

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, November 6, 2018 7:15:40 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Accepted: Case 21 sync (Conference Call)  
Attachments: meeting.ics (1.36 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, April 30, 2018 5:05:23 PM  
To: Livingood, Jason <Jason\_Livingood@comcast.com>; Hook, Lisa <lisa.hook@team.neustar>; Matt.Carothers@cox.com  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: DARPA D60 event

Many thanks Angele!

Jason, Matt and Lisa. Please see inline message from Angelos. If you want to attend the (invitation only) DARPA D60 event (<https://www.darpa.mil/about-us/d60-about>), please go ahead and register.

This is a way for Angelos (and DARPA) to show you their appreciation for helping GT out in our research, I suspect. :)

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Monday, April 30, 2018 11:49 AM  
To: Antonakakis, Manos  
Subject: Comcast, Cox, and Neustar

I don't have their contact info, so please pass along my invitation to the DARPA 60th anniversary celebration in early September. They should register ASAP at:

<https://www.darpa.mil/about-us/d60-about>

If they need to list a sponsor, use me.  
-Angelos

**From:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Sent on:** Monday, March 18, 2019 10:04:10 PM  
**To:** Gottdiener, Charlie<Charles.Gottdiener@team.neustar>; angelos@gatech.edu; Achanta, Venkat<Venkat.Achanta@team.neustar>; Mike Mullen<mike.mullen@mgmconsulting.net>; Antonakakis, Manos<manos@gatech.edu>; Tom Donahue<[REDACTED]>  
**Subject:** Confirmed: GA Tech/Neustar Briefing/Presentation/Discussion  
**Attachments:** meeting.ics (2.64 KB)

When: Wednesday, March 27, 2019 2:15 PM-6:00 PM. (UTC-05:00) Eastern Time (US & Canada)  
Where: Klaus Advanced Computing Building, Georgia Institute of Technology, 266 Ferst Drive,

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Update is adding Dr. Tom Donahue  
All other details remain the same:

\*\*\*\*\*

Briefing by Dr. Manos Antonakakis and Dr. Angelos Keromytis, Directors of Astrolavos Lab, GA Tech  
<https://astrolavos.gatech.edu/>

Threat analysis, research, case studies  
Use of Neustar Data  
Use of DNS data in threat hunting and attribution  
Discussion  
Tour of Astrolavos Lab

**From:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Sent on:** Monday, February 18, 2019 12:39:37 AM  
**To:** Gottdiener, Charlie<Charles.Gottdiener@team.neustar>; Mike Mullen<mike.mullen@mgmconsulting.net>; Achanta, Venkat<Venkat.Achanta@team.neustar>; Antonakakis, Manos<manos@gatech.edu>; angelos@gatech.edu  
**Subject:** Confirmed: GA Tech/Neustar Briefing/Presentation/Discussion  
**Attachments:** meeting.ics (2.4 KB)

When: Wednesday, March 27, 2019 2:15 PM-6:00 PM. (UTC-05:00) Eastern Time (US & Canada)  
Where: Klaus Advanced Computing Building, Georgia Institute of Technology, 266 Ferst Drive, Atlanta, GA 30332

\*~\*~\*~\*~\*~\*~\*~\*~\*~\*

Briefing by Dr Manos Antonakakis and Dr. Angelos Keromytis, Directors of Astrolavos Lab, GA Tech

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Monday, April 30, 2018 3:49:12 PM  
**To:** Manos Antonakakis<manos@gatech.edu>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Monday, April 30, 2018 3:49:12 PM  
**Subject:** Comcast, Cox, and Lisa (Neustar)  
**Attachments:** Nameless.txt (260 Bytes)

I don't have their contact info, so please pass along my invitation to the DARPA 60th anniversary celebration in early September. They should register ASAP at:

<https://www.darpa.mil/about-us/d60-about>

If they need to list a sponsor, use me.

-Angelos

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Thursday, December 20, 2018 7:23:32 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Subject: Automatic reply: Case 30 (HSBC) and wannacry

My tour at DARPA ended on 20 December, 2018. For matters relating to programs I previously managed, please contact the following SETAs:

- AA, WASH: Susan Kloss (susan.kloss.ctr@darpa.mil<<mailto:susan.kloss.ctr@darpa.mil>>)
- ACD, ADAMS: Dan Adams (daniel.adams.ctr@darpa.mil<<mailto:daniel.adams.ctr@darpa.mil>>)
- EA: Chris Schneck (christopher.schneck@darpa.mil<<mailto:christopher.schneck@darpa.mil>>)
- HACCS: Alison Kline (alison.kline.ctr@darpa.mil<<mailto:alison.kline.ctr@darpa.mil>>)
- TC, LADS: Mary Denz (mary.denz.ctr@darpa.mil<<mailto:mary.denz.ctr@darpa.mil>>)

For non-DARPA matters, you may contact me at [angelos@gatech.edu](mailto:angelos@gatech.edu) <<mailto:angelos@gatech.edu>>

**From:** L Jean Camp [REDACTED]  
**Sent on:** Monday, June 28, 2021 9:25:49 PM  
**To:** Peter Swire<info@futureofprivacy.org>; Annie I. Anton<aa16@gatech.edu>  
**Subject:** arrrgh! A day late!

I understood the Chair position for Cybersecurity and Privacy to be open to submissions until June 30.

I went to complete my application today, the 28th, after proof reading and refining my documents.

However, it did not allow me to submit the documents.

I of course realize that you have many highly competent applicants, but would like the opportunity to apply.

Thank you for your time, trouble, and consideration.

Yesterday night I almost submitted but wanted to read over every document one more time.

I realize you may have other amazing applicants, in fact, given the opportunity I expect you do.

However, I would appreciate it if you would consider my slightly delayed application.

Regardless of the answer, I hope you know I do now and will always hold in highest esteem and affection.

And I hope that I have not burned any bridges with this request. I spent too much time fretting about not submitting typos.

Thank you so very much.

--

Prof. L. Jean Camp  
<http://www.ljean.com>

Research Gate:[https://www.researchgate.net/profile/L\\_Camp](https://www.researchgate.net/profile/L_Camp)  
DBLP:<http://dblp.uni-trier.de/pers/hd/c/Camp:L=Jean>  
SSRN:[https://papers.ssrn.com/sol3/cf\\_dev/AbsByAuth.cfm?per\\_id=262477](https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=262477)  
Scholar:<https://scholar.google.com/citations?user=wJPGa2IAAAAJ>

Make a Difference  
<http://www.ieeeusa.org/policy/govfel/conqfel.asp>

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Thursday, January 4, 2018 8:49:31 PM  
To: [REDACTED]; manos@gatech.edu  
CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: also

<https://carnegieendowment.org/2018/01/04/iran-s-cyber-threat-espionage-sabotage-and-revenges-pub-75134>



**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Thursday, November 2, 2017 5:49:01 PM  
**To:** manos@gatech.edu; [REDACTED]  
**CC:** Patel, Tejas (contr-i2o)<tejas.patel.ctr@darpa.mil>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Thursday, November 2, 2017 5:49:00 PM  
**Subject:** also of interest  
**Attachments:** Nameless.txt (113 Bytes)

<https://www.apnews.com/3bca5267d4544508bb523fa0db462cb2>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, June 28, 2018 3:06:49 AM  
To: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Declined: Placeholder, Meeting and Dinner with Lisa Hook and Manos Antonokakis  
Attachments: meeting.ics (1.4 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>

Sent on: Monday, August 7, 2017 3:14:21 PM

To: Mike F [REDACTED]; Patel, Tejas H CTR (US) <tejas.patel.ctr@darpa.mil>; Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>

Subject: Data from Daniel

Gents, on the GT server you all have access, under [REDACTED], you can find the data that Daniel gave to us.

Thanks,

—

Manos Antonakakis | manos@gatech.edu

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, November 3, 2018 2:44:27 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Smith, Jonathan <Jonathan.smith@darpa.mil>  
Subject: A few thoughts

Gentlemen,

Given the success we had so far on modeling the first four TTPs, we can now see a clear path on how we can fine tune these TTPs in the Pythia oracle. Those TTPs clearly work for groups like EG, out of RU, IR and SA. Maybe more, but these are the ones we have hard data for.

In the last site review meeting we set as goals two things: 1) transition of the Oracle (ActiveDNS mode) to TA2 performers and potential technology transition partners, and 2) the implementation of the remaining 8 TTPs.

The first of these two goals has been achieved. Kudu, Jim, and the AFOSI folks have access to Pythia. The next thing on my queue is to implement some of the remaining TTPs.

After the 4 new case studies in the last month alone (2 from the FBI at Huntsville, DHS and Cyber-command), while people are interested in our attribution results, they are (cynically) using them as a remediation/incident response signal. To that end, I thought it would be best for me to spend a few months building a new classification system that could differentiate between "different modes" that the domains are in. That is, once a domain is identified being part of an APT group, I would like to be able to have (at the very least) a Social Engineering vs. C&C vs. Both set of scores assigned to it.

Have done something similar in the past for malware domains (Kopis paper: <http://tinyurl.com/usenixsec11-kopis>). The concept could remain somewhat similar, but the code base will have to be rewritten from scratch due to the size and type of our data. The benefit for the program will be huge, IMHO. The reason I think it will be huge is because we have seen to date that there is one thing we can always rely upon: The target networks. If we build such a classification system, I think, given a small set of interesting targets we will very easily find the rest (these will be the networks that systematically are looking up these interesting domains).

Most importantly, this will be a major and fundamental breakthrough on the way we approach the IoC discovery problem. To date, we are waiting for a report to come out or simply declassified IoCs from the high side. Neither of the two can be automated. Instead, if we focus on the target networks (domestic or foreign), we could achieve the systematic retrieval of reliable pools of new IoCs extracted daily from the raw datasets. These new (unknown) IoCs will allow us to start enriching clusters of interesting activity in Pythia, which could reflect bran new operations from unknown actors coming into play.

Obviously, the implementation of such a classification system will only yield more actionable intelligence to our technology transition partners, which can only be good for the program.

So, what do you think is the best thing to do for the program? Continue the development of the remaining TTPs or try to build a tailored classification system in Kopis' spirit?

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Sunday, September 9, 2018 3:22:18 AM  
To: Smith, Jonathan <jonathan.smith@darpa.mil>; Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>  
Subject: Current mode  
Attachments: current\_mode.png (15.65 KB)

Gents, expect something truly amazing soon. You might not need me anymore for EA.

You will just need data.

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Angelos Keromytis <akeromytis@me.com>  
Sent on: Monday, April 30, 2018 12:11:08 AM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: Btw

How did you configure your iPhone to send as manos@gatech.edu?

From: Angelos D. Keromytis <angelos@keromytis.com>  
Sent on: Tuesday, February 27, 2018 12:59:45 PM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: btw

I won't have PGP access for the next 2 weeks.

From: Angelos D. Keromytis <angelos@keromytis.com>  
Sent on: Saturday, April 28, 2018 6:35:00 PM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: btw...

How do I ask for angelos@gatech.edu (assuming it's not taken)?



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Friday, March 2, 2018 7:29:56 PM

To: manos@gatech.edu

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Friday, March 2, 2018 7:29:55 PM

Subject: Background material

Attachments: Nameless.txt (75 Bytes)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, November 27, 2018 5:50:03 PM

To: Antonakakis, Manos <manos@gatech.edu>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, November 27, 2018 5:49:58 PM

Subject: Apple Watch

Attachments: Nameless.txt (130 Bytes)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, November 2, 2017 4:13:51 PM

To: manos@gatech.edu

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, November 2, 2017 4:13:51 PM

Subject: also on case 2

Attachments: Nameless.txt (96 Bytes)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, December 18, 2017 8:51:01 PM  
To: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Patel, Tejas H CTR (US) <tejas.patel.ctr@darpa.mil>  
Subject: ActiveDNS API ready

Gents, Panos managed to put all (~3 years) the ActiveDNS data in memory using ~400GB. This allows users to get results back in O(1) complexity. It takes the cluster 3 hours every day to refresh the API tables to expose new data. So you need a box with 1TB of RAM for the API if you do not want to endure any downtime. Such a box costs ~\$50K and about about to order a second, in which I will place all the other proprietary DNS data we have. :)

We plan to expose the ActiveDNS API to the EA teams soon as a REST API that will be based on network IP ACL. This will eliminate the need to hit our cluster for most of the operations they need to conduct via DNS.

This is a heads up.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, November 29, 2017 4:48:20 PM  
To: Patel, Tejas H CTR (US) <tejas.patel.ctr@darpa.mil>; Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>  
CC: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>  
Subject: Active DNS Setup Demo

Gents, I just sent you a 2 minutes clip of the ActiveDNS setup demo. If I cannot use my own hardware, it would be great to have this clip on the same computer as the slide deck. We will also put it on the website for the performers to view after the presentation.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, September 26, 2017 10:01:24 PM  
To: Angelos D. Keromytis [REDACTED]  
Subject: ack - gt

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, July 25, 2018 5:35:04 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Accepted: Sync with Brandon Johns @ GT  
Attachments: meeting.ics (1.4 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, November 13, 2017 4:09:16 PM  
To: Paul Vixie <vixie@fsi.io>  
Subject: Accepted: manos and paul  
Attachments: meeting.ics (1.38 KB)



From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, September 27, 2018 1:53:44 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Accepted: HOLD for USCC CNMF Case Study presentation  
Attachments: meeting.ics (1.41 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, September 20, 2018 7:20:53 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Accepted: GT EA Site visit  
Attachments: meeting.ics (1.4 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, November 6, 2018 1:01:13 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Accepted: Follow up with DHS (Conference Call)  
Attachments: meeting.ics (1.37 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, November 6, 2018 1:49:52 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Accepted: FBI Huntsville Follow up (Conference Call)  
Attachments: meeting.ics (1.38 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, February 18, 2019 2:17:23 AM  
To: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Accepted: Dinner, Kyma Greek Restaurant  
Attachments: meeting.ics (1.39 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, February 18, 2019 2:17:24 AM  
To: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Accepted: Confirmed: GA Tech/Neustar Briefing/Presentation/Discussion  
Attachments: meeting.ics (1.49 KB)

**From:** Aldenberg, William B. (NH) (FBI)<wbaldenberg@fbi.gov>  
**Sent on:** Friday, February 12, 2021 12:15:07 AM  
**To:** Keromytis, Angelos D<angelos@gatech.edu>; Aldenberg, William (JMD)<William.Aldenberg@usdoj.gov>; DeFilippis, Andrew (JMD)<Andrew.DeFilippis2@usdoj.gov>  
**Subject:** [EXTERNAL EMAIL] - Re: Interview with Angelos Keromytis

Angelos

Thank you for the information and taking the time to speak with us today.

Bill

-

On Feb 11, 2021 3:41 PM, "Keromytis, Angelos D" <angelos@gatech.edu> wrote:  
In case these help, since you asked related questions:

- First time I met Dave Dagon (that I have a record for) is on November 2015, at DARPA. Probably some emails prior/leading up to that, as I was doing the planning for the EA program (what datasets exist, what is technical possible/plausible, etc.)
- First time I met Rodney Joffe (again, that I have a record for) is on April 2016; intent was to find out about what data Neustar has/had that might be helpful to the program. Had a couple of follow-ons (not sure if meetings or phone calls) in June.
- First discussion with FBI (NCIJTF) about EA around February 2016. (We had prior interactions, going back to March 2015, about a different program.)
- First discussion with NSD/DoJ about EA ~December 2015 (although maybe also October 2015).

(These are from my calendar, so I have limited context.)

-Angelos

> On Feb 10, 2021, at 8:15 PM, Aldenberg, William (JMD) <William.Aldenberg@usdoj.gov> wrote:

>

> Angelos

>

> The meeting info is below.

>

> Thank you

>

> Bill

>

> Sent from my iPhone

>

> Begin forwarded message:

>

>> From: "Arsenault, Kori (USACT)" <karsenault@usa.doj.gov>

>> Date: February 10, 2021 at 6:30:47 PM EST

>> To: "Aldenberg, William (JMD)" <waldenberg@jmd.usdoj.gov>

>> Subject: Interview with Angelos Keromytis

>>

**From:** Aldenberg, William B. (NH) (FBI)<wbaldenberg@fbi.gov>  
**Sent on:** Friday, February 12, 2021 12:15:07 AM  
**To:** Keromytis, Angelos D<angelos@gatech.edu>; Aldenberg, William (JMD)<William.Aldenberg@usdoj.gov>; DeFilippis, Andrew (JMD)<Andrew.DeFilippis2@usdoj.gov>  
**Subject:** [EXTERNAL EMAIL] - Re: Interview with Angelos Keromytis

Angelos

Thank you for the information and taking the time to speak with us today.

Bill

-

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-Angelos

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> Angelos

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> The meeting info is below.

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> Thank you

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> Bill

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> Sent from my iPhone

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> Begin forwarded message:

>

>> From: "Arsenault, Kori (USACT)" <karsenault@usa.doj.gov>

>> Date: February 10, 2021 at 6:30:47 PM EST

>> To: "Aldenberg, William (JMD)" <waldenberg@jmd.usdoj.gov>

>> Subject: Interview with Angelos Keromytis

>>



>>  
>> -- Do not delete or change any of the following text. --  
>>  
>> When it's time, join your Webex meeting here.  
>>  
>>  
>> Join meeting <<https://usao.webex.com/usao/j.php?MTID=m55b5d90407dcc738475e7b0f93cb1a7>>  
>>  
>> More ways to join:  
>>  
>> Join from the meeting link  
>> <https://usao.webex.com/usao/j.php?MTID=m55b5d90407dcc738475e7b0f93cb1a7>  
>>  
>>  
>> Join by meeting number  
>> Meeting number (access code): 199 859 3736  
>> Meeting password: UqVshRcp362  
>>  
>> Tap to join from a mobile device (attendees only)  
>> +1-929-251-9612,,1998593736##<tel:%2B1-929-251-9612,,\*01\*1998593736%23%23\*01\*> USA Toll 2  
>> +1-415-527-5035,,1998593736##<tel:%2B1-415-527-5035,,\*01\*1998593736%23%23\*01\*> US Toll  
>>  
>> Join by phone  
>> +1-929-251-9612 USA Toll 2  
>> +1-415-527-5035 US Toll  
>> Global call-in numbers <  
<https://usao.webex.com/usao/globalcallin.php?MTID=m21b20fbab4af75f730b728900d31a653>>  
>>  
>> Join from a video system or application  
>> Dial 1998593736@usao.webex.com<sip:1998593736@usao.webex.com>  
>> You can also dial 207.182.190.20 and enter your meeting number.  
>>  
>>  
>> Join using Microsoft Lync or Microsoft Skype for Business  
>> Dial 1998593736.usao@lync.webex.com<sip:1998593736.usao@lync.webex.com>  
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>>  
>> If you are a host, click here <  
<https://usao.webex.com/usao/j.php?MTID=mf804e11bfbb9d451c23297eca1e87ab2>> to view host information.  
>>  
>>  
>> Need help? Go to <https://help.webex.com>  
>>  
>>  
>>

**From:** Mitchell, Michael F<fvirgil6@gatech.edu> on behalf of Mitchell, Michael F  
**Sent on:** Thursday, February 11, 2021 10:05:24 PM  
**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Data subscription extension

Good Afternoon Rodney,

I spoke with Manos earlier today regarding the short term extension of our project and the need to extend our data subscription. Would you be able to provide me with a quote for the additional period you discussed? I would greatly appreciate it!

Thanks,

***Michael Mitchell***

Research Operations Program Manager

**GEORGIA Institute**

**of TECHNOLOGY**

School of Electrical and Computer Engineering

777 Atlantic Drive NW

Atlanta, GA 30332-0765

Office: 404-385-8122

Mobile: 770-655-8039

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, May 4, 2021 8:02:33 PM  
**To:** Beyah, Raheem A<rbeyah@coe.gatech.edu>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** FW: [ece\_faculty] 2021-22 Promotion and Tenure cases  
**Attachments:** ManosAntonakakis\_cv\_040221.pdf (161.55 KB)

Hey Raheem, this is fairly up-to-date, and it does reflect my latest teaching activities and students I have graduated. Unless there is a different format (with different kind of information fields in it) you need my information in, I would consider this as my more up-to-date CV.

Thanks, Manos

---

**From:** Antonakakis, Manos <manos@gatech.edu>  
**Date:** Friday, April 2, 2021 at 2:23 PM  
**To:** Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>, Blough, Douglas M <doug.blough@ece.gatech.edu>  
**Cc:** Beyah, Raheem A <rbeyah@coe.gatech.edu>  
**Subject:** Re: [ece\_faculty] 2021-22 Promotion and Tenure cases

Thanks for the feedback, guys. Attached please find a semi-up-to-date CV.

The only reason I asked is because people (within and outside GT) after my tenure case told to not wait for long until I go up for full. If my memory serves me right, one of these people was Raheem as well.

In any case, let me know if I should wait or not. Happy to bring you offers (for full professor position with endowed Chair) from other places if that helps the process out.

Thanks, Manos

---

**From:** Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>  
**Date:** Friday, April 2, 2021 at 12:49 PM  
**To:** Blough, Douglas M <doug.blough@ece.gatech.edu>, Antonakakis, Manos <manos@gatech.edu>  
**Subject:** Re: [ece\_faculty] 2021-22 Promotion and Tenure cases

Yup. I agree that Year 3 is pretty much a no-go. Year 4 is rare but not unheard of. Do you have a recent version of your cv so we can take a quick look and see if there are potential soft spots that you should tend to for this to be feasible?

/ Magnus

---

Magnus Egerstedt, Ph.D.  
Steve W. Chaddick School Chair and Professor  
School of Electrical and Computer Engineering  
Georgia Institute of Technology

Georgia Tech ECE: Dreaming, Designing, and Getting it Done!

On 4/2/21, 10:57 AM, "Blough, Douglas M" <doug.blough@ece.gatech.edu> wrote:

Hi Manos,

The standard time for promotion is after 6 years in rank, just like from Assistant to Associate. Since you'd be in your 3rd year as Associate next year, it would be considered 3 years early. The College of Engineering has told us very clearly to not bring any 3-year-early full promotion cases forward. Let's revisit next year.

Magnus: Any additional thoughts?

Doug

On 4/2/21 10:32 AM, Antonakakis, Manos wrote:

> Hey Doug and Magnus,  
>  
> Should I apply for full or should I wait? I am in no real rush, just  
> asking because I honestly do not know when the time is right to go up  
> for full.

>  
> Thanks, Manos  
>  
> \*From: \*ece\_faculty-request@lists.gatech.edu  
> <ece\_faculty-request@lists.gatech.edu> on behalf of Doug Blough  
> <doug.blough@ece.gatech.edu>  
> \*Date: \*Monday, March 29, 2021 at 1:48 PM  
> \*To: \*ece\_faculty@ece.gatech.edu <ece\_faculty@ece.gatech.edu>  
> \*Cc: \*Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>  
> \*Subject: \*[ece\_faculty] 2021-22 Promotion and Tenure cases

> Dear Colleagues,

>  
> We are preparing for this coming year's RPT cycle and the  
> deadlines for submitting paperwork have been distributed by  
> CoE.

>  
> To comply with Institute deadlines, we need to know by April 16  
> if you are planning to apply for tenure and/or promotion in the  
> coming cycle. First drafts of tenure/promotion packages will be  
> due in early May and final packages will be due around the third  
> week of May.

>  
> Faculty members with questions about whether or not to pursue  
> promotion and/or tenure should consult with both Magnus Egerstedt  
> and me.

>  
> Please notify Magnus and me of your intention to apply by April 16.  
> This is a hard deadline.

>  
> Thank you,

>  
> Doug Blough  
> ECE Associate Chair for Faculty Development

>

**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Friday, February 19, 2021 12:35:03 AM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
**Attachments:** An Invitation from Georgia Institute of Technology (Payments via ACHEFT).msg (132 KB)

Manos,

Could you please confirm that this is legitimate?

Thanks  
Rodney

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, February 19, 2021 12:52:45 AM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>; Rodney Joffe<rodney.joffe@team.neustar>  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
**Attachments:** An Invitation from Georgia Institute of Technology (Payments via ACHEFT).msg (133.5 KB)

Michael, is this legitimate?

Thanks, Manos

**From:** Rodney Joffe <rodney.joffe@team.neustar>

**Sent:** Thursday, February 18, 2021 19:35

**To:** Antonakakis, Manos

**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

Manos,

Could you please confirm that this is legitimate?

Thanks

Rodney

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Monday, October 18, 2021 12:52:43 PM  
**To:** Fuller, Christian<christian.fuller@legal.gatech.edu>  
**Subject:** Fwd: Open Records Act Request #102110

Christian, do you have time to discuss this?

Thanks, Manos

**From:** Georgia Tech Open Records Office <openrecords@gatech.edu>  
**Sent:** Monday, October 18, 2021 08:45  
**To:** Antonakakis, Manos  
**Cc:** Georgia Tech Open Records Office  
**Subject:** Open Records Act Request #102110  
Good morning Dr. Antonakakis,

My office received the below Open Records Act request last week. Would you be able to assist with the items listed in Item #3 of the request? If so, please provide an estimate of the amount of time it will take to search for, retrieve and potentially redact the information, as well as your hourly rate in accordance with your Georgia Tech salary. This information will be used to provide the requestor with a cost estimate for production.

Please let me know if you have any questions. Thanks so much.

*Jamila Hudson-Allen*  
*Open Records Officer*  
*Office of Institute Communications*  
*Open Records Division*  
**GeorgiaInstitute ofTechnology**  
[openrecords@gatech.edu](mailto:openrecords@gatech.edu)



**From:** Krawiec, Margaret E <Margaret.Krawiec@skadden.com>  
**Sent:** Wednesday, October 13, 2021 11:51 AM  
**To:** Georgia Tech Open Records Office <openrecords@gatech.edu>  
**Cc:** Amaechi, Pamela I <Pamela.Amaechi@skadden.com>; McIntosh, Michael A <Michael.McIntosh@skadden.com>; Murday, Rebecca M <Rebecca.Murday@skadden.com>  
**Subject:** AO Alfa Bank v. John Doe et al // Open Records Request  
To Whom it May Concern:

I hope this email finds you well. My name is Margaret Krawiec and I represent AO Alfa Bank ("Alfa Bank") in a lawsuit pending in Florida state court, *AO Alfa-Bank v. John Doe et al.*, Case No. 50-2020-CA-006304-XXX MB (Fla. 15th Cir., filed June 11, 2020). I write to make a formal open records request from the University for the below-listed records. The time period for these requests is January 2016 to the present:

1. Cybersecurity research contracts awarded to the Georgia Institute of Technology ("Georgia Tech") by the U.S. Department of Defense in November 2016 ("DOD Contracts").
2. Any sub- contracts that Georgia Tech entered into with third parties in reference to the DOD Contracts including any confidentiality, terms of service, user agreements, or agreements related to the Domain Name System ("DNS") data.
3. Communications, documents, and computer data from Emmanouil "Manos" Antonakakis, David Dagon,

and other employees or contractors of Georgia Tech regarding:

1. The cyber security research contract awarded to the Georgia Institute of Technology by the U.S. Department of Defense in November 2016 and led by Mr. Antonakakis. This includes, but is not limited to, materials discussing Mr. Antonakakis's and Mr. Dagon's access to domain name system ("DNS") databases under this research contract;
  2. Draft or executed contracts regarding researchers' access to or use of DNS data, including but not limited to terms of service, confidentiality, and user agreements;
  3. Passive DNS collection systems, including but not limited to the DNS collection system referred to as "Thales";
  4. Allegations of secret communications between the Trump Organization and Alfa Bank. "Allegations of secret communications" is defined as the since-debunked theory that there was a covert or secret channel of communication between the Trump Organization and Alfa Bank prior to and following the 2016 U.S. presidential election;
  5. the Trump Organization server (IP address 66.216.133.29) or domains ("trump-email.com"; "contact-client.com"; hostnames "email1.trump-email.com" or "trump1.contact-client.com"; and any iterations involving alternate capitalization or concatenated versions thereof);
  6. the Alfa Bank server (IP addresses 217.12.96.15 and 217.12.97.15) or domains ("moscow.alfaintra.net," and any iterations involving alternate capitalization or concatenated versions thereof);
  7. AO Alfa-Bank, also known as "Alfa Bank";
  8. any analysis of computer data related to either the Trump Organization or Alfa Bank;
  9. analysis of computer data relating to the following entities: Cendyn, Listrak, Serenata, Denihan Hospitality Group, Spectrum Health, Heartland Payment Systems, Orbit Telecommunications, and Domo;
  10. allegations of Russian interference in U.S. elections;
  11. communications, documents, and computer data exchanged with individuals using the pseudonyms "Tea Leaves" or "Max";
  12. communications, documents, and computer data exchanged with April Lorenzen or Rodney Joffe;
  13. communications, documents, and computer data exchanged with Neustar, Inc., ZETAlytics LLC, or Dissect Cyber Inc.;
  14. communications, documents, and computer data exchanged with Packet Forensics LLC, VOSTROM Holdings, Inc., Centergate Research Group, LLC, or any other entities affiliated with Rodney Joffe;
  15. communications, documents, and computer data exchanged with Perkins Coie LLP, Michael Sussmann, Marc Elias, or any other affiliates of Perkins Coie;
  16. communications, documents, and computer data exchanged with Fusion GPS, Peter Fritsch, Glenn Simpson, Jacob "Jake" Berkowitz, Laura Seago or any other affiliates of Fusion GPS;
  17. communications, documents, and computer data exchanged with Daniel Jones, The Democracy Integrity Project, Advance Democracy Inc., Penn Quarter Group, Michael "Mikey" Dickerson, Matthew "Matt" Weaver, Layer Aleph or any other entity or individual affiliated with Daniel Jones; and
  18. communications, documents, and computer data exchanged with the Clinton Campaign or the Democratic National Committee.
4. Communications, documents, and computer data that were produced in response to subpoenas, discovery requests, informal document requests, or government inquiries, including but not limited to Special Counsel John Durham's investigation and the associated grand jury in *United States v. Sussman*, No. 1:21-cr-00582-CRC-1 (D.D.C. 2021) and that relate to (i) allegations of secret communications between the Trump Organization and Alfa Bank; (ii) the Trump Organization server or domains; (iii) Alfa Bank; (iv) analysis of computer data related to either the Trump Organization or Alfa Bank; (v) allegations of Russian interference in U.S. elections; or (vi) the John Doe Defendants or the Anonymous Researchers.

We would be happy to discuss the scope of these requests further over a call. Please let us know if you have any questions or would like to discuss.

Thanks,  
Margaret

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This email (and any attachments thereto) is intended only for use by the addressee(s) named herein and may contain legally privileged and/or confidential information. If you are not the intended recipient of this email, you are hereby notified that any dissemination, distribution or copying of this email (and any attachments thereto) is strictly prohibited. If you receive this email in error please immediately notify me at (212) 735-3000 and permanently delete the original email (and any copy of any email) and any printout thereof.

Further information about the firm, a list of the Partners and their professional qualifications will be provided upon request.

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**Sent on:** Monday, October 18, 2021 12:52:43 PM  
**To:** Fuller, Christian<christian.fuller@legal.gatech.edu>  
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Christian, do you have time to discuss this?

Thanks, Manos

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[openrecords@gatech.edu](mailto:openrecords@gatech.edu)



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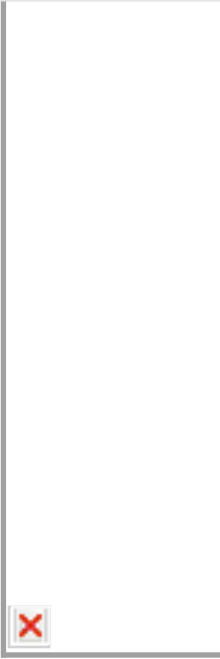
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  17. communications, documents, and computer data exchanged with Daniel Jones, The Democracy Integrity Project, Advance Democracy Inc., Penn Quarter Group, Michael "Mikey" Dickerson, Matthew "Matt" Weaver, Layer Aleph or any other entity or individual affiliated with Daniel Jones; and
  18. communications, documents, and computer data exchanged with the Clinton Campaign or the Democratic National Committee.
4. Communications, documents, and computer data that were produced in response to subpoenas, discovery requests, informal document requests, or government inquiries, including but not limited to Special Counsel John Durham's investigation and the associated grand jury in *United States v. Sussman*, No. 1:21-cr-00582-CRC-1 (D.D.C. 2021) and that relate to (i) allegations of secret communications between the Trump Organization and Alfa Bank; (ii) the Trump Organization server or domains; (iii) Alfa Bank; (iv) analysis of computer data related to either the Trump Organization or Alfa Bank; (v) allegations of Russian interference in U.S. elections; or (vi) the John Doe Defendants or the Anonymous Researchers.

We would be happy to discuss the scope of these requests further over a call. Please let us know if you have any questions or would like to discuss.

Thanks,  
Margaret

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Further information about the firm, a list of the Partners and their professional qualifications will be provided upon request.

=====

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Monday, October 18, 2021 12:52:43 PM  
**To:** Fuller, Christian<christian.fuller@legal.gatech.edu>  
**Subject:** Fwd: Open Records Act Request #102110

Christian, do you have time to discuss this?

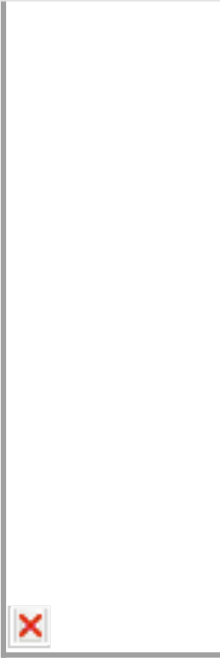
Thanks, Manos

**From:** Georgia Tech Open Records Office <openrecords@gatech.edu>  
**Sent:** Monday, October 18, 2021 08:45  
**To:** Antonakakis, Manos  
**Cc:** Georgia Tech Open Records Office  
**Subject:** Open Records Act Request #102110  
Good morning Dr. Antonakakis,

My office received the below Open Records Act request last week. Would you be able to assist with the items listed in Item #3 of the request? If so, please provide an estimate of the amount of time it will take to search for, retrieve and potentially redact the information, as well as your hourly rate in accordance with your Georgia Tech salary. This information will be used to provide the requestor with a cost estimate for production.

Please let me know if you have any questions. Thanks so much.

*Jamila Hudson-Allen*  
*Open Records Officer*  
*Office of Institute Communications*  
*Open Records Division*  
**Georgia**Institute of**Technology**  
[openrecords@gatech.edu](mailto:openrecords@gatech.edu)



**From:** Krawiec, Margaret E <Margaret.Krawiec@skadden.com>  
**Sent:** Wednesday, October 13, 2021 11:51 AM  
**To:** Georgia Tech Open Records Office <openrecords@gatech.edu>  
**Cc:** Amaechi, Pamela I <Pamela.Amaechi@skadden.com>; McIntosh, Michael A <Michael.McIntosh@skadden.com>; Murday, Rebecca M <Rebecca.Murday@skadden.com>  
**Subject:** AO Alfa Bank v. John Doe et al // Open Records Request  
To Whom it May Concern:

I hope this email finds you well. My name is Margaret Krawiec and I represent AO Alfa Bank ("Alfa Bank") in a lawsuit pending in Florida state court, *AO Alfa-Bank v. John Doe et al.*, Case No. 50-2020-CA-006304-XXX MB (Fla. 15th Cir., filed June 11, 2020). I write to make a formal open records request from the University for the below-listed records. The time period for these requests is January 2016 to the present:

1. Cybersecurity research contracts awarded to the Georgia Institute of Technology ("Georgia Tech") by the U.S. Department of Defense in November 2016 ("DOD Contracts").
2. Any sub- contracts that Georgia Tech entered into with third parties in reference to the DOD Contracts including any confidentiality, terms of service, user agreements, or agreements related to the Domain Name System ("DNS") data.
3. Communications, documents, and computer data from Emmanouil "Manos" Antonakakis, David Dagon,



and other employees or contractors of Georgia Tech regarding:

1. The cyber security research contract awarded to the Georgia Institute of Technology by the U.S. Department of Defense in November 2016 and led by Mr. Antonakakis. This includes, but is not limited to, materials discussing Mr. Antonakakis's and Mr. Dagon's access to domain name system ("DNS") databases under this research contract;
  2. Draft or executed contracts regarding researchers' access to or use of DNS data, including but not limited to terms of service, confidentiality, and user agreements;
  3. Passive DNS collection systems, including but not limited to the DNS collection system referred to as "Thales";
  4. Allegations of secret communications between the Trump Organization and Alfa Bank. "Allegations of secret communications" is defined as the since-debunked theory that there was a covert or secret channel of communication between the Trump Organization and Alfa Bank prior to and following the 2016 U.S. presidential election;
  5. the Trump Organization server (IP address 66.216.133.29) or domains ("trump-email.com"; "contact-client.com"; hostnames "email1.trump-email.com" or "trump1.contact-client.com"; and any iterations involving alternate capitalization or concatenated versions thereof);
  6. the Alfa Bank server (IP addresses 217.12.96.15 and 217.12.97.15) or domains ("moscow.alfaintra.net," and any iterations involving alternate capitalization or concatenated versions thereof);
  7. AO Alfa-Bank, also known as "Alfa Bank";
  8. any analysis of computer data related to either the Trump Organization or Alfa Bank;
  9. analysis of computer data relating to the following entities: Cendyn, Listrak, Serenata, Denihan Hospitality Group, Spectrum Health, Heartland Payment Systems, Orbit Telecommunications, and Domo;
  10. allegations of Russian interference in U.S. elections;
  11. communications, documents, and computer data exchanged with individuals using the pseudonyms "Tea Leaves" or "Max";
  12. communications, documents, and computer data exchanged with April Lorenzen or Rodney Joffe;
  13. communications, documents, and computer data exchanged with Neustar, Inc., ZETAlytics LLC, or Dissect Cyber Inc.;
  14. communications, documents, and computer data exchanged with Packet Forensics LLC, VOSTROM Holdings, Inc., Centergate Research Group, LLC, or any other entities affiliated with Rodney Joffe;
  15. communications, documents, and computer data exchanged with Perkins Coie LLP, Michael Sussmann, Marc Elias, or any other affiliates of Perkins Coie;
  16. communications, documents, and computer data exchanged with Fusion GPS, Peter Fritsch, Glenn Simpson, Jacob "Jake" Berkowitz, Laura Seago or any other affiliates of Fusion GPS;
  17. communications, documents, and computer data exchanged with Daniel Jones, The Democracy Integrity Project, Advance Democracy Inc., Penn Quarter Group, Michael "Mikey" Dickerson, Matthew "Matt" Weaver, Layer Aleph or any other entity or individual affiliated with Daniel Jones; and
  18. communications, documents, and computer data exchanged with the Clinton Campaign or the Democratic National Committee.
4. Communications, documents, and computer data that were produced in response to subpoenas, discovery requests, informal document requests, or government inquiries, including but not limited to Special Counsel John Durham's investigation and the associated grand jury in *United States v. Sussman*, No. 1:21-cr-00582-CRC-1 (D.D.C. 2021) and that relate to (i) allegations of secret communications between the Trump Organization and Alfa Bank; (ii) the Trump Organization server or domains; (iii) Alfa Bank; (iv) analysis of computer data related to either the Trump Organization or Alfa Bank; (v) allegations of Russian interference in U.S. elections; or (vi) the John Doe Defendants or the Anonymous Researchers.

We would be happy to discuss the scope of these requests further over a call. Please let us know if you have any questions or would like to discuss.

Thanks,  
Margaret

---

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Further information about the firm, a list of the Partners and their professional qualifications will be provided upon request.

=====

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Sunday, November 14, 2021 5:17:53 PM  
**To:** McLaughlin, Steven W<swm@gatech.edu>; Abdallah, Chaouki T<ctabdallah@gatech.edu>  
**CC:** Keromytis, Angelos D<angelos@gatech.edu>  
**Subject:** Heads up  
**Attachments:** 5 False Narratives About The Spygate Indictment Of Michael Sussmann.pdf (534.78 KB)

Gentlemen,

The reporter inline wrote the attached article a couple of months ago and made the claim that my actions were equivalent to criminal conduct. We ignored the first article, as we were not consulted. This time around she asked us for a comment because will be writing a second stronger article possible replaying the same narrative.

Because I (or we?) might file a suit against her for knowingly writing false statements about me (and the work I did at GT), we had to respond with the way you see inline.

At some point we need to stop being quite about my role in all these. Being accused of criminal conduct is where I draw the line in this situation.

Manos

---

**From:** "Antonakakis, Manos" <manos@gatech.edu>  
**Date:** Sunday, November 14, 2021 at 12:09 PM  
**To:** "Schamel, Mark" <MSchamel@lowenstein.com>, "Jara, Ana" <AJara@lowenstein.com>  
**Subject:** Re: Media Request re Mr. David Dagon

Yes, this makes sense.

Thank you, Mark

---

**From:** "Schamel, Mark" <MSchamel@lowenstein.com>  
**Date:** Sunday, November 14, 2021 at 12:08 PM  
**To:** "Antonakakis, Manos" <manos@gatech.edu>, "Jara, Ana" <AJara@lowenstein.com>  
**Subject:** RE: Media Request re Mr. David Dagon

That was intentional. I wanted to push back hard on her crappy reporting. She is a hack. I think we are going to have to come out publicly at some point and say that. I want to make a record that we told her, clearly, what she was doing. If you ever want to file a suit, actual knowledge makes it much harder for her when we win.

**Mark E. Schamel**  
Partner  
Lowenstein Sandler LLP

T: 202.753.3805

M: 202.841.3401

F: 973.597.2400



---

**From:** Antonakakis, Manos <manos@gatech.edu>  
**Sent:** Sunday, November 14, 2021 12:00 PM  
**To:** Schamel, Mark <MSchamel@lowenstein.com>; Jara, Ana <AJara@lowenstein.com>  
**Subject:** Re: Media Request re Mr. David Dagon

No. What I mean is that is borderline rude to her. Effectively telling her that she is not good at what she does. While true, I would never put that in an email.

Manos

---

**From:** "Schamel, Mark" <[MSchamel@lowenstein.com](mailto:MSchamel@lowenstein.com)>  
**Date:** Sunday, November 14, 2021 at 11:56 AM  
**To:** "Antonakakis, Manos" <[manos@gatech.edu](mailto:manos@gatech.edu)>, "Jara, Ana" <[AJara@lowenstein.com](mailto:AJara@lowenstein.com)>  
**Subject:** RE: Media Request re Mr. David Dagon

Why don't I say that we have never had a position on the article?

**Mark E. Schamel**  
Partner  
Lowenstein Sandler LLP

T: 202.753.3805  
M: 202.841.3401  
F: 973.597.2400



---

**From:** Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)>

**Sent:** Sunday, November 14, 2021 11:52 AM

**To:** Schamel, Mark <[MSchamel@lowenstein.com](mailto:MSchamel@lowenstein.com)>; Jara, Ana <[AJara@lowenstein.com](mailto:AJara@lowenstein.com)>

**Subject:** Re: Media Request re Mr. David Dagon

Mark your off the record statement is aggressive but you know better than me what is right here.

The on the record statement is correct.

Guess/speculation: The title of the article could be "Researcher 1 back away from the article." Of course there is nothing we can do about it ... as Researcher 1 never supported the article. Whatever.

Thanks, Manos

---

**From:** "Schamel, Mark" <[MSchamel@lowenstein.com](mailto:MSchamel@lowenstein.com)>

**Date:** Sunday, November 14, 2021 at 11:42 AM

**To:** "Antonakakis, Manos" <[manos@gatech.edu](mailto:manos@gatech.edu)>, "Jara, Ana" <[AJara@lowenstein.com](mailto:AJara@lowenstein.com)>

**Subject:** RE: Media Request re Mr. David Dagon

Margot

OFF THE RECORD

Having read a couple of your other articles, I have real concerns about the objectivity of your reporting on this issue. Not only are your conclusions incorrect, but the facts clearly do not support the insinuations in the indictment or your questions.

Dr. Antonakakis is NOT alleged to have done anything improper, illegal, unethical or even negligent. Dr. Antonakakis is a WITNESS in this "case" against Mr. Sussman. Dr. Antonakakis is APOLITICAL and has never met Sussman or any of the others involved in what Sussman and/or the campaign may have been doing. If you understood the work being done in the lab that Dr. Antonakakis runs, you would understand that the work is of vital importance to our national security. If you understood the facts at all, you would understand that the researchers at Georgia Tech were doing their job when they looked into the allegations of contact and possible collusion between the Trump campaign and a foreign power. Had there been an allegation involving the other campaign for President, they would do the same. That is actually their job.

I would encourage you to check with your sources and you will find that there was absolutely nothing improper about the researchers doing the research they are contracted to do. It is also critical that you understand that they did not access any databases to discredit the Trump campaign, but simply looked at the data they are tasked with monitoring to determine the facts. That they did not confirm it in their limited review, does not mean it does not exist. That analysis would simply take more time than was dedicated.

It would do you well to stop conflating not finding something in a preliminary analysis with it not having happened. Even Mr. Joffe's "fuck" email response seems to indicate that the preliminary analysis did not produce a definitive answer and thus, why no conclusion was ever produced, it does not mean there was not contact.

I would also strongly encourage you to cease writing articles that even intimate that Dr. Antonakakis has done anything wrong. As even the Special Counsel in its rush to find a way to exonerate the Trump campaign has made it abundantly clear, Dr. Antonakakis is not a subject of any investigation and that there is absolutely no evidence that he has ever done anything improper. If you are saying anything short of that, you are making a very serious and actionable mistake.

As for your questions, I offer you the following ON THE RECORD answers below:

Mark

Did Mr. Antonakakis use any data provided by Mr. Joffe in the analysis which you say he stands behind?

Dr. Antonakakis stands behind all published and unpublished research of which he is an author, coming out the Georgia Tech research lab. Dr. Antonakakis is one of the leading researchers in his field in the world. In this case he reviewed a narrative, as presented to him, by a well-known and respected researcher and provided his feedback, as he does for more than 100 unpublished research articles he receives every year. Dr. Antonakakis was not involved in the production of this anonymous article and there is nothing to support the false narrative that he did.

Did he know that any of that data came from the government pursuant to a separate government contract?

You should double check your sources, as the premise or your question is incorrect. No data procured for a government contract for which Dr. Antonakakis is responsible was used for the production of this anonymous article. Even the Durham investigation has confirmed this fact.

Also, did he use a GitHub account to communicate with the others and if so why?

He did not and since that is a provable fact, you lack even a good faith basis to say otherwise. The only reason you would ask this question is to make it appear nefarious, when in fact it was anything but and if you have done your research you will know this.

And finally, was Mr. Joffe's "fuck" response concerning the first data run related to Trump and Alfa Bank not showing a connection? If not, what did that refer to?

This is a question for Mr. Joffe.

**Mark E. Schamel**  
Partner  
Lowenstein Sandler LLP

**T:** 202.753.3805

**M:** 202.841.3401

**F:** 973.597.2400



**From:** Margot Cleveland <[margotcleveland@gmail.com](mailto:margotcleveland@gmail.com)>

**Sent:** Saturday, November 13, 2021 11:53 PM

**To:** Schamel, Mark <[MSchamel@lowenstein.com](mailto:MSchamel@lowenstein.com)>

**Subject:** Fwd: Media Request re Mr. David Dagon

Dear Mr. Schamel,

I am writing an article on the Sussman indictment and have obtained a cache of emails involving data requests and communications between your client, Manos Antonakakis, and others, confirmed to the New York Times as the unnamed individuals discussed in the indictment, specifically, Mr. Joffe, Mr. David Dagon, and April Lorenzen. During this time frame, there were also emails between some of these individuals and Steve DeJong. Did Mr. Antonakakis use any data provided by Mr. Joffe in the analysis which you say he stands behind? Did he know that any of that data came from the government pursuant to a separate government contract?

Also, did he use a github account to communicate with the others and if so why? And finally, was Mr. Joffe's "fuck" response concerning the first data run related to Trump and Alfa Bank not showing a connection? If not, what did that refer to?

My deadline is tomorrow at noon.

Thank you,

Margot Cleveland

Senior Contributor, The Federalist



ReplyForward

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**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, March 11, 2021 6:01:56 PM  
**To:** Kline, Allison<allison.kline@darpa.mil>; Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>; Rodney Joffe<rodney.joffe@team.neustar>; Keromytis, Angelos D<angelos@gatech.edu>  
**Subject:** Just talked with Rodney

Folks, I should not have called him. That was a terrible idea.

As I speculated, he nearly chewed my head off. He said, all targeting analysis (*\*especially\** for SUNBURST) out of the SLD data is by definition an operational task and should not be given to USG/DoD via EA. I walked him back from that by saying what if we just give DARPA opaque information for DoD and a few other important USG networks only? He agreed to that but, he wants you to call him and explain why EA needs one more win to show the value in his data. Sorry, I could not answer that point for you.

He said this is the last thing he is doing for EA since he has not been treated correctly (and I am paraphrasing his exact statement for obvious reasons...)

I will work on a few slides for DoD and USG *\*opaque\** targeting SUNBURST analysis through the SLD GT datasets all day today and tomorrow. Please do not ask me to call Rodney again, I am losing face to someone that used to respect me in the industry.

Thanks, Manos

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, March 12, 2021 12:43:53 AM  
**To:** Kline, Allison<allison.kline@darpa.mil>; Rodney Joffe<rodney.joffe@team.neustar>  
**CC:** Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** New DARPA EA PM

Hey Rodney,

Allow me to re-introduce to Allison, who is the new EA PM. I think it would be a great idea for the two of you to get on a call and catch up about the status of things.

Thanks,

—

Manos Antonakakis, Ph.D. | manos@gatech.edu  
College of Engineering Dean's Professorship Chair and Associate Professor  
Co-Director Center for Cyber Operations Enquiry and Unconventional Sensing (COEUS)  
School of Electrical and Computer Engineering | Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, April 2, 2021 6:23:19 PM  
**To:** Egerstedt, Magnus<magnus.egerstedt@ece.gatech.edu>; Blough, Douglas M<doug.blough@ece.gatech.edu>  
**CC:** Beyah, Raheem A<rbeyah@coe.gatech.edu>  
**Subject:** Re: [ece\_faculty] 2021-22 Promotion and Tenure cases  
**Attachments:** ManosAntonakakis\_cv\_040221.pdf (161.55 KB)

Thanks for the feedback, guys. Attached please find a semi-up-to-date CV. The only reason I asked is because people (within and outside GT) after my tenure case told to not wait for long until I go up for full. If my memory serves me right, one of these people was Raheem as well. In any case, let me know if I should wait or not. Happy to bring you offers (for full professor position with endowed Chair) from other places if that helps the process out.  
Thanks, Manos

---

**From:** Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>  
**Date:** Friday, April 2, 2021 at 12:49 PM  
**To:** Blough, Douglas M <doug.blough@ece.gatech.edu>, Antonakakis, Manos <manos@gatech.edu>  
**Subject:** Re: [ece\_faculty] 2021-22 Promotion and Tenure cases

Yup. I agree that Year 3 is pretty much a no-go. Year 4 is rare but not unheard of. Do you have a recent version of your cv so we can take a quick look and see if there are potential soft spots that you should tend to for this to be feasible?

/ Magnus

—  
Magnus Egerstedt, Ph.D.  
Steve W. Chaddick School Chair and Professor  
School of Electrical and Computer Engineering  
Georgia Institute of Technology

Georgia Tech ECE: Dreaming, Designing, and Getting it Done!

On 4/2/21, 10:57 AM, "Blough, Douglas M" <doug.blough@ece.gatech.edu> wrote:

Hi Manos,

The standard time for promotion is after 6 years in rank, just like from Assistant to Associate. Since you'd be in your 3rd year as Associate next year, it would be considered 3 years early. The College of Engineering has told us very clearly to not bring any 3-year-early full promotion cases forward. Let's revisit next year.

Magnus: Any additional thoughts?

Doug

On 4/2/21 10:32 AM, Antonakakis, Manos wrote:

> Hey Doug and Magnus,

>

> Should I apply for full or should I wait? I am in no real rush, just

> asking because I honestly do not know when the time is right to go up

> for full.  
>  
> Thanks, Manos  
>  
> \*From: \*ece\_faculty-request@lists.gatech.edu  
> <ece\_faculty-request@lists.gatech.edu> on behalf of Doug Blough  
> <doug.blough@ece.gatech.edu>  
> \*Date: \*Monday, March 29, 2021 at 1:48 PM  
> \*To: \*ece\_faculty@ece.gatech.edu <ece\_faculty@ece.gatech.edu>  
> \*Cc: \*Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>  
> \*Subject: \*[ece\_faculty] 2021-22 Promotion and Tenure cases  
>  
> Dear Colleagues,  
>  
> We are preparing for this coming year's RPT cycle and the  
> deadlines for submitting paperwork have been distributed by  
> CoE.  
>  
> To comply with Institute deadlines, we need to know by April 16  
> if you are planning to apply for tenure and/or promotion in the  
> coming cycle. First drafts of tenure/promotion packages will be  
> due in early May and final packages will be due around the third  
> week of May.  
>  
> Faculty members with questions about whether or not to pursue  
> promotion and/or tenure should consult with both Magnus Egerstedt  
> and me.  
>  
> Please notify Magnus and me of your intention to apply by April 16.  
> This is a hard deadline.  
>  
> Thank you,  
>  
> Doug Blough  
> ECE Associate Chair for Faculty Development  
>

**From:** Mitchell, Michael F<fvirgil6@gatech.edu> on behalf of Mitchell, Michael F  
**Sent on:** Friday, February 19, 2021 4:23:36 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>; Rodney Joffe<rodney.joffe@team.neustar>  
**Subject:** RE: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

Yes, I just spoke with Shamelia and this is a legitimate request to set up the ach payment system for vendors.  
Michale

---

**From:** Antonakakis, Manos <manos@gatech.edu>  
**Sent:** Thursday, February 18, 2021 7:53 PM  
**To:** Mitchell, Michael F <michael.mitchell@ece.gatech.edu>; Rodney Joffe <rodney.joffe@team.neustar>  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
Michael, is this legitimate?  
Thanks, Manos

---

**From:** Rodney Joffe <[rodney.joffe@team.neustar](mailto:rodney.joffe@team.neustar)>  
**Sent:** Thursday, February 18, 2021 19:35  
**To:** Antonakakis, Manos  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
Manos,

Could you please conform that this is legitimate?

Thanks  
Rodney

**From:** Mitchell, Michael F<fvirgil6@gatech.edu> on behalf of Mitchell, Michael F  
**Sent on:** Friday, February 19, 2021 4:23:36 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>; Rodney Joffe<rodney.joffe@team.neustar>  
**Subject:** RE: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

Yes, I just spoke with Shamelia and this is a legitimate request to set up the ach payment system for vendors.  
Michale

---

**From:** Antonakakis, Manos <manos@gatech.edu>  
**Sent:** Thursday, February 18, 2021 7:53 PM  
**To:** Mitchell, Michael F <michael.mitchell@ece.gatech.edu>; Rodney Joffe <rodney.joffe@team.neustar>  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
Michael, is this legitimate?  
Thanks, Manos

---

**From:** Rodney Joffe <[rodney.joffe@team.neustar](mailto:rodney.joffe@team.neustar)>  
**Sent:** Thursday, February 18, 2021 19:35  
**To:** Antonakakis, Manos  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
Manos,

Could you please conform that this is legitimate?

Thanks  
Rodney

**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Friday, February 19, 2021 5:02:01 PM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

Many thanks Michael. I've forwarded it on to our treasury group with the "clean bill of health/not a phish" label :-)

On the other matter, do you have any idea how the processing of our "ERP Services, Inc" Vendor registration is progressing?

Regards  
Rodney

> On Feb 19, 2021, at 11:23 AM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:  
>  
> Yes, I just spoke with Shamelia and this is a legitimate request to set up the ach payment system for vendors.  
>  
> Michale  
>  
> From: Antonakakis, Manos <manos@gatech.edu>  
> Sent: Thursday, February 18, 2021 7:53 PM  
> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>; Rodney Joffe <rodney.joffe@team.neustar>  
> Subject: Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
>  
> Michael, is this legitimate?  
>  
> Thanks, Manos  
> From: Rodney Joffe <rodney.joffe@team.neustar>  
> Sent: Thursday, February 18, 2021 19:35  
> To: Antonakakis, Manos  
> Subject: Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
>  
> Manos,  
>  
> Could you please confirm that this is legitimate?  
>  
> Thanks  
> Rodney  
>

**From:** Mitchell, Michael F<fvirgil6@gatech.edu> on behalf of Mitchell, Michael F  
**Sent on:** Friday, February 19, 2021 6:35:13 PM  
**To:** Rodney Joffe<rodney.joffe@team.neustar>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** RE: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

Thanks for moving that on.

Based on what I see in our system ERP services is active and ready for receiving POs. So feel free to send us a Quote at your earliest convenience.

M

-----Original Message-----

From: Rodney Joffe <rodney.joffe@team.neustar>  
Sent: Friday, February 19, 2021 12:02 PM  
To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
Cc: Antonakakis, Manos <manos@gatech.edu>  
Subject: Re: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

Many thanks Michael. I've forwarded it on to our treasury group with the "clean bill of health/not a phish" label :-)

On the other matter, do you have any idea how the processing of our "ERP Services, Inc" Vendor registration is progressing?

Regards  
Rodney

> On Feb 19, 2021, at 11:23 AM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:  
>  
> Yes, I just spoke with Shamelia and this is a legitimate request to set up the ach payment system for vendors.  
>  
> Michale  
>  
> From: Antonakakis, Manos <manos@gatech.edu>  
> Sent: Thursday, February 18, 2021 7:53 PM  
> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>; Rodney Joffe <rodney.joffe@team.neustar>  
> Subject: Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
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> Michael, is this legitimate?  
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> Thanks, Manos  
> From: Rodney Joffe <rodney.joffe@team.neustar>  
> Sent: Thursday, February 18, 2021 19:35  
> To: Antonakakis, Manos  
> Subject: Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
>  
> Manos,  
>  
> Could you please conform that this is legitimate?  
>  
> Thanks  
> Rodney  
>

**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Tuesday, March 2, 2021 6:06:23 PM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**CC:** Colin Monaghan<colin.monaghan@team.neustar>  
**Subject:** Re: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
**Attachments:** Georgia Institute of Technology - ERP DNS Quote - 24FEB21.pdf (107.92 KB)  
**Follow up:** Follow up  
**Start date:** Tuesday, March 2, 2021 12:00:00 AM  
**Due date:** Tuesday, March 2, 2021 12:00:00 AM

Hi Michael,

I am attaching the quote as discussed. Please let me know if anything needs to be changed.

I have referred to it as the "Enhanced Attribution II" project because I am not sure what the proper designation for this interim period should be. Happy to modify if needed.

Thanks  
Rodney

> On Feb 19, 2021, at 1:35 PM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:

>

> Thanks for moving that on.

>

> Based on what I see in our system ERP services is active and ready for receiving POs. So feel free to send us a Quote at your earliest convenience.

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> M

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> -----Original Message-----

> From: Rodney Joffe <rodney.joffe@team.neustar>

> Sent: Friday, February 19, 2021 12:02 PM

> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

> Cc: Antonakakis, Manos <manos@gatech.edu>

> Subject: Re: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

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> Many thanks Michael. I've forwarded it on to our treasury group with the "clean bill of health/not a phish" label :-)

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>> From: Rodney Joffe <rodney.joffe@team.neustar>

>> Sent: Thursday, February 18, 2021 19:35

>> To: Antonakakis, Manos

>> Subject: Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

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>> Manos,

>>

>> Could you please conform that this is legitimate?

>>

>> Thanks

>> Rodney

>>

>



**From:** Mitchell, Michael F<fvirgil6@gatech.edu> on behalf of Mitchell, Michael F  
**Sent on:** Friday, February 12, 2021 4:31:41 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>; Rodney Joffe<rodney.joffe@team.neustar>  
**Subject:** RE: Data subscription extension

Manos,

It really depends on how quickly the subsidiary is able to get registered in the system (outside of our control), send us the quote, and how responsive they are to the inquiries and requests for documentation that procurement needs. I would say probably 3 weeks on the short side accounting for some back and forth between supplier and contracting officer.

Rodney,

Would you please have the new company register as a vendor in our system. No action on our part can be completed until we have the quote and the new company's registration is done. This link will allow for a new account to be set up, including routing details for payments on future invoices. A new PO will be issued.

[https://wd5.myworkdaysite.com/supplier/gatech/SUPPLIER\\_REGISTRATION\\_PROD](https://wd5.myworkdaysite.com/supplier/gatech/SUPPLIER_REGISTRATION_PROD)

Let me know if you have questions!

M

---

**From:** Antonakakis, Manos <manos@gatech.edu>  
**Sent:** Friday, February 12, 2021 9:29 AM  
**To:** Rodney Joffe <rodney.joffe@team.neustar>; Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
**Subject:** Re: Data subscription extension

Rodney this makes sense.

Michael, can I get an ETA on this being one?

Thanks, Manos

---

**From:** Rodney Joffe <[rodney.joffe@team.neustar](mailto:rodney.joffe@team.neustar)>  
**Date:** Thursday, February 11, 2021 at 9:39 PM  
**To:** Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>  
**Cc:** Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)>  
**Subject:** Re: Data subscription extension

Hello Michael,

Thank you for the opportunity.

I will have the quote prepared for you by Monday. It will be a new quote, with the same general terms and conditions as the original contract. However, it will cover 3 months, and it will confirm that if needed, an additional PO for the remainder of 2021 will be valid at the same rate and terms.

Will this work for your purposes, or will you need any other changes?

One point from Neustar's side - we now contract for all sensitive contracts through our Government Subsidiary, ERP Services, Inc, a wholly owned subsidiary of Neustar, Inc. I assume this will also not be an issue for you?

Regards

Rodney

=====

Rodney Joffe  
SVP, and Fellow  
National Security Executive  
Neustar, Inc.  
45980 Center Oak Plaza  
Sterling VA 20166  
USA  
+1 202-533-2900 Direct

+1 602-418-6471 Cell

[rodney.joffe@team.neustar](mailto:rodney.joffe@team.neustar)

> On Feb 11, 2021, at 5:05 PM, Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)> wrote:

>

> Good Afternoon Rodney,

>

> I spoke with Manos earlier today regarding the short term extension of our project and the need to extend our data subscription. Would you be able to provide me with a quote for the additional period you discussed? I would greatly appreciate it!

>

> Thanks,

>

> Michael Mitchell

>

> Research Operations Program Manager

> GEORGIA Institute

> of TECH nology

> School of Electrical and Computer Engineering

> 777 Atlantic Drive NW

> Atlanta, GA 30332-0765

> Office: 404-385-8122

> Mobile: 770-655-8039

**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Wednesday, April 14, 2021 6:42:47 PM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**CC:** Antonakakis, Manos<manos@gatech.edu>; Colin Monaghan<colin.monaghan@team.neustar>  
**Subject:** Re: Data subscription extension

Hello Michael,

Many thanks. Putting it into process now.

Regards  
Rodney

> On Apr 14, 2021, at 2:31 PM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:

>

> Hey Rodney,

>

> I was following up on the requisition that I put in for this and found that the PO was executed for this. The PO number is PO-5145022. If you have not yet done so, would you please send an invoice for this PO to [apinvoices@gatech.edu](mailto:apinvoices@gatech.edu) with a subject line of PO-5145022?

>

> Let me know if you have any questions or need help on this.

>

> Thanks!

>

> Michael

>

> -----Original Message-----

> From: Rodney Joffe <rodney.joffe@team.neustar>

> Sent: Friday, February 12, 2021 2:57 PM

> To: Antonakakis, Manos <manos@gatech.edu>

> Cc: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

> Subject: Re: Data subscription extension

>

> Hi Manos and Michael,

>

> We think we have accurately completed the registration form. Please let me know if there is anything else needed.

>

> Thanks!

> Rodney

>

>

>> On Feb 12, 2021, at 11:51 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>>

>> OK, let start asap. I cannot go back to DARPA and say that I cannot do this because GT is not moving fast enough. I will lose face.

>>

>>

>>

>> Manos

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>> From: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>> Date: Friday, February 12, 2021 at 11:31 AM

>> To: Antonakakis, Manos <manos@gatech.edu>, Rodney Joffe <rodney.joffe@team.neustar>

>> Subject: RE: Data subscription extension

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>> Manos,

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>> It really depends on how quickly the subsidiary is able to get registered in the system (outside of our control), send us

the quote, and how responsive they are to the inquiries and requests for documentation that procurement needs. I would say probably 3 weeks on the short side accounting for some back and forth between supplier and contracting officer.

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>> Rodney,

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[https://urldefense.com/v3/\\_\\_https://nam12.safelinks.protection.outlook.com/?url=https\\*3A\\*2F\\*2Fwd5.myworkdaysite.com\\*2FPRReRde8WJTHWYIs0KygZULJChquUn\\_8DaNIm777TynPgnw\\$](https://urldefense.com/v3/__https://nam12.safelinks.protection.outlook.com/?url=https*3A*2F*2Fwd5.myworkdaysite.com*2FPRReRde8WJTHWYIs0KygZULJChquUn_8DaNIm777TynPgnw$)

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>> Subject: Re: Data subscription extension

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>> Michael, can I get an ETA on this being one?

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>> Date: Thursday, February 11, 2021 at 9:39 PM

>> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>> Cc: Antonakakis, Manos <manos@gatech.edu>

>> Subject: Re: Data subscription extension

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>> Hello Michael,

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>> Will this work for your purposes, or will you need any other changes?

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>> One point from Neustar's side - we now contract for all sensitive contracts through our Government Subsidiary, ERP Services, Inc, a wholly owned subsidiary of Neustar, Inc. I assume this will also not be an issue for you?

>>

>> Regards

>> Rodney

>> =====

>> Rodney Joffe

>> SVP, and Fellow

>> National Security Executive

>> Neustar, Inc.

>> 45980 Center Oak Plaza

>> Sterling VA 20166

>> USA

>> +1 202-533-2900 Direct

>> +1 602-418-6471 Cell

>> rodney.joffe@team.neustar

>>

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>>>

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>>> I spoke with Manos earlier today regarding the short term extension of our project and the need to extend our data subscription. Would you be able to provide me with a quote for the additional period you discussed? I would greatly appreciate it!

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>>> Michael Mitchell

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>>> Research Operations Program Manager

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>>> 777 Atlantic Drive NW

>>> Atlanta, GA 30332-0765

>>> Office: 404-385-8122

>>> Mobile: 770-655-8039

>>

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>

**From:** Mitchell, Michael F<fvirgil6@gatech.edu> on behalf of Mitchell, Michael F  
**Sent on:** Wednesday, April 14, 2021 6:31:26 PM  
**To:** Rodney Joffe<rodney.joffe@team.neustar>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** RE: Data subscription extension

Hey Rodney,

I was following up on the requisition that I put in for this and found that the PO was executed for this. The PO number is PO-5145022. If you have not yet done so, would you please send an invoice for this PO to [apinvoices@gatech.edu](mailto:apinvoices@gatech.edu) with a subject line of PO-5145022?

Let me know if you have any questions or need help on this.

Thanks!

Michael

-----Original Message-----

From: Rodney Joffe <[rodney.joffe@team.neustar](mailto:rodney.joffe@team.neustar)>  
Sent: Friday, February 12, 2021 2:57 PM  
To: Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)>  
Cc: Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>  
Subject: Re: Data subscription extension

Hi Manos and Michael,

We think we have accurately completed the registration form. Please let me know if there is anything else needed.

Thanks!  
Rodney

> On Feb 12, 2021, at 11:51 AM, Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)> wrote:

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> OK, let start asap. I cannot go back to DARPA and say that I cannot do this because GT is not moving fast enough. I will lose face.

>  
>  
>  
> Manos

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>  
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> From: Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>  
> Date: Friday, February 12, 2021 at 11:31 AM  
> To: Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)>, Rodney Joffe <[rodney.joffe@team.neustar](mailto:rodney.joffe@team.neustar)>  
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<https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwd5.myworkdaysite.com%2Fsupplier%2Fgatech%2F>  
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> To: Rodney Joffe <rodney.joffe@team.neustar>; Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
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> rodney.joffe@team.neustar

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>> Michael Mitchell

>> Research Operations Program Manager  
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>> Atlanta, GA 30332-0765  
>> Office: 404-385-8122  
>> Mobile: 770-655-8039



**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Friday, February 12, 2021 5:17:55 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**CC:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**Subject:** Re: Data subscription extension

We're on it.

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> Date: Friday, February 12, 2021 at 11:31 AM  
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>> Research Operations Program Manager  
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>> School of Electrical and Computer Engineering  
>> 777 Atlantic Drive NW  
>> Atlanta, GA 30332-0765  
>> Office: 404-385-8122  
>> Mobile: 770-655-8039

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, February 12, 2021 2:28:53 PM  
**To:** Rodney Joffe<rodney.joffe@team.neustar>; Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**Subject:** Re: Data subscription extension

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Thanks, Manos

---

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**Date:** Thursday, February 11, 2021 at 9:39 PM  
**To:** Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
**Cc:** Antonakakis, Manos <manos@gatech.edu>  
**Subject:** Re: Data subscription extension

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+1 602-418-6471 Cell  
rodney.joffe@team.neustar

> On Feb 11, 2021, at 5:05 PM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:

>

> Good Afternoon Rodney,

>

> I spoke with Manos earlier today regarding the short term extension of our project and the need to extend our data subscription. Would you be able to provide me with a quote for the additional period you discussed? I would greatly appreciate it!

>

> Thanks,

>

> Michael Mitchell

>

> Research Operations Program Manager

> GEORGIA Institute

- > of TECHNOLOGY
- > School of Electrical and Computer Engineering
- > 777 Atlantic Drive NW
- > Atlanta, GA 30332-0765
- > Office: 404-385-8122
- > Mobile: 770-655-8039

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, February 12, 2021 3:52:58 AM  
**To:** Rodney Joffe<rodney.joffe@team.neustar>  
**Subject:** Re: Data subscription extension

**From:** Rodney Joffe <rodney.joffe@team.neustar>  
**Sent:** Thursday, February 11, 2021 9:39:00 PM  
**To:** Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
**Cc:** Antonakakis, Manos <manos@gatech.edu>  
**Subject:** Re: Data subscription extension  
Hello Michael,

Thank you for the opportunity.

I will have the quote prepared for you by Monday. It will be a new quote, with the same general terms and conditions as the original contract. However, it will cover 3 months, and it will confirm that if needed, an additional PO for the remainder of 2021 will be valid at the same rate and terms.

Will this work for your purposes, or will you need any other changes?

One point from Neustar's side - we now contract for all sensitive contracts through our Government Subsidiary, ERP Services, Inc, a wholly owned subsidiary of Neustar, Inc. I assume this will also not be an issue for you?

Regards  
Rodney

=====

Rodney Joffe  
SVP, and Fellow  
National Security Executive  
Neustar, Inc.  
45980 Center Oak Plaza  
Sterling VA 20166  
USA  
+1 202-533-2900 Direct  
+1 602-418-6471 Cell  
rodney.joffe@team.neustar

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- > Atlanta, GA 30332-0765
- > Office: 404-385-8122
- > Mobile: 770-655-8039

**From:** Yizheng Chen [REDACTED] >  
**Sent on:** Thursday, November 11, 2021 4:40:15 PM  
**To:** Antonakakis, Manos <manos@gatech.edu>  
**Subject:** Re: Job Application Statements  
**Attachments:** cv.pdf (201.94 KB), rs.pdf (97.01 KB)

Hi Manos,

Attached are my latest CV and researchstatement.

I simplified the story in the completed research to start with the measurement work. Due to the spacelimit, I emphasized more on the technical content of robust training algorithms. Could you help me discuss all the cool measurement work and the impact in your letter, as you suggested? I think what you said makes sense, but people on the hiring committee want to see a complete picture of the candidate from the letters, and they told me it's best that the letter writers can discuss different projects, instead of the same ones. Your comments on my PhD projects would be really helpful. Also, could you comment on my teaching since I did TA with your network security class? Whatdo you think?

Best,  
Yizheng

On Thu, Nov 11, 2021 at 7:35 AM Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)> wrote:

Yizheng, please send me your latest CV and research statement.

Thanks, Manos

---

**From:** Yizheng Chen [REDACTED] >  
**Sent:** Saturday, October 30, 2021 5:59 PM  
**To:** Antonakakis, Manos  
**Subject:** Re: Job Application Statements

Hi Manos,

Thanks for taking a look! Thank you for all the suggestions. I'll try to make the research statement more coherent.

Best,  
Yizheng

On Fri, Oct 29, 2021 at 7:37 AM Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>>> wrote:

Yizheng, the research statement is good but I think you need to equally weight and properly link the ML work you did since you left the PhD program and the deep measurement work you did during your PhD. Those two right now feel like two different lives you had, and they should absolutely not feel like that to the reader.

People tend to respond better when you give them complete stories rather than "here are all the cool things I did" type of statements. To that end, my recommendation would be for you to rewrite the first four paragraphs of your research statement presenting the following story. During my PhD I did all these cool measurement stuff and allow me to practically realize the value and power of ML. After my PhD I tried to do

that in industry and I realized I need more freedom to investigate all other aspects of adversarial ML I deemed important. Therefore, I joined Columbia so I can research these important aspects of adversarial ML, and here are my cool results. That is a much cleaner, easier to understand and remember story than the one you are presenting right now.

Such a story line makes your journey more deliberate (despite the fact that it might not have been exactly so), and you come across as a candidate that knows what she wants to do in research. Key point here is this: Your research statement is for non-security people in the search committee. Thus, makes sure the first four paragraphs can be read and understood by them. If you lose the non-security people at the beginning of this document, you have no realistic chances of getting an interview.

Some typos in the RS:

- \* properties, that -> properties that (at two places)
- \* and also made impact in the real-world -> and also made an impact in the real-world
- \* specifies that, arbitrary attacks -> specifies that arbitrary attacks
- \* Thus, attacker can always slightly change some -> Thus, an attacker can always slightly change some
- \* as, the output of the Twitter -> as the output of the Twitter
- \* satisfies the properties and find counterexamples -> satisfies the properties and found counterexamples
- \* I proposed new certifiable training technique -> I proposed a new certifiable training technique [or] I proposed new certifiable training techniques
- \* a strong adversary has not been -> a strong adversary, has not been
- \* using mixed integer linear program -> using a mixed integer linear program
- \* This makes the analysts job easier -> This makes the analyst's job easier
- \* vast amount of domain knowledge -> vast amounts of domain knowledge

Hope this helps!

Manos

From: Yizheng Chen [REDACTED]  
Date: Wednesday, October 27, 2021 at 11:38 PM  
To: "Antonakakis, Manos" <[manos@gatech.edu](mailto:manos@gatech.edu)><mailto:[manos@gatech.edu](mailto:manos@gatech.edu)>>  
Subject: Job Application Statements

Hi Manos,

I hope you are doing well! I'm wondering if you could take a look at my job application statements? I'd really appreciate any feedback you may have on these! I made them available here:  
<https://www.dropbox.com/sh/ryuyyhiwrru8soj/AAAhvtzFqqu5Sulg94tSvB3wa?dl=0>

Thank you so much.

Best,  
Yizheng



**From:** Fuller, Christian<christian.fuller@legal.gatech.edu> on behalf of Fuller, Christian  
**Sent on:** Monday, October 18, 2021 12:55:19 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** RE: Open Records Act Request #102110

[Sure. Give me like 20 minutes and I'll give you a call.](#)

---

**From:** Antonakakis, Manos <manos@gatech.edu>  
**Sent:** Monday, October 18, 2021 8:53 AM  
**To:** Fuller, Christian <christian.fuller@legal.gatech.edu>  
**Subject:** Fwd: Open Records Act Request #102110  
Christian, do you have time to discuss this?  
Thanks, Manos

---

**From:** Georgia Tech Open Records Office <[openrecords@gatech.edu](mailto:openrecords@gatech.edu)>  
**Sent:** Monday, October 18, 2021 08:45  
**To:** Antonakakis, Manos  
**Cc:** Georgia Tech Open Records Office  
**Subject:** Open Records Act Request #102110

Good morning Dr. Antonakakis,

My office received the below Open Records Act request last week. Would you be able to assist with the items listed in Item #3 of the request? If so, please provide an estimate of the amount of time it will take to search for, retrieve and potentially redact the information, as well as your hourly rate in accordance with your Georgia Tech salary. This information will be used to provide the requestor with a cost estimate for production.

Please let me know if you have any questions. Thanks so much.

*Jamila Hudson-Allen*  
*Open Records Officer*  
*Office of Institute Communications*  
*Open Records Division*  
**Georgia Institute of Technology**  
[openrecords@gatech.edu](mailto:openrecords@gatech.edu)



---

**From:** Krawiec, Margaret E <[Margaret.Krawiec@skadden.com](mailto:Margaret.Krawiec@skadden.com)>  
**Sent:** Wednesday, October 13, 2021 11:51 AM  
**To:** Georgia Tech Open Records Office <[openrecords@gatech.edu](mailto:openrecords@gatech.edu)>  
**Cc:** Amaechi, Pamela I <[Pamela.Amaechi@skadden.com](mailto:Pamela.Amaechi@skadden.com)>; McIntosh, Michael A <[Michael.McIntosh@skadden.com](mailto:Michael.McIntosh@skadden.com)>; Murday, Rebecca M <[Rebecca.Murday@skadden.com](mailto:Rebecca.Murday@skadden.com)>  
**Subject:** AO Alfa Bank v. John Doe et al // Open Records Request

To Whom it May Concern:

I hope this email finds you well. My name is Margaret Krawiec and I represent AO Alfa Bank ("Alfa Bank") in a lawsuit pending in Florida state court, *AO Alfa-Bank v. John Doe et al.*, Case No. 50-2020-CA-006304-XXX MB (Fla. 15th Cir., filed June 11, 2020). I write to make a formal open records request from the University for the below-listed records. The time period for these requests is January 2016 to the present:

1. Cybersecurity research contracts awarded to the Georgia Institute of Technology ("Georgia Tech") by the U.S. Department of Defense in November 2016 ("DOD Contracts").
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  2. Draft or executed contracts regarding researchers' access to or use of DNS data, including but not limited to terms of service, confidentiality, and user agreements;
  3. Passive DNS collection systems, including but not limited to the DNS collection system referred to as "Thales";
  4. Allegations of secret communications between the Trump Organization and Alfa Bank. "Allegations of secret communications" is defined as the since-debunked theory that there was a covert or secret channel of communication between the Trump Organization and Alfa Bank prior to and following the 2016 U.S. presidential election;
  5. the Trump Organization server (IP address 66.216.133.29) or domains ("trump-email.com"; "contact-client.com"; hostnames "email1.trump-email.com" or "trump1.contact-client.com"; and any iterations involving alternate capitalization or concatenated versions thereof);
  6. the Alfa Bank server (IP addresses 217.12.96.15 and 217.12.97.15) or domains ("moscow.alfaintra.net," and any iterations involving alternate capitalization or concatenated versions thereof);
  7. AO Alfa-Bank, also known as "Alfa Bank";
  8. any analysis of computer data related to either the Trump Organization or Alfa Bank;
  9. analysis of computer data relating to the following entities: Cendyn, Listrak, Serenata, Denihan Hospitality Group, Spectrum Health, Heartland Payment Systems, Obit Telecommunications, and Domo;
  10. allegations of Russian interference in U.S. elections;
  11. communications, documents, and computer data exchanged with individuals using the pseudonyms "Tea Leaves" or "Max";
  12. communications, documents, and computer data exchanged with April Lorenzen or Rodney Joffe;
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  14. communications, documents, and computer data exchanged with Packet Forensics LLC, VOSTROM Holdings, Inc., Centergate Research Group, LLC, or any other entities affiliated with Rodney Joffe;
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Glenn Simpson, Jacob "Jake" Berkowitz, Laura Seago or any other affiliates of Fusion GPS;

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18. communications, documents, and computer data exchanged with the Clinton Campaign or the Democratic National Committee.

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We would be happy to discuss the scope of these requests further over a call. Please let us know if you have any questions or would like to discuss.

Thanks,  
Margaret

-----  
This email (and any attachments thereto) is intended only for use by the addressee(s) named herein and may contain legally privileged and/or confidential information. If you are not the intended recipient of this email, you are hereby notified that any dissemination, distribution or copying of this email (and any attachments thereto) is strictly prohibited. If you receive this email in error please immediately notify me at (212) 735-3000 and permanently delete the original email (and any copy of any email) and any printout thereof.

Further information about the firm, a list of the Partners and their professional qualifications will be provided upon request.

=====

**From:** Fuller, Christian<christian.fuller@legal.gatech.edu> on behalf of Fuller, Christian  
**Sent on:** Monday, October 18, 2021 12:55:19 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** RE: Open Records Act Request #102110

[Sure. Give me like 20 minutes and I'll give you a call.](#)

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*Office of Institute Communications*  
*Open Records Division*  
**Georgia Institute of Technology**  
[openrecords@gatech.edu](mailto:openrecords@gatech.edu)



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**Sent:** Wednesday, October 13, 2021 11:51 AM  
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**Cc:** Amaechi, Pamela I <[Pamela.Amaechi@skadden.com](mailto:Pamela.Amaechi@skadden.com)>; McIntosh, Michael A <[Michael.McIntosh@skadden.com](mailto:Michael.McIntosh@skadden.com)>; Murday, Rebecca M <[Rebecca.Murday@skadden.com](mailto:Rebecca.Murday@skadden.com)>  
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**Sent on:** Monday, October 18, 2021 12:56:13 PM  
**To:** Fuller, Christian<christian.fuller@legal.gatech.edu>  
**Subject:** Re: Open Records Act Request #102110

Thanks!

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**Sent:** Monday, October 18, 2021 8:55:19 AM  
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**Subject:** RE: Open Records Act Request #102110  
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*Jamila Hudson-Allen*

*Open Records Officer*

*Office of Institute Communications*

*Open Records Division*

**Georgia Institute of Technology**

[openrecords@gatech.edu](mailto:openrecords@gatech.edu)



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**To:** Georgia Tech Open Records Office <[openrecords@gatech.edu](mailto:openrecords@gatech.edu)>  
**Cc:** Amaechi, Pamela I <[Pamela.Amaechi@skadden.com](mailto:Pamela.Amaechi@skadden.com)>; McIntosh, Michael A <[Michael.McIntosh@skadden.com](mailto:Michael.McIntosh@skadden.com)>; Murday, Rebecca M <[Rebecca.Murday@skadden.com](mailto:Rebecca.Murday@skadden.com)>  
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Margaret

-----  
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Further information about the firm, a list of the Partners and their professional qualifications will be provided upon request.

=====

**From:** Angelos D. Keromytis<[REDACTED]>  
**Sent on:** Thursday, June 22, 2017 1:59:03 PM  
**To:** Manos Antonakakis<manos@gatech.edu>  
**Subject:** Fwd: thoughts

Begin forwarded message:

**From:** "McLaughlin, Steven W" <[swm@ece.gatech.edu](mailto:swm@ece.gatech.edu)>  
**Date:** June 22, 2017 at 04:35:29 MDT  
**To:** [REDACTED] <[REDACTED]>  
**Cc:** "McLaughlin, Steven W" <[swm@ece.gatech.edu](mailto:swm@ece.gatech.edu)>  
**Subject:** FW: thoughts

Hi Angelos

OK great – will call you on your cell at 10am my time this morning.

Here are a few notes in advance – highlighted in yellow below - as you will see the main item addressed is how GT would like to handle salary, I think we can get to where you want, but after some time and milestones...

All the very best,

Steve

On 6/6/17, 12:15 AM, "Angelos D. Keromytis" <[angelos@keromytis.com](mailto:angelos@keromytis.com)> wrote:

Steve,

Thanks again for the meeting last week, and the offer letter! I'm very excited by the opportunity, and I think the overall shape looks very good, but there are some important elements in the letter (items 1, 5, 7, and 8 below) that are problematic and I would like to discuss further. Following the order of the letter:

1. The salary of \$260K/9mos is significantly below my expectations and needs. To begin with, we are currently very well settled in NoVA; the public school system is excellent; my wife and kids have close friends. Thus, it is hard to justify the hassle of uprooting, selling a (nice) house, moving, finding a house, settling in again, etc., considering I have an offer of \$255K/9mos from UMD (which does not incur most, and perhaps none, of those time/energy/\$\$ costs). Looking at the housing market in Atlanta, I am somewhat apprehensive about finding the right spot in terms of distance/price/schools — the places we have found online when it comes to reasonable public schools seem to be at least \$100K - \$200K more expensive than our current house.

On top of the above, right now we are within “non-TSA” range of my in-laws and most of my wife’s family. This makes it easy for my in-laws in particular to visit us pretty often (and vice versa), whether by car or by train. Atlanta has nice connections to NYC and Boston, but flying is somewhat more expensive.

As a lesser point, it is quite conceivable that my eldest (and perhaps the younger one too) will need private school at some point soon (based on personality and academic inclinations). Currently, Columbia covers close to half of private school tuition — which, of course, they’d have to do because of NYC prices! So, while this need is not as critical or (when comparing NYC to Atlanta) as steep, it still puts a bit of pressure on the salary “need” side.

So, per our discussion, a 9-month salary much closer to \$300K would be needed. One possibility would be to split the difference: \$280K for a 9-month salary, and authorization to use some of the discretionary funding from the Weitnauer Chair to cover family travel to/from NYC and Boston. The \$20K bump is really \$15K, when you consider that we are negotiating now for a position that I would fill in 14 months (i.e., after one notional salary raise, if I had started now). A bit of a rationalization perhaps, but there you have it :)

*AFTER DISCUSSION WITH THE DEAN, PROVOST AND A COUPLE OF OTHERS, GT WOULD PROPOSE TO STAY WITH THE \$260K/9-MONTHS OFFER AND PUT IN PLACE AN INCENTIVE PLAN THAT GETS THE SALARY TO THE LEVEL YOU WOULD LIKE WITHIN 24 MONTHS OF YOUR ARRIVAL. THIS APPROACH WOULD THEN MIRROR HOW WE WOULD HANDLE THE STARTUP EQUIPMENT PIECE AS WELL – FOR EXAMPLE, TWO 5% RAISES WOULD GET TO THE \$286K/9-MONTHS POINT IN TWO YEARS, 7.5% WOULD BE 300..*

*WITH REGARD TO USING THE CHAIR FUNDS FOR FAMILY PERSONAL TRAVEL UNFORTUNATELY I LEARNED THAT THAT IS OUT OF SCOPE FOR CHAIR FUNDS*

2. Weitnauer Chair: I am honored, and the terms of the position look great. No further discussion needed.

3. Student and postdoc support: if \$200K/year covers 2 PhD GRAs and 1 postdoc, then this looks good. I would, however, ask for flexibility when it comes to the postdoc — it may not be possible to hire one right away, based on market conditions. Perhaps \$200K/year for the first 2 years, where the spending itself can be stretched into Year 3 (and 4)?

*NO PROBLEM WITH MOVING INTO YEARS 3 AND 4*

4. Staff support: Is the admin/finance person shared or dedicated? Same question for the computer support person.

*DEDICATED TO YOU BUT MIGHT BE EXANDED TO ADDRESS THE HIRES IN SUBSEQUENT YEARS*

5. Cluster hire in cybersecurity: 2 hires in ECE is too little. 3 is the minimum needed; 4 would be much better. I'd be happy to coordinate as needed across campus to ensure the 8-10 slots are used well.

*WE NEED TO STICK WITH 3 AND IT WOULD NEED TO SPREAD ACROSS 6 OR MORE YEARS. WE CAN DISCUSS MORE, FOR EXAMPLE THESE WOULD ALMOST CERTAINLY NEED TO BE JUNIOR HIRES*

6. Teaching expectations: looks good. I would expect at least 2 of the 3 courses/year to be on security; and buying out of one of the three courses would make my load 2 security courses per year?

*I HOPE YOU WOULD BE ABLE TO BE FLEXIBLE WITH THE TECHNICAL INTEREST GROUP (TIG) – TEACHING ASSIGNMENTS ARE HANDLED AS A GROUP AND IT WOULD BE GOOD IF YOU WOULD BE WILLING TO TEACH SOME MORE GENERAL COURSES HERE AND THERE.*

7. Research Equipment Startup: This one caught me by surprise. Given past average investments by GRA and everything that was said on the subject, a “reduction” to less than half the projected budget makes me wonder what the near-term benefit of the association with GRA is? Not to put too fine a point on it: I'd rather not be the cheapest GRA Eminent Scholar in history. Is the \$3M coming out of GT-only funds? If so, is there a potential for later-on injection of additional GRA funds, if for whatever reason an investment in the immediate future is not feasible? Also, would you be open to some form of ICR, whereby for every \$1M of research funds, the school invests \$125K in additional research equipment funds?

Spreading the spending over some number of years is not a problem, although it will be a step function with a significant up-front outlay (perhaps as much as \$1M).

As for availability to other responsible users in the cybersecurity and related research community: I am open to it in principle, but there are some complexities arising from working on DoD (e.g., DARPA) and similar projects, which impose some protection requirements to technical data (including code). Similar protection needs arise from handling sensitive (unclassified, obviously) data — whether from the USG or private partners. All this to day that not everyone can have access; however, I would expect any active member of the cybersecurity “group” (loosely defined) to be eligible for such access. *THIS REQUIRES MORE TIME – IN MY EMAIL EARLIER THIS WEEK I WOULD SUGGESTED THAT WE HAVE YOU COME BACK TO TECH AND TALK WITH GRA, STEVE CROSS AND PUT IN PLACE AN INCENTIVE PLAN THAT HAS EVERYONE ALIGNED.*

8. Space: If we are to build a large group in cybersecurity, we need to bring all the interested/relevant parties together in close proximity. So, having sufficient space for my staff and students alone is not enough; I would like a commitment that there will be space in reasonably close proximity (if not contiguous) for everyone in the cybersecurity cluster (both existing faculty+students, and projected hires — per item 5, above). I am less concerned about where.

*100% AGREE – STILL IS TBD FOR THE EXACT LOCATION.*

\*\*\*\*\*

Steven W. McLaughlin, Ph.D

Steve W. Chaddick School Chair & Professor

School of Electrical and Computer Engineering

Georgia Institute of Technology  
Van Leer Building, Suite 215  
777 Atlantic Ave  
Atlanta, GA 30332-0250 USA  
phone: +1 404-894-4468  
personal web page:<http://users.ece.gatech.edu/~swm>

**From:** Angelos D. Keromytis <[REDACTED]>  
**Sent on:** Thursday, June 15, 2017 3:00:55 PM  
**To:** Manos Antonakakis <manos@gatech.edu>  
**Subject:** Fwd: touching base

Begin forwarded message:

**From:** "McLaughlin, Steven W" <[swm@ece.gatech.edu](mailto:swm@ece.gatech.edu)>  
**Date:** June 15, 2017 at 05:36:52 EDT  
**To:** "Angelos D. Keromytis" <[REDACTED]>  
**Cc:** "McLaughlin, Steven W" <[swm@ece.gatech.edu](mailto:swm@ece.gatech.edu)>  
**Subject: Re: touching base**

Hi Angelos

I am an optimist too! I hope to be able to have another chat with you in the coming days to talk about next steps and an update on your email back to me. But yes, let's plan a trip for you to come to Atlanta with your family.

Two upcoming items on my calendar – I have my interview for the Dean's position on June 26-27 and I am away on vacation July 4-19. During your visit I'd like to schedule some time with GRA. What does your timing look like?

FYI - the four finalists for Dean were announced yesterday – you can find that info at:  
<http://www.provost.gatech.edu/dean-engineering>

All the very best

Steve

\*\*\*\*\*

Steven W. McLaughlin, Ph.D

Steve W. Chaddick School Chair & Professor

School of Electrical and Computer Engineering

Georgia Institute of Technology

Van Leer Building, Suite 215

777 Atlantic Ave

Atlanta, GA 30332-0250 USA

phone: +1 404-894-4468

personal web page: <http://users.ece.gatech.edu/~swm>

On 6/14/17, 8:35 PM, "Angelos D. Keromytis" <[REDACTED]> wrote:

Hi Steve,

I hope all is well!

I just wanted to touch base after my note from last week, and get a sense of where we are. My daughters' school is out next Friday (June 23), and I was thinking of scheduling a trip to Atlanta sometime after that, at least with my wife (she's never been there, except at the airport). I'm being perhaps presumptuous in assuming that we will have a positive conclusion to our turkey-themed discussion, but that's me — the eternal optimist :)

Best,

-Angelos

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, March 14, 2018 2:56:25 PM

To: Antonakakis, Manos <manos@gatech.edu>; Tejas Patel <tejas@kududyn.com>

Subject: fyi

<https://securelist.com/the-devils-in-the-rich-header/84348/>

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Saturday, March 10, 2018 12:12:28 AM  
To: Antonakakis, Manos <manos@gatech.edu>; tejas@kududyn.com  
Subject: fyi

<https://www.securityweek.com/nsa-used-simple-tools-detect-other-state-actors-hacked-devices>



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Saturday, March 10, 2018 12:12:09 AM  
To: Antonakakis, Manos <manos@gatech.edu>; thpatel@kududyn.com  
Subject: fyi

<https://www.securityweek.com/nsa-used-simple-tools-detect-other-state-actors-hacked-devices>

From: Angelos D. Keromytis <[REDACTED]>

Sent on: Sunday, January 21, 2018 7:08:32 PM

To: Manos Antonakakis <manos@gatech.edu>

Subject: fyi

Attachments: Statement of Purpose Karakatsanis.pdf (260.55 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Sunday, December 10, 2017 8:16:21 PM  
To: [REDACTED]; manos@gatech.edu  
CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: fyi

<https://citizenlab.ca/2017/12/champing-cyberbit-ethiopian-dissidents-targeted-commercial-spyware/>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, October 3, 2017 3:57:03 AM  
To: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
CC: Childs, Nixon P CIV (US <nixon.p.childs.civ@mail.mil>; Wilson, Ryan D CIV (US <ryan.d.wilson38.civ@mail.mil>; Whalen, Daniel J CW2 USARMY CYBER PRO BDE (US <daniel.j.whalen14.mil@mail.mil>; Lucy, David P CW4 USARMY CYBER PRO BDE (US <david.p.lucy.mil@mail.mil>; talarse@nsa.gov; Keromytis, Angelos D CIV DARPA (US <angelos.keromytis@darpa.mil>; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; [REDACTED]; chunt@fbi.gov; wdware@fbi.gov  
Subject: Georgia Tech Enhanced Attribution Meeting 10/04 --- Room Location

Folks, please relay this message to your teams and whoever is planning to attend. Note we still have room for 5 more people.

The meeting will take place at:

Klaus Advance Computing Building, Room 3402.  
Georgia Institute of Technology  
266 Ferst Drive, Atlanta, GA 30332-0765

The room fits 25 people, and from the responses I have received (so far) we should be less than (or about) 20. We will have breakfast starting at 08.00am and (working) lunch will be served at 11.30am. If you plan to drive, you can park here, right besides the School of Physics Building, at the West campus visitor parking:

<https://tinyurl.com/GT-coc-guest-park>

Then you can simply walk to Klaus Advance Computing Building. Our meeting room 3402 will be at the third floor (two doors on the right from my office, room 3364).

Chad/Davey, I know this is a late notice, however, you are more than welcome to attend (if you wish). Michael, can explain more about this tomorrow.

If you need anything, my cell phone is (202) 285-0909. You can call me anytime.

Looking forward hosting you at Georgia Tech and the Astrolavos Lab --- safe travels!

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Paul Vixie <vixie@fsi.io>  
Sent on: Tuesday, November 14, 2017 12:04:35 AM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: gtisc and farsight

manos, thanks again for your time today. as promised, i am following up with the URI needed to request a grant of services from farsight. it is:

<https://www.farsightsecurity.com/grant-access/>

to be clear and to repeat for emphasis, your academic no-fee work at gtisc would qualify for a grant of whatever farsight passive-dns services you or your students may need. this was never contingent on the DHS-funded project we were both part of. we have academic research partners all over the world, and would be proud to count georgia tech among them.

obviously we also hope that your lab will consider running a passive dns sensor, to enrich the services we offer to both our academic and commercial users. this is a matter for your own discretion.

--

P Vixie

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>

Sent on: Wednesday, October 10, 2018 1:21:39 AM

To: Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Achanta, Venkat <Venkat.Achanta@team.neustar>; Joffe, Rodney <Rodney.Joffe@team.neustar>; Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>

CC: Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; Ian Crone <ian.crone@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>

Subject: HACCS --- clarifications and status update

Hey Venkat and Rodney,

I spent some time today at DARPA with Allison and Tom. My understanding is that it could take up to 40 days until GT will be able to receive a portion of the funds for your data. Once that portion is received, GTRI will have to follow their processes (please be proactive and coordinate with Michael about what these processes are) to get the PO out to you.

Despite the fact that Ian (the new PM for the program) and Michael (the GTRI PI) are extremely busy people, I would highly suggest that after the PO has been issued from GTRI, you should have a discussion with them on how the future POs will be scheduled/executed. This will help avoid any confusion, and set expectations right for all parties.

It is advisable to reach out to Tom and Allison on any inquires you may have about the status of future dataset POs for HACCS. While technically Michael has the final authority to issue the PO, Tom and Allison are the ones able to give you a sense (after coordinating with Ian, of course) on when funds will be allocated for future HACCS datasets POs.

Your administrative POC as far as the GTRI/GT team goes for HACCS is Michael not me. Always happy to be consulted about technical issues that surrounds the data but I cannot be, for example, your POC for the POs. Michael is the PI, you should be working directly with him.

Rodney and Venkat. Sorry that this dragged for so long. It appears that we managed to place everything on the right path, so please follow the advise that the DARPA team (Tom, Allison & Ian) and Michael will offer you in the future. This way we can ensure a long and mutual beneficial collaboration between all parties, and we will not have to go through the same issues/miss-understandings ever again.

Many thanks,

—

Manos Antonakakis | manos@gatech.edu

Georgia Institute of Technology

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From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, May 18, 2018 1:45:39 AM  
To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>; Hall, John <John.Hall@team.neustar>  
CC: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: HACCS add on for Neustar

Michael, please work with John to make sure that Neustar gets the add on that we discussed.

John, Michael will be working with Allison (from DARPA) to make everything happen for Neustar. Michael will also navigate the internal GT process on your behalf. Please work with him, as he needs more information from you. Please, follow Michael's lead.

Rodney, GT is closing the fiscal year. This will have to wait until the new fiscal year kicks in (Michael, is this June or July 1st?).

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, July 28, 2018 4:28:56 PM  
To: Lummis, Anant J <jimmy.lummis@security.gatech.edu>; Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>  
Subject: HACCS PI meeting and side talk

Hey Jimmy,

Per our discussion a couple of days ago, can you please swing by my office Monday (anytime that works for you after 13.00) to meet the DARPA and CyberCommand teams?

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>

Sent on: Monday, July 2, 2018 6:28:18 PM

To: perdisci@gtisc.gatech.edu; Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>

CC: Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; Macon, George A <George.Macon@gtri.gatech.edu>

Subject: HACCS Team update: Dr. Perdisci

Folks,

As of today, Dr. Perdisci will be joining my team at GT to help me out for HACCS. After battling the University System of Georgia for almost 6 months, we won and Roberto will join my team at GT for at-least two years. In reality, he will never leave, but this is not the point of this email.

The point of this email is that Roberto will have the same level of access that I have to the cluster and the datasets for both HACCS and EA --- simply because he is part of my team and not GTRI. This is a critical point that I *\*must\** comply with so I will not violate my existing data NDAs. What this means for you? This means that, using the existing level of automation we have in place for EA, Roberto will be able to help you build some case studies that will help promote the HACCS program in the same way we did for the EA program.

Roberto will be the technical POC for HACCS when I am not available (or simply super busy with EA). I will bring him up to speed this week, clarify all SOW tasks, discuss the three case studies you want us to deliver (and all the problems associated with them), and by next week or so, he should be able to ready to take over the technical side of the Gnomon project.

Allison, please invite him to the bi-weekly calls, so Roberto can represent my team in these calls. Also, if you are still using the slack channel, invite him there too.

Final point I would like to clarify. I am not opting out from HACCS. I will be very much involved and I will have weekly discussions about everything with Roberto about the progress against the SOW and the case studies we will conduct under HACCS. This is just a way for me to manage both EA and HACCS without sacrificing the quality and rigor of the produced work.

Roberto shaped me as a young researcher while still a PhD student at GT. I cannot think of a better person to "sub" me until things calms down in EA.

Roberto, welcome to the team, buddy!

Thanks,

—

Manos Antonakakis | manos@gatech.edu

Georgia Institute of Technology

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From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, October 25, 2017 2:13:49 PM  
To: fabian@cs.unc.edu; Angelos D. Keromytis <[REDACTED]>  
Subject: Heads up --- I will need your help

Folks, Raheem will be pushing me for early tenure. What Raheem has communicated to me so far is:

- 5 names directly from you (an additional 5 names which will come from the Chair --- I will be providing this list to Raheem too).
- The external referees should be from peer institutions, Full professors. They should be of recognizable stature (e.g. IEEE Fellows).
- Yes, co-authors can be included (we provide directions to the letter writers if they've written proposals, papers, served on committees... with the candidate - just requires a disclosure).
- I can provide up to 5 names that I want to exclude/conflict out from the process.

What I am thinking so far to include in the 5+5 names is:

1. Fabian
2. A1
3. P1
4. Farnam
5. Virgil
6. Giovanni
7. Engin

(I think that if I ask these first 7 will write good letters --- correct me if you think otherwise since I suspect you have seen letters from them. Now I need three more from the following list --- please let me know if I overlooked anyone else.)

- Feamster
- Stefan (?)
- Christopher (?)
- Vern (?)
- Stolfo (?)

What I am thinking so far to exclude is:

- Mike R.
- Thoston Holz
- Ross Anderson
- Thomas Ristenpart (got in a fight this year at Usenix Sec PC)
- Avi (? --- I am not sure if he is still mad with me not going to JHU)

Would love your feedback on this.

Thanks,

Manos

---

From: Beyah, Raheem A  
Sent: Wednesday, October 25, 2017 8:32:06 AM  
To: Antonakakis, Manos  
Cc: Howard, Ayanna M  
Subject: Re: meeting

Thanks for rubbing in that you'll be at CCS! :)

On Oct 25, 2017, at 8:29 AM, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Happy to, Raheem.

Ayanna, do you have availability this week, or we should plan for sometime next week. Note, I will be attending a conference between Monday and Wednesday next week.

Cheers,

—

Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>>

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Beyah, Raheem A

Sent: Wednesday, October 25, 2017 6:43:28 AM

To: Howard, Ayanna M; Antonakakis, Manos

Subject: meeting

Hi Ayanna and Manos,

Can you two meet before Ayanna leaves her role to discuss the possibility of early promotion/tenure? Thanks!

Raheem

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Thursday, June 22, 2017 12:08:30 AM  
**To:** Patel, Tejas (contr-i2o)<tejas.patel.ctr@darpa.mil>; mikef@kududyn.com; manos@gatech.edu  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Thursday, June 22, 2017 12:08:29 AM  
**Subject:** heh  
**Attachments:** Nameless.txt (484 Bytes)

<https://intel.malwaretech.com/pewpew.html>

Dr Angelos D. Keromytis  
Program Manager, Information Innovation Office (I2O)  
DARPA  
675 N. Randolph Street  
Arlington, VA 22203

(T) 571-218-4290

[Angelos.Keromytis@darpa.mil](mailto:Angelos.Keromytis@darpa.mil)(NIPR)  
[Angelos.Keromytis@darpa.smil.mil](mailto:Angelos.Keromytis@darpa.smil.mil)(SIPR)  
[Angelos.Keromytis@darpa.ic.gov](mailto:Angelos.Keromytis@darpa.ic.gov)(JWICS)

From: Angelos D. Keromytis <[REDACTED]>

Sent on: Friday, March 16, 2018 2:22:21 AM

To: Manos Antonakakis <manos@gatech.edu>

Subject: hmm

Attachments: PGP/MIME Versions Identification (12 Bytes), encrypted.asc (3.26 KB)

**From:** L Jean Camp [REDACTED] >  
**Sent on:** Sunday, March 4, 2018 10:59:53 PM  
**To:** Manos Antonakakis<manos@gatech.edu>; dagon<[REDACTED]>  
**Subject:** if you know anyone in Melbourne

Or Sidney? I am here until April 30.

I wanted to get the hell out of the very angry Midwest and hang out with people are less angry and unarmed. Also, I got to skip a good part of winter!

The whole open carry thing has become such a hemorrhoid on midwestern life: rarely dangerous, constantly annoying, and associated with bloody assholes. **Steve Myers was recruited by Apple. He and Cathy had many reasons but one was just not seeing people at the Kroger openly armed.**

Anyway as always looking for interest and funding for either phishing resilience measures, tools to improve resilience, or tools to mitigate risk.

Prof. L. Jean Camp

<http://www.ljean.com>

Research Gate:[https://www.researchgate.net/profile/L\\_Camp](https://www.researchgate.net/profile/L_Camp)

DBLP:<http://dblp.uni-trier.de/pers/hd/c/Camp:L= Jean>

SSRN:[https://papers.ssrn.com/sol3/cf\\_dev/AbsByAuth.cfm?per\\_id=262477](https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=262477)

Scholar:<https://scholar.google.com/citations?user=wJPGa2IAAAAJ>

Make a Difference

<http://www.ieeeusa.org/policy/govfel/congfel.asp>

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Wednesday, August 16, 2017 9:39:05 PM  
**To:** manos@gatech.edu; mikef@kududyn.com  
**CC:** Patel, Tejas (contr-i2o)<tejas.patel.ctr@darpa.mil>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, August 16, 2017 9:39:05 PM  
**Subject:** interesting article  
**Attachments:** Nameless.txt (193 Bytes)

<https://mobile.nytimes.com/2017/08/16/world/europe/russia-ukraine-malware-hacking-witness.html?>

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Thursday, November 2, 2017 5:45:20 PM  
**To:** manos@gatech.edu  
**CC:** Patel, Tejas (contr-i2o)<tejas.patel.ctr@darpa.mil>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Thursday, November 2, 2017 5:45:20 PM  
**Subject:** interesting article  
**Attachments:** Nameless.txt (243 Bytes)

<https://www.washingtonpost.com/news/the-switch/wp/2017/11/02/what-is-qiwi-and-how-is-it-related-to-russian-election-ads/>



From: Angelos D. Keromytis [REDACTED] >  
Sent on: Sunday, January 21, 2018 2:50:32 AM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: interesting reading

<https://cdn.securelist.com/files/2017/10/Guerrero-Saade-Raiu-VB2017.pdf>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Sunday, April 29, 2018 1:15:56 PM  
To: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; tejas@kududyn.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Interesting talk

[https://www.youtube.com/watch?v=u-j4KP\\_Is1Q](https://www.youtube.com/watch?v=u-j4KP_Is1Q)

Do not agree with all he talked about, but he makes several points that are valid.

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, April 25, 2018 12:50:59 AM  
To: tom@ncfta.net  
CC: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>  
Subject: Introductions and invitation to DARPA EA PI meeting

Hey Tom,

Hope you are doing great!

Allow me to introduce you to the DARPA PM Dr. Angelos Keromytis. Angelos happens to be the PM from one of my projects with focus on attack attribution.

We are having the next PI meeting at Georgia Tech in Atlanta, June 8th. We would be very happy to have you in this meeting, if you want to join us. Angelos can give you more details about what we will be talking about if you ping him on the classified network.

Many thanks!

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Monday, October 29, 2018 5:17:01 PM  
To: rock.a.stevens.mil@mail.mil; Manos Antonakakis <manos@gatech.edu>  
Subject: Introductions

Manos,

Meet MAJ Rock Stevens, stationed in Augusta. He was very interested in the analysis you did back in ~May about the middle eastern botnet and the possibilities for neutralizing it. Chris is on vacation; if you have it handy, could you share it with Rock?

I think you had done some analysis more recently (last week?) at Chris' suggestion?

Rock, Manos is the PI for the Georgia Tech EA project and technical lead/co-PI on their HACCS project.

Best,

-Angelos

From: Antonakakis, Manos <manos@gatech.edu>

Sent on: Friday, April 13, 2018 4:03:14 PM

To: [REDACTED]

CC: Rodney Joffe <rjoffe@centergate.com>

Subject: Intros

Scott please meet Rodney. Rodney, please meet Scott. You two are local, and I think you should get together for lunch or dinner.

Thanks, Manos

---

Typos due to mobile device ...

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, May 17, 2018 10:03:18 PM  
To: Matt.Carothers@cox.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
CC: Smith, Jonathan <jonathan.smith@darpa.mil>; Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>  
Subject: Invitation to the upcoming EA PI meeting

Hey Matt,

Per our recent discussion around our attribution work in EA, you are invited to attend the next PI meeting in Atlanta (06/08/2018). The meeting will take place in GTRI's facilities (14th Street) --- more information will be shared as we get closer to June 8th.

Many thanks to the PM team, Dr. Smith and Dr. Keromytis, for granting this invitation.

Please work with Chris to finalize any other information that are necessary for you to attend this meeting.

Many thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Thursday, September 21, 2017 8:56:56 PM  
To: manos@gatech.edu  
CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: it would be good...

...to get me whatever stuff you have for Case 2 (SB) by tomorrow noon...I'll be meeting those guys in the afternoon.  
-Angelos

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Wednesday, January 10, 2018 9:44:28 PM  
To: manos@gatech.edu  
CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: just for giggles

This:

<http://google.com-us3-war2.win-cool-prizes-today.bid/>

Was the target of a malvertisement redirect on NYTimes today! :)

Dr Angelos D. Keromytis  
Program Manager, Information Innovation Office (I2O)  
DARPA  
675 N. Randolph Street  
Arlington, VA 22203

(T) 571-218-4290

Angelos.Keromytis@darpa.mil <mailto:Angelos.Keromytis@darpa.mil> (NIPR)  
Angelos.Keromytis@darpa.smil.mil <mailto:Angelos.Keromytis@darpa.smil.mil> (SIPR)  
Angelos.Keromytis@darpa.ic.gov <mailto:Angelos.Keromytis@darpa.ic.gov> (JWICS)



From: Angelos D. Keromytis <angelos@keromytis.com>  
Sent on: Sunday, January 28, 2018 12:54:30 AM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: just fyi

I'm sure you've tightened everything down, but whatever. You can fast-forward to minute 48 for recommendations:

<https://youtu.be/xxOnWdfmAEc>

<https://github.com/wavestone-cdt/hadoop-attack-library>

-Angelos

From: Angelos D. Keromytis <[REDACTED]>  
Sent on: Wednesday, March 21, 2018 3:04:26 AM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: kai aloga...

<https://www.npr.org/2018/03/19/594839304/escaped-horses-clog-traffic-in-metro-atlanta?sc=tw>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, September 25, 2017 3:54:08 AM  
To: Joffe, Rodney <Rodney.Joffe@team.neustar>  
CC: rjoffe@centergate.com  
Subject: Letter for HACCS  
Attachments: Clarification\_quote\_Neustar.doc (35.5 KB)

Rodney, per our discussion please find the letter attached. I think you can use this a good first draft and build upon it.

What I would like is the final version of this letter alongside a quote for your data.

Cheers,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, May 2, 2018 3:40:42 AM  
To: Smith, Jonathan <jonathan.smith@darpa.mil>; Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>  
CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Local FBI request

Gents, we received a request from the local FBI office to help them with attribution in a case they are working on. Do not have the full details yet (loCs, etc.), but I would like to help them out if the request is not something extreme.

Please let me know if you object to this.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Friday, December 15, 2017 7:33:13 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: meeting and stuff

Mano,  
The meeting is being scheduled for February 2 --- I \*assume\* Michael is the one on your side that is talking to Scott and doing the planning.

On a different note, it may be worth having a student look at a malware/botnet that some folks in industry have named ExploderBot.  
-Angelos

From: Manos Antonakakis <manos@gatech.edu>

Sent on: Tuesday, August 14, 2018 4:31:44 PM

To: darin j <[REDACTED]>

CC: brandon@diux.mil; [REDACTED] Scott Taylor <[REDACTED]>;  
angelos.keromytis@darpa.mil

Subject: <no subject>

christopher.schneck.ctr@darpa.mil, jonathan.smith@darpa.mil

Bcc: manos@gatech.edu

Subject: Re: Questions re last visit

Reply-To:

In-Reply-To: [REDACTED] >

Hey Darin,

Thank you for your message. We have been instructed by DARPA to work on other active and very pressing cases. Please work with the PM team to slot this request into our queue.

Again, I would like to thank you for taking a trip down to GT. My lab and my team will always be here for you guys!

Thanks,

--

Manos Antonakakis | manos@gatech.edu

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Monday, July 23, 2018 11:15:37 PM

To: Manos Antonakakis <manos@gatech.edu>; perdisci@gtisc.gatech.edu; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Michael.Farrell@gtri.gatech.edu

Subject: Monday site visit

What's the specific location for the HACCS meeting?

From: Rodney Joffe <rodney.joffe@team.neustar>  
Sent on: Tuesday, February 12, 2019 2:06:14 AM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: Neustar Executive Visit to PI meeting March 8th  
Attachments: signature.asc (242 Bytes)

Hello Manos,

As you know Neustar has been very involved in developing and improving our ability to provide capabilities and resources for you based on the apparent success of your EA and HACCS programs, using our data.

As a result, I wonder if it would be possible for me, our CEO Charlie Gottdiener, Venkat Achanta, our Chief Data Officer, and Adm. (Ret) Mike Mullen (past Chairman of the Joint Chiefs) who is a board director of our data subsidiary to visit you during the PI day on March 8th?

I think it would be extremely beneficial for my colleagues to see and understand the impact of our efforts, and to realize just how much of a difference we can make to the country's National Security efforts through GA Tech.

They all obviously understand the sensitivity of the PI briefing and meeting, and would respect and sign whatever attendee documents are required of other sub-contractors on your program.

Respectfully

Rodney

=====  
Rodney Joffe  
SVP, Senior Technologist, and Fellow  
National Security Executive  
Neustar, Inc.  
21575 Ridgetop Circle  
Sterling VA 20166  
USA  
+1 202-533-2900 Direct  
+1 602-418-6471 Cell  
rodney.joffe@team.neustar



**From:** "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
**Sent on:** Friday, March 12, 2021 12:43:53 AM  
**To:** Kline, Allison<allison.kline@darpa.mil>; Rodney Joffe<rodney.joffe@team.neustar>  
**CC:** Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>  
**Subject:** New DARPA EA PM

Hey Rodney,

Allow me to re-introduce to Allison, who is the new EA PM. I think it would be a great idea for the two of you to get on a call and catch up about the status of things.

Thanks,

—

Manos Antonakakis, Ph.D. | manos@gatech.edu  
College of Engineering Dean's Professorship Chair and Associate Professor  
Co-Director Center for Cyber Operations Enquiry and Unconventional Sensing (COEUS)  
School of Electrical and Computer Engineering | Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, January 28, 2020 9:01:26 PM  
To: Rodney Joffe <rodney.joffe@team.neustar>; Neal, Alexander G <agneal7@gatech.edu>  
CC: Rodney Joffe <rjoffe@centergate.com>  
Subject: NSR data transfer issues

Hey Rodney,

Circled back with my team and it appears that we had some problems with the last few shipments of data from NSR. We do not have any storage problems from our end, so what I would suggest we do is put Alex (CCed) in touch with someone in your team to both: fix the issues we have with the drives you sent to us but also speed up the process (so we can get the remaining data faster).

While I do not think there is a call necessary, happy to jump on a call if you want me to.

Thanks,

—

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, August 22, 2017 7:07:56 PM  
To: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Patel, Tejas H CTR (US) <tejas.patel.ctr@darpa.mil>  
Subject: On site visit update

Folks, if you are willing to have a working breakfast (starting at 8.30am), and a to-go lunch boxes, we can have the update in 4 hours, instead of 8. I know you are busy so every hour counts.

Up to you.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>

Sent on: Thursday, August 23, 2018 6:18:00 PM

To: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>

CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; tejas@kududyn.com

Subject: Operation AppleJeus: Lazarus hits cryptocurrency exchange with fake installer and macOS malware

<https://securelist.com/operation-applejeus/87553/>

—

Manos Antonakakis | manos@gatech.edu

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Paul Vixie <vixie@fsi.io>

Sent on: Thursday, November 9, 2017 11:41:43 PM

To: Manos Antonakakis <manos@gatech.edu>

Subject: ping

i'm in atlanta tonight, having dinner with dagon.

it made me remember that i owe you several apologies, for farsight's insensitivity and rudeness when we were commercializing DNSDB and SIE.

i would like to have an opportunity to hear your grievances against us and answer them. even if it does not result in us working together, i feel a need to clear the air.

--

P Vixie

From: Rodney Joffe <rjoffe@centergate.com>

Sent on: Wednesday, June 6, 2018 9:16:16 PM

To: David Dagon [REDACTED]; David Dagon <dagon@cc.gatech.edu>

Subject: Please call me asap..

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Thursday, January 4, 2018 7:49:05 PM  
**To:** mikef@kududyn.com; manos@gatech.edu  
**CC:** Patel, Tejas (contr-i2o)<tejas.patel.ctr@darpa.mil>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Thursday, January 4, 2018 7:48:57 PM  
**Subject:** probably useful in the near future  
**Attachments:** Nameless.txt (207 Bytes)

<https://carnegieendowment.org/2018/01/04/iran-s-cyber-threat-espionage-sabotage-and-revenges-pub-75134>

From: Rodney Joffe <rodney.joffe@team.neustar>

Sent on: Thursday, August 3, 2017 6:04:35 PM

To: Ryan McGavran <Ryan.McGavran@team.neustar>; Manos Antonakakis <manos@gatech.edu>

Subject: Project agreement

Ryan and Manos,

Meet each other.

Ryan, Manos is the GA Tech professor who is leading the Active DNS project at GA Tech,  
Manos, Ryan is VP of Data strategy at Neustar, and has kindly volunteered to shepherd an agreement with you for the AWS/Azure compute for the project.

Over to you two



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, November 2, 2017 3:40:04 PM

To: manos@gatech.edu

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, November 2, 2017 3:40:00 PM

Subject: quick call

Attachments: Nameless.txt (32 Bytes)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, January 31, 2018 5:13:02 PM  
To: Angelos D. Keromytis <[REDACTED]>  
Subject: Fw: Daniel

Angele please tell Jonathan that Alenka kill this case internally. The reason was that he works too close to her area (?!?).

My apologies, but I tried.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Jonathan M. Smith <jms@cis.upenn.edu>  
Sent: Monday, January 29, 2018 2:59 PM  
To: Antonakakis, Manos  
Subject: Daniel

<https://www.cis.upenn.edu/~danielg3/>

-JMS

Jonathan M. Smith  
Pompa Professor, Professor of CIS  
University of Pennsylvania  
Philadelphia, PA 19104

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, November 13, 2017 12:26:51 PM  
To: Joffe, Rodney <Rodney.Joffe@team.neustar>; Rodney Joffe <rodney.joffe@neustar.biz>  
Subject: Fw: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017  
Attachments: DARPA104.pdf (625.72 KB), DARPA60.pdf (636.01 KB)

Rodney, please note the new registration process you have to go through in order to attend the meeting. Let me know if you want to be there.

Cheers,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Monday, November 13, 2017 7:25 AM  
To: fabian@cs.unc.edu; [REDACTED]; Farrell, Michael D; Demar, Jeremy; perdisci@cs.uga.edu; Ahamad, Mustaque; Blough, Douglas M  
Subject: Fw: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017

Folks, please see inline -- the registration process has changed. Let me know if you can make this meeting.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Sent: Thursday, November 9, 2017 1:18 PM  
To: Maddern, Thomas (contr-i2o); Patel, Tejas (contr-i2o)  
Cc: [REDACTED]; Antonakakis, Manos; Robert Wright; Neil Costigan; Scott Tenaglia; Vince Urias; Stephen Schwab; Ben Radford  
Subject: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017

All:

The registration process for this PI meeting will be different from previous ones. Rather than going through a registration website, we're requesting that each PI respond to Tom Maddern (thomas.maddern.ctr@darpa.mil) with the names, organizations, and countries of citizenship for each of your team members planning on attending. Please provide this information by COB Monday, November 27th.

Each individual attending will need to bring a completed DARPA Form 104 (attached) along with a government issued ID to the meeting. Non-US citizens will need to submit a DARPA Form 60 (attached) in advance.

Due to a recent DARPA policy change, we are no longer permitted to collect registration fees for covering expenses associated providing with food and beverages at PI meetings. Instead, as shown in the agenda, time will be allowed for lunch and other refreshments to be purchased individually at one of the many local restaurants near DARPA or in the café near the building lobby.

Any questions or concerns you may have about this meeting can be directed to both Tom and myself.

Regards,

Tejas Patel

Systems Engineering and Technical Assistance

DARPA I2O

work: +1 571-218-4936

blackberry: +1 571-239-5912

NIPR: tejas.patel.ctr@arpa.mil

SIPR: tejas.patel.ctr@arpa.smil.mil

JWICS: tejas.patel.ctr@arpa.ic.gov

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, August 1, 2017 6:27:36 PM  
To: Angelos D. Keromytis <[REDACTED]>  
Subject: Fw: From Provost Rafael Bras - New Dean for CoE Announced

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Manos Antonakakis | manos@gatech.edu  
FF7D 4DFD 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: coe-faculty-announce-request@lists.gatech.edu <coe-faculty-announce-request@lists.gatech.edu> on behalf of Kinard, L K <kay.kinard@coe.gatech.edu>  
Sent: Tuesday, August 1, 2017 1:01 PM  
Subject: [coe-faculty-announce] From Provost Rafael Bras - New Dean for CoE Announced

Dear Colleagues,

I am very pleased to announce that Steven W. McLaughlin, Steve Chaddick School Chair and professor, School of Electrical and Computer Engineering (ECE) has accepted our offer to become the next dean of the College of Engineering. The appointment will become effective Sept. 15.

As you know, Steve has served Georgia Tech for more than 20 years, and in that time, has provided steadfast leadership in a variety of roles. His service includes spearheading the Institute's international initiatives as vice provost, fostering a shared vision for our entrepreneurial programs as the co-founder of CREATE-X, and serving as a distinguished member and school chair of the ECE faculty.

A general announcement with additional detail will be sent to campus tomorrow via the Daily Digest, but given your role in the search, I wanted to give each of you some advance notice. I appreciate your discretion with this information until the public announcement is made.

Searches and transitions of this nature can certainly be grueling and we were successful because of the dedication of many individuals. First, let me thank Larry Jacobs for his leadership as interim dean. I'd also like to thank Julia Kubanek, search committee chair; Jennifer Herazy, search director; Mary Thomas, support staff of the search effort; and our dedicated selection committee and advisory group for their diligent work. Thank you, too, to the entire College of Engineering community for your engagement.

This is an exciting time for Georgia Tech, and I look forward to working with Steve as he assumes the role of dean.

Regards,  
Rafael L. Bras

Sent on behalf of the Provost by:  
Kay Kinard  
Director of Communications  
College of Engineering

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, March 9, 2018 12:13:40 PM  
To: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Tejas Patel <[REDACTED]>  
Subject: Fw: Fully Funded - Prospective PhD CS Applicant (UNCLASSIFIED)

Does the name ring any bells?

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Wenke Lee <[REDACTED]>  
Sent: Thursday, March 8, 2018 10:17 PM  
To: Fuller, Jonathan D CPT USARMY ISEC (US)  
Cc: Kim, Taesoo; Antonakakis, Manos; Ndongi, Elizabeth N; Saltaformaggio, Brendan D  
Subject: Re: Fully Funded - Prospective PhD CS Applicant (UNCLASSIFIED)

Hi Jonathan,

Thank you for your interests in Georgia Tech! I'd be happy to talk to you, and Elizabeth can help schedule for us. I also suggest you to talk to Prof. Kim, Prof. Antonakakis, and Prof. Saltaformaggio (cc'd here). Thanks.

Wenke

On Thu, Mar 8, 2018 at 10:50 AM, Fuller, Jonathan D CPT USARMY ISEC (US) <jonathan.d.fuller.mil@mail.mil> wrote:

CLASSIFICATION: UNCLASSIFIED

Professor Lee,

I am a military service member that was recently award a fellowship allowing me to pursue a PhD in Computer Science on a full time, fully funded basis (3 year completion time) starting Fall 2019. I have an MS in Computer Science and my thesis research focused on investigating a relatively new IoT protocol resulting in several publications. Although my previous research is not specifically related to your current research, my broader interests in networking and security brought me to the IIPS page. Particularly, I am interested in Embedasploit and ROKI but am open to the various other research areas the IIPS provides. Given previous success of military personnel completing a CS PhD in 3 years a GT and the research conducted by the IIPS, I am more convinced of my desire to attend. I was hoping you would be available to discuss potential advising options if accepted and the feasibility of your support to complete in 3 years. Any help you can provide would be greatly appreciated.

V/R,

Jonathan Fuller

Captain, US Army

Jonathan.d.fuller.mil@mail.mil <mailto:Jonathan.d.fuller.mil@mail.mil>



CLASSIFICATION: UNCLASSIFIED

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, May 4, 2018 2:49:41 PM  
To: Patel, Tejas H CTR (US) <tejas.patel.ctr@darpa.mil>; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>  
CC: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Fw: Georgia Tech Global Learning Center (GLC)/Hackathon

OK, Gents. We did some digging around and we found this great deal inline. \$5100 for room, food, coffee, etc, for 4 days.

This is located adjacent to the GT hotel. So, if you want to host the hackathon the week after the PI meeting, it can be done and it can be done relatively cheaply.

The only problem I have with this is that I have to spend money from my foundation account. As JMS and Aneghos can testify, foundation accounts are kind of priceless. However, if this will help the TA2 transition and the synergy around the entire problem, I would be happy to eat this bill.

Angelos, JMS, Tejas; your thoughts please? We have to move fast so we can secure the place for this event. If we end up with a "yes, lets do it", I will need Chris to work with Michael M. in organizing this (invitations, logistics, etc.).

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Mitchell, Michael F  
Sent: Friday, May 4, 2018 9:36 AM  
To: Antonakakis, Manos  
Subject: FW: Georgia Tech Global Learning Center (GLC)/Hackathon

Hey Manos,

I spoke with our planning and events person for ECE about the Hackathon event per our conversation. She reached out to the Global Learning Center to get an estimate on what they charge for things. They responded fairly quickly with a cost of \$85 per day which includes the room, a buffet lunch, continental breakfast (with 1 Hot item) and a continuous snack/food break service from 7pm to 5 pm which I believe includes self serve coffee, but I will need to verify to be sure.

For 15 people per our meeting it would cost about \$5100. You currently have about 18,000 in the foundation account currently. If this is something you want to do I think this is probably the best/easiest way to do it. Since the week before June 9th seems to be filling up with activities, I think the week after would be best.

Let me know what you want to do.

Michael

From: Oliva, Joanna  
Sent: Wednesday, May 2, 2018 6:05 PM  
To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
Subject: Fw: Georgia Tech Global Learning Center (GLC)/Hackathon

Hey Michael,



Please see the quote below from the GLC! Let me know if you would like to move forward or have any questions.

Joanna Oliva  
Event Coordinator  
School of Electrical and Computer Engineering  
Phone: 404.894.9827  
Email: joanna.oliva@ece.gatech.edu<mailto:joanna.oliva@ece.gatech.edu>

---

From: Clement, Crystal D  
Sent: Wednesday, May 2, 2018 4:43:41 PM  
To: Oliva, Joanna  
Subject: Georgia Tech Global Learning Center (GLC)/Hackathon

Hi Joanna,

I received your information about the event in June. I do have availability for both sets of dates. Below is the pricing on a per person basis. Please review and let me know if you have any questions or need anything else from me. We would love to host!

\$85 per person, per day with PeopleSoft #

Full Day Meeting Package with Lunch includes:

- Meeting space – general session room
- Premium Tech AV Package[1] with on-site support
- Buffet Lunch
- BuzzBreak – our continuous food break service provided throughout the duration of your program (7am – 5pm), including a full continental breakfast with one hot item
- Complimentary shuttle service from MARTA station (4 blocks)
- 

Audio visual equipment included in the above package:

Premium Tech AV package includes ceiling mounted LCD projector, built in screens, document camera, lectern with control system touch panel, built in VCR, and laptop connectivity. There will be an hourly charge for set up, personnel, and/or equipment beyond the Premium Tech AV package.

1st or 3rd floor breakout rooms are \$500 per breakout, per day.

Exhibitor Package:

\$75 per exhibit table, per day

6 ft banquet table

Black stretchy linen

Power cord and outlet strip

Chair

Trash can

Thanks!

Crystal Clement

Sales Manager

Georgia Tech Global Learning Center

84 5th St. NW, Atlanta, GA 30308-1031

404-385-1690 | [crystal.clement@pe.gatech.edu](mailto:crystal.clement@pe.gatech.edu) <mailto:crystal.clement@pe.gatech.edu>

LinkedIn <<http://www.linkedin.com/company/georgia-tech-global-learning-center>> |  
[www.gatechcenter.com](http://www.gatechcenter.com) <<http://www.gatechcenter.com/>>

---

[1] Premium Tech AV Package includes: Ceiling mounted LCD projector, built in screens, document camera, lectern with control system touch panel, built in VCR, and laptop connectivity.

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, August 14, 2018 6:59:37 PM  
To: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>  
Subject: Fw: Important D60: DARPA's 60th Anniversary Symposium Cybersecurity Information

This is just too funny.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Kintis, Panagiotis  
Sent: Tuesday, August 14, 2018 1:56 PM  
To: Antonakakis, Manos  
Subject: Fwd: Important D60: DARPA's 60th Anniversary Symposium Cybersecurity Information

Panagiotis (Panos), Kintis.  
<http://about.me/kintis>

kintis@gatech.edu <<mailto:kintis@gatech.edu>>  
panagiotious@gmail.com <<mailto:panagiotious@gmail.com>>  
P Think before you print!

Begin forwarded message:

From: DARPA60 <DARPA60@darpa.mil<<mailto:DARPA60@darpa.mil>>>  
Subject: Important D60: DARPA's 60th Anniversary Symposium Cybersecurity Information  
Date: July 20, 2018 at 11:45:52 EDT  
Cc: DARPA60 <DARPA60@darpa.mil<<mailto:DARPA60@darpa.mil>>>

All,

Unfortunately hackers are using our DARPA 60th event to target the DoD and others with phishing emails and malware. If you receive an email or have already received one from 60thDARPA[.]net, do not open it and definitely do not click on any attachments or links in emails from this sender.

The only legitimate emails related to our DARPA event will come from our official DARPA60@darpa.mil <<mailto:DARPA60@darpa.mil>> address or when registering you will receive an automated response from event\_registration@bah.com <[mailto:event\\_registration@bah.com](mailto:event_registration@bah.com)>.

Despite this unfortunate incident, we are looking forward to seeing you at D60 in September and if you have any questions about this incident or the event, please contact us at DARPA60@darpa.mil <<mailto:DARPA60@darpa.mil>>.

Sincerely,  
DARPA60

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, March 15, 2018 3:37:15 PM  
To: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Fw: Interview with Niloofar Howe

Anything I need to know about this?

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Antonakakis, Manos  
Sent: Thursday, March 15, 2018 10:36 AM  
To: Riley, Theresa  
Cc: Achanta, Venkat  
Subject: Re: Interview with Niloofar Howe

Theresa, I can only do Friday April 6th between 10-12. This has to be a video call of some sort.

Many thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Riley, Theresa <Theresa.Riley@team.neustar>  
Sent: Wednesday, March 14, 2018 1:48:25 PM  
To: Antonakakis, Manos  
Cc: Achanta, Venkat  
Subject: Interview with Niloofar Howe

Good afternoon Manos. My name is Theresa Riley, and I am Venkat Achanta's assistant at Neustar. I have been asked to reach out to you for availability to speak with Niloo and discuss Neustar's presence in the security space. The candidate's name is Niloofar (goes by Niloo) Howe. Lisa Hook may have already spoken to you about this person.

Here are some dates/times that I was given by Niloo's office – all times listed are Eastern. Please let me know all dates/times that would work for your schedule and I will get back to you with a confirmation. The preference would be for this to be a video conference.

I have attached her resume to this e-mail.

Thank you,  
Theresa  
(571) 434-5512

Tuesday (March 20th)  
11:00 to 2:30

Monday (April 2nd)

10:00 to 2:30

Wednesday (April 4th)

10:00 to 2:30

Thursday (April 5th)

10:00 to 11:00 AM

12:30 to 2:30 PM

Friday (April 6th)

10:00 to 1:30 PM

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, November 8, 2017 7:53:35 PM  
To: Joffe, Rodney <Rodney.Joffe@team.neustar>  
CC: Rodney Joffe <rodney.joffe@neustar.biz>  
Subject: Fw: Notification HR001117S0051-HACCS-FP-029  
Attachments: Letter 029.pdf (373.62 KB)

Great news Rodney, we got the official notification that we won HACCS! Please relay the news internally to your team.

Cheers,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: HACCS <haccs@darpa.mil>  
Sent: Wednesday, November 8, 2017 12:31 PM  
To: Antonakakis, Manos; Farrell, Michael D  
Cc: HACCS  
Subject: Notification HR001117S0051-HACCS-FP-029

Dear Proposer,

Please see the attached file regarding your proposal submission (HR001117S0051-HACCS-FP-029) that was submitted to the Harnessing Autonomy for Countering Cyberadversary Systems (HACCS) solicitation.

Regards,

DARPA/I2O

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, March 27, 2018 2:53:45 AM  
To: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Fw: Resume  
Attachments: [REDACTED]\_resume3.pdf (181.99 KB)

If you are looking for a threat researcher, she is a young one that has the potential to grow. She is very close to be done with her undergrad at GT and she is looking for a full time position.

We can talk more if you like her resume.

Again, key point; she is young, but has the potential to grow into something good.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: [REDACTED]  
Sent: Monday, March 26, 2018 8:02 PM  
To: Antonakakis, Manos  
Subject: Resume

Manos,

As we discussed, here's my resume.

Thanks!

[REDACTED]

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, August 21, 2017 10:51:40 PM  
To: Angelos D. Keromytis [REDACTED] >  
Subject: Fw: Sal Stolfo visit

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Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Lee, Wenke  
Sent: Monday, August 21, 2017 5:46 PM  
To: Ahamad, Mustaque; Orso, Alessandro; Antonakakis, Manos; Fortnow, Lance J  
Subject: Sal Stolfo visit

Hi Mustaque, Alex, Lance, and Manos,

Sal will be here 9/18-20 for RAID and he likes to visit, e.g., gives a talk and talks to folks. Can we have a SCS seminar? Just so you know, he wants to move and he is exploring and giving talks at a few places.

Best wishes,

Wenke



From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, October 26, 2017 3:32:10 AM  
To: fabian@cs.unc.edu; mdbailey@illinois.edu; Angelos D. Keromytis <[REDACTED]>  
Subject: Fw: VMware Systems Research Award: Request for Nominations - Due November 3

Folks, can I count on your recommendations for this award? Will be buying drinks next time we meet.

Cheers,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Beyah, Raheem A  
Sent: Wednesday, October 25, 2017 6:53 PM  
To: Antonakakis, Manos  
Cc: Romberg, Justin; Howard, Ayanna M  
Subject: Fwd: VMware Systems Research Award: Request for Nominations - Due November 3

Manos,

We'd like to nominate you for this. Doesn't seem like a heavy lift. Interested?

thx!

Raheem

—  
Nomination process:

- \* Nominations may be submitted by the department chair (one per department chair).
- \* Each submission should include a proposed citation of at most 20 words, contact information for three references, and a one-page summary statement concerning the originality, impact, and future potential of the nominee's research.
- \* Nominations must be submitted via email to [sysaward@vmware.com](mailto:sysaward@vmware.com) <<mailto:sysaward@vmware.com>>

Begin forwarded message:

From: "McLaughlin, Steven W" <swm@coe.gatech.edu<mailto:swm@coe.gatech.edu>>  
Subject: Fwd: VMware Systems Research Award: Request for Nominations  
Date: October 25, 2017 at 5:48:10 PM EDT  
To: "Beyah, Raheem A" <rbeyah@ece.gatech.edu<mailto:rbeyah@ece.gatech.edu>>, "Romberg, Justin" <jrom@ece.gatech.edu<mailto:jrom@ece.gatech.edu>>

Fyi - assume you will send out

Get Outlook for iOS <<https://aka.ms/o0ukef>>

---

From: Chris Ramming <chrisramming@vmware.com<mailto:chrisramming@vmware.com>>  
Sent: Wednesday, October 25, 2017 5:24:17 PM  
To: McLaughlin, Steven W

Subject: RE: VMware Systems Research Award: Request for Nominations

Dear Prof. McLaughlin,

In the event you and your colleagues are considering a nomination, may I offer a respectful reminder that the deadline is November 3 next week?

Sincerely,

Chris

From: Chris Ramming

Sent: Wednesday, September 27, 2017 2:22 PM

To: 'swm@ece.gatech.edu <mailto:swm@ece.gatech.edu>' <swm@ece.gatech.edu <mailto:swm@ece.gatech.edu>>

Subject: VMware Systems Research Award: Request for Nominations

Dear Prof. McLaughlin,

In 2016 we initiated a new annual award that celebrates an exceptional early-career faculty member conducting computer science systems research. The award provides USD \$100,000 in support of his/her research. Eligible faculty are those within five years of their first tenure-track appointment. For full details of the award please visit

<http://www.vmware.com/company/sysaward.html>. In 2016, this award went to Professor Matei Zaharia <

<https://www.vmware.com/radius/systems-research-award-2016/>> of Stanford University.

We are pleased to open the nomination window for 2017 and request nominations by November 3, 2017. Nominations are limited to one per department chair (or equivalent).

VMware traces its roots to academic research, and we feel a special responsibility to support the growth and vitality of this important community. We hope you and your colleagues will consider nominating someone whose early-career systems research you believe most role-models originality, impact, and future promise.

For questions, or to submit a nomination, please email [sysaward@vmware.com](mailto:sysaward@vmware.com) <<mailto:sysaward@vmware.com>>.

Sincerely,

Chris

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Sunday, October 29, 2017 5:56:58 PM  
To: fabian@cs.unc.edu; Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; perdisci@cs.uga.edu  
Subject: Fw: VMware Systems Research Award: Request for Nominations - Due November 3  
Attachments: ManosAntonakakis.pdf (48.77 KB)

FYI- Gents. Thanks for taking time to write the letter for me. What I am pushing here is the reputation system I build back in the day. For its time it was the first dynamic reputation system for Internet DNS infrastructure.

Not sure when/if they will reach out.

Cheers,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Antonakakis, Manos  
Sent: Sunday, October 29, 2017 12:53 PM  
To: Beyah, Raheem A  
Cc: Romberg, Justin; Howard, Ayanna M  
Subject: Re: VMware Systems Research Award: Request for Nominations - Due November 3

Hey Raheem,

You need the following from me:

- 1) A proposed citation of at most 20 words
  - Antonakakis, Perdisci, Dagon, Lee and Feamster. "Building a Dynamic Reputation System for DNS", In the 19th USENIX Security Symposium.
- 2) Contact information for three references:
  - Dr. Fabian Monrose, Kenan Distinguished Professor in the Computer Science department at the University of North Carolina at Chapel Hill, fabian@cs.unc.edu
  - Dr. Angelos Keromytis, DARPA Manager and Associate Professor Department of Computer Science, Columbia University, New York, angelos.keromytis@darpa.mil
  - Dr. Roberto Perdisci, Associate Professor, Department of Computer Science, University of Georgia, perdisci@cs.uga.edu
- 3) A one-page summary statement concerning the originality, impact, and future potential of the nominee's research.
  - Attached.

Please let me know if you need anything more.

Cheers,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Beyah, Raheem A  
Sent: Friday, October 27, 2017 4:26:14 PM  
To: Antonakakis, Manos

Cc: Romberg, Justin; Howard, Ayanna M

Subject: Re: VMware Systems Research Award: Request for Nominations - Due November 3

Yup. Thx.

On Oct 25, 2017, at 10:25 PM, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Happy to apply Raheem. I should be able to have everything ready before I fly out for CCS on Monday morning. Would that work?

Cheers,

—

Manos Antonakakis | manos@gatech.edu<<mailto:manos@gatech.edu>>

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Beyah, Raheem A

Sent: Wednesday, October 25, 2017 6:53:43 PM

To: Antonakakis, Manos

Cc: Romberg, Justin; Howard, Ayanna M

Subject: Fwd: VMware Systems Research Award: Request for Nominations - Due November 3

Manos,

We'd like to nominate you for this. Doesn't seem like a heavy lift. Interested?

thx!

Raheem

—

Nomination process:

\* Nominations may be submitted by the department chair (one per department chair).

\* Each submission should include a proposed citation of at most 20 words, contact information for three references, and a one-page summary statement concerning the originality, impact, and future potential of the nominee's research.

\* Nominations must be submitted via email to [sysaward@vmware.com](mailto:sysaward@vmware.com) <

<mailto:sysaward@vmware.com>> <<mailto:sysaward@vmware.com>>

Begin forwarded message:

From: "McLaughlin, Steven W" <[swm@coe.gatech.edu](mailto:swm@coe.gatech.edu)<<mailto:swm@coe.gatech.edu>> <<mailto:swm@coe.gatech.edu>>>

Subject: Fwd: VMware Systems Research Award: Request for Nominations

Date: October 25, 2017 at 5:48:10 PM EDT

To: "Beyah, Raheem A" <[rbeyah@ece.gatech.edu](mailto:rbeyah@ece.gatech.edu)<<mailto:rbeyah@ece.gatech.edu>> <<mailto:rbeyah@ece.gatech.edu>>>

"Romberg, Justin" <[jrom@ece.gatech.edu](mailto:jrom@ece.gatech.edu)<<mailto:jrom@ece.gatech.edu>> <<mailto:jrom@ece.gatech.edu>>>

Fyi - assume you will send out

Get Outlook for iOS <<https://aka.ms/o0ukef>>

---

From: Chris Ramming

<[chrisramming@vmware.com](mailto:chrisramming@vmware.com)<<mailto:chrisramming@vmware.com>> <<mailto:chrisramming@vmware.com>>>

Sent: Wednesday, October 25, 2017 5:24:17 PM  
To: McLaughlin, Steven W  
Subject: RE: VMware Systems Research Award: Request for Nominations

Dear Prof. McLaughlin,

In the event you and your colleagues are considering a nomination, may I offer a respectful reminder that the deadline is November 3 next week?

Sincerely,  
Chris

From: Chris Ramming  
Sent: Wednesday, September 27, 2017 2:22 PM  
To: 'swm@ece.gatech.edu <mailto:swm@ece.gatech.edu>' <mailto:swm@ece.gatech.edu>  
<swm@ece.gatech.edu <mailto:swm@ece.gatech.edu> <mailto:swm@ece.gatech.edu> >  
Subject: VMware Systems Research Award: Request for Nominations

Dear Prof. McLaughlin,

In 2016 we initiated a new annual award that celebrates an exceptional early-career faculty member conducting computer science systems research. The award provides USD \$100,000 in support of his/her research. Eligible faculty are those within five years of their first tenure-track appointment. For full details of the award please visit <http://www.vmware.com/company/sysaward.html>. In 2016, this award went to Professor Matei Zaharia <<https://www.vmware.com/radius/systems-research-award-2016/>> of Stanford University.

We are pleased to open the nomination window for 2017 and request nominations by November 3, 2017. Nominations are limited to one per department chair (or equivalent).

VMware traces its roots to academic research, and we feel a special responsibility to support the growth and vitality of this important community. We hope you and your colleagues will consider nominating someone whose early-career systems research you believe most role-models originality, impact, and future promise.

For questions, or to submit a nomination, please email [sysaward@vmware.com](mailto:sysaward@vmware.com) <<mailto:sysaward@vmware.com>> <<mailto:sysaward@vmware.com>>.

Sincerely,

Chris

**From:** Rodney Joffe<rjoffe@centergate.com>  
**Sent on:** Monday, September 17, 2018 10:01:27 AM  
**To:** Manos Antonakakis<manos@gatech.edu>  
**Subject:** Fwd: [cw general] Change of Affiliation

One of yours?

Useful?

Begin forwarded message:

**From:** Paul Pearce <[pearce@cs.berkeley.edu](mailto:pearce@cs.berkeley.edu)>  
**Subject:** [cw general] Change of Affiliation  
**Date:** September 15, 2018 at 3:04:12 PM EDT  
**To:** "~~~~ CrimeWare ~~~~" <[cw-general@ops-trust.net](mailto:cw-general@ops-trust.net)>

Hello all,

I recently completed my PhD at UC Berkeley and have joined Georgia Tech as a professor of computer science.

I plan to keep doing the same type of research (abuse, cybercrime, APTs, censorship) and hope re-connect with you all at future events!

Aside: I am spending the next 10mo at Facebook as a visiting researcher with Site Integrity, but I am not representing them in any capacity, nor am I an appropriate contact for the company.

-Paul

--

[[ trident ]]: All message content remains the property of the author and must not be forwarded or redistributed without explicit permission.

**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Tuesday, April 3, 2018 11:29:02 PM  
**To:** Manos Antonakakis<manos@gatech.edu>  
**Subject:** Fwd: [EXTERNAL] Internet of Things - Neustar - Georgia Institute of Technology (Atlanta, GA)  
**Attachments:** 2016\_1117\_CDAIT\_Flyer.pdf (6.02 MB)

Thoughts?

Begin forwarded message:

**From:** "Hook, Lisa" <[lisa.hook@team.neustar](mailto:lisa.hook@team.neustar)>  
**Subject:** Fwd: [EXTERNAL] Internet of Things - Neustar - Georgia Institute of Technology (Atlanta, GA)  
**Date:** April 3, 2018 at 4:05:38 PM EDT  
**To:** "Joffe, Rodney" <[Rodney.Joffe@team.neustar](mailto:Rodney.Joffe@team.neustar)>

Should we do this? I don't know cost yet

Lisa A. Hook  
Neustar, Inc./President and Chief Executive Officer  
120 SW 8th Street, Miami, FL 33130  
Office: 571/434-5630. Mobile:202/907-5672  
[Lisa.Hook@team.neustar](mailto:Lisa.Hook@team.neustar)/[www.neustar.biz](http://www.neustar.biz)

Begin forwarded message:

**From:**"Louchez, Alain" <[Alain.Louchez@gtri.gatech.edu](mailto:Alain.Louchez@gtri.gatech.edu)>  
**To:**"Hook, Lisa" <[lisa.hook@team.neustar](mailto:lisa.hook@team.neustar)>  
**Subject:**[EXTERNAL] Internet of Things - Neustar - Georgia Institute of Technology (Atlanta, GA)

Dear Ms. Hook,  
The Georgia Institute of Technology ("Georgia Tech") has recently established a global sponsor-funded Internet of Things (IoT) Center, i.e., Center for the Development and Application of Internet of Things Technologies([CDAIT](#), pronounced "sedate").

In short, CDAIT could be viewed as a technological think tank (some might say a "think-and-do tank", i.e., action-oriented) focused on both engineering and business IoT dimensions, and composed of premier multinational companies (\*), widely recognized as leading the deployment of the Internet of Things.

Given the increasing importance of Internet of Things technologies to Neustar, we'd be delighted and honored to have the Company become a member of CDAIT (see attached flyer).

Please let me know if this is of interest.

Respectfully,

Alain

(\*) CDAIT members currently are (parent company's HQ (outside the US) in parentheses):**3M, AIG, AT&T, Boehringer Ingelheim**(Germany), **Cisco, Coca-Cola, Comcast,Eaton**(Ireland),**Georgia Pacific, Honeywell, IBM, Intel, Landis+Gyr** (Switzerland),**Michelin**(France),**Stanley Black and Decker, UPS, Verizon,and VMware.**

Alain Louchez  
Managing Director  
Center for the Development and Application  
of Internet-of-Things Technologies (CDAIT)  
75 5<sup>th</sup> Street, NW, Suite 900  
Atlanta, Georgia 30308  
PHONE: 404.407.8280  
EMAIL: [alain.louchez@gtri.gatech.edu](mailto:alain.louchez@gtri.gatech.edu)  
WEBSITE: [www.cdait.gatech.edu](http://www.cdait.gatech.edu)



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**From:** Angelos D. Keromytis<[REDACTED]>  
**Sent on:** Monday, June 26, 2017 12:52:23 AM  
**To:** Manos Antonakakis<manos@gatech.edu>  
**CC:** Elizabeth Keromytis<[REDACTED]>  
**Subject:** Fwd: American Airlines Boarding Pass(es).  
**Attachments:** JXYSIU.pdf (53.01 KB)

Mano, can you print this for Elizabeth?

Note that she doesn't have TSA Pre flying back for some reason.  
-Angelos

Begin forwarded message:

**From:** [americanairlines@aa.com](mailto:americanairlines@aa.com)  
**Subject:** American Airlines Boarding Pass(es).  
**Date:** June 25, 2017 at 7:49:11 PM EDT  
**To:** [REDACTED]

You must print all attached boarding pass(es) before proceeding to the airport. This is not a valid mobile boarding pass.

Gate and terminal may change. Check airport monitors when you arrive or visit [flight status](#)

Thank you for choosing American Airlines.

If you are having trouble viewing the attachment, be sure that you have the appropriate software (Adobe Acrobat Reader). Adobe Reader versions for MS Windows, MS Windows NT, OS/2, Macintosh, and Unix platforms. [Download Adobe Reader](#)



From: Rodney Joffe <rodney.joffe@team.neustar>

Sent on: Friday, February 19, 2021 12:35:03 AM

To: Manos Antonakakis <manos@gatech.edu>

Subject: Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

Attachments: An Invitation from Georgia Institute of Technology (Payments via ACHEFT).eml (59.55 KB)

Manos,

Could you please confirm that this is legitimate?

Thanks

Rodney

**From:** "Antonakakis, Manos" </o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7e6b0afc581e477db35a37c3a3a79aeb-Antonakakis>  
**Sent on:** Friday, February 19, 2021 12:52:45 AM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>; Rodney Joffe<rodney.joffe@team.neustar>  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
**Attachments:** An Invitation from Georgia Institute of Technology (Payments via ACHEFT).eml (59.55 KB)

Michael, is this legitimate?

Thanks, Manos

**From:** Rodney Joffe <rodney.joffe@team.neustar>  
**Sent:** Thursday, February 18, 2021 19:35  
**To:** Antonakakis, Manos  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
Manos,

Could you please confirm that this is legitimate?

Thanks  
Rodney

**From:** Antonakakis, Manos<manos@gatech.edu>  
**Sent on:** Friday, November 17, 2017 7:07:28 PM  
**To:** Angelos Keromytis<angelos.keromytis@darpa.mil>; Tejas Patel<tejas.patel.ctr@darpa.mil>  
**Subject:** Fwd: DoD Employee looking for contact info (Cyber Attribution Team)


How should I handle this?

---

Typos due to mobile device ...  
Begin forwarded message:

**From:** "Keen, Kayla (CIV)" <[knkeen@nps.edu](mailto:knkeen@nps.edu)>  
**Date:** November 17, 2017 at 12:42:16 EST  
**To:** "[manos@gatech.edu](mailto:manos@gatech.edu)" <[manos@gatech.edu](mailto:manos@gatech.edu)>  
**Subject:** RE: DoD Employee looking for contact info (Cyber Attribution Team)

Professor Antonakakis,  
My name is Kayla Keen. I am a DoD civilian employee, currently pursuing my PhD in Computer Science at the Naval Postgraduate School (NPS). I am trying to narrow down a topic for my dissertation research and am particularly interested in attribution information gained from binaries. I found your research in my deep dive, and was interested in learning more. Please let me know if you are interested in collaborating; I would be happy to set up a short meeting.

R,  
Kayla  
Kayla Keen  
  
[knkeen@nps.edu](mailto:knkeen@nps.edu)  
[kayla.keen@navy.mil](mailto:kayla.keen@navy.mil)

---

**From:** Toon, John D [[john.toon@comm.gatech.edu](mailto:john.toon@comm.gatech.edu)]  
**Sent:** Thursday, November 16, 2017 6:00 PM  
**To:** Keen, Kayla (CIV)  
**Cc:** [kayla.keen@navy.mil](mailto:kayla.keen@navy.mil)

**Subject:** RE: DoD Employee looking for contact info (Cyber Attribution Team)

Hi Kayla,  
Thanks for your interest. I might suggest you contact Manos Antonakakis. He's a professor in our School of Electrical Engineering and one of the principal researchers involved in the work.  
[manos@gatech.edu](mailto:manos@gatech.edu)

---

**From:** Keen, Kayla (CIV) [<mailto:knkeen@nps.edu>]  
**Sent:** Thursday, November 16, 2017 7:59 PM  
**To:** Toon, John D <[john.toon@comm.gatech.edu](mailto:john.toon@comm.gatech.edu)>  
**Cc:** [kayla.keen@navy.mil](mailto:kayla.keen@navy.mil)

**Subject:** DoD Employee looking for contact info (Cyber Attribution Team)  
John,

I saw you listed as a POC in the following article: <http://www.rh.gatech.edu/news/584327/17-million-contract-will-help-establish-science-cyber-attribution>


My name is Kayla Keen. I am a DoD civilian employee, currently pursuing my PhD in Computer Science at the Naval Postgraduate School (NPS).

I am trying to narrow down a topic for my dissertation research and am particularly interested in security aspects of computing, including attribution.

Specifically, I was hoping you could provide contact information for Michael Farrell (<https://iisp.gatech.edu/michael-farrell>) or another POC on the Attribution team.

Thanks!

R,  
Kayla  
Kayla Keen

  
[knkeen@nps.edu](mailto:knkeen@nps.edu)  
[kayla.keen@navy.mil](mailto:kayla.keen@navy.mil)

**From:** Antonakakis, Manos<manos@gatech.edu>  
**Sent on:** Friday, June 8, 2018 2:44:24 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Fwd: Engineered Biosystems Building

The meeting location for tomorrow morning. My talk starts at 10.30am.

---

Typos due to mobile device ...

Begin forwarded message:

**From:** "Farrell, Michael" <[Michael.Farrell@gtri.gatech.edu](mailto:Michael.Farrell@gtri.gatech.edu)>  
**Date:** June 7, 2018 at 17:51:52 EDT  
**To:** "Antonakakis, Emmanouil K" <[manos@gatech.edu](mailto:manos@gatech.edu)>  
**Subject:** **Engineered Biosystems Building**

[Engineered Biosystems Building](#)  
[950 Atlantic Dr NW, Atlanta, GA 30332](#)

**From:** Antonakakis, Manos<manos@gatech.edu>  
**Sent on:** Wednesday, November 8, 2017 7:29:26 PM  
**To:** [REDACTED]  
**Subject:** Fwd: Family member tuition waiver

FYI

---

Typos due to mobile device ...  
Begin forwarded message:

**From:** "Mitchell, Michael F" <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>  
**Date:** November 8, 2017 at 14:07:02 EST  
**To:** "Antonakakis, Manos" <[manos@gatech.edu](mailto:manos@gatech.edu)>  
**Subject:** RE: Family member tuition waiver

[REDACTED] and I reached out to HR regarding if there were any benefits like this. Unfortunately the only tuition exemptions are for employees only (TAP program).

M

-----Original Message-----

From: Antonakakis, Manos

Sent: Thursday, November 2, 2017 9:37 PM

To: Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>

Subject: Family member tuition waiver

Michael, can you please research something for me? Does GT offer faculty family members (i.e., if my wife wanted to take a class.) any tuition waiver/exemption?

Thanks,

-

Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668





**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Thursday, July 26, 2018 9:06:36 PM  
**To:** Manos Antonakakis<manos@gatech.edu>; tejas@kududyn.com  
**CC:** Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>  
**Subject:** Fwd: Lazarus Activity - RFI  
**Attachments:** catch22.txt (748 Bytes)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Friday, November 30, 2018 4:40:52 PM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: Fwd: Message Notification

Begin forwarded message:

From: Mail Delivery System <MAILER-DAEMON@mailgate3.darpa.mil<mailto:MAILER-DAEMON@mailgate3.darpa.mil>>  
Date: November 30, 2018 at 11:38:03 EST  
To: <jonathan.smith@darpa.mil<mailto:jonathan.smith@darpa.mil>>,  
<angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil>>,  
<christopher.schneck.ctr@darpa.mil<mailto:christopher.schneck.ctr@darpa.mil>>  
Subject: Message Notification

Dear ITS Customer:

We regret that an email message sent to you from "Antonakakis, Manos" <manos@gatech.edu<mailto:manos@gatech.edu>> with a subject of Final slide deck for PI meeting could not be delivered as it exceeds the 40MB email attachment limit on the DARPA Unclassified Network.

Please request that the sender deliver the file to you via another method.

If you have any questions or concerns or require assistance with other methods to deliver the file, please contact the ITS Help Desk at (703) 527-5527 (Toll-free 1-888-562-6742) or send a message to Action@darpa.mil<<mailto:Action@darpa.mil>>.

Respectfully,

ITS Customer Support

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Friday, August 25, 2017 6:00:02 PM  
To: manos@gatech.edu  
Subject: Fwd: Nomination

I told them no, but the timing of this is funny given our recent conversation :)  
-Angelos

Begin forwarded message:

From: "Stony Brook University CEAS - Chair, Department of Computer Science"  
<SBU.ChairCS@russellreynolds.com<mailto:SBU.ChairCS@russellreynolds.com>>  
Subject: Nomination  
Date: August 24, 2017 at 4:14:21 PM EDT  
To: "angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil>"  
<angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil>>

Dear Dr. Keromytis,

On behalf of the Search Committee for the next Chair of the Department of Computer Science at Stony Brook University, we are delighted to inform you that you have been nominated as a candidate for this important leadership position. The Search Committee has solicited nominations from individuals for whom they have high regard, and your name has been suggested to us with great enthusiasm as one who would be an outstanding chair.

An academic unit of the College of Engineering and Applied Sciences, the Department of Computer Science (CS) is ranked within the top tier (#40) of national universities by U.S. News and World Report, and the National Research Council ranks CS among the top 10% of computer science graduate programs in the U.S. In the most recent Gourman report of undergraduate computer science programs, Stony Brook was ranked 15th in the U.S. and second in New York State. The Computer Science department has seen a substantial increase in majors as enrollment has grown from 678 undergraduates in 2012 to over 1,100 today. Computer Science is now the third largest undergraduate major on campus. With annual research expenditures of approximately \$8 million, the department is home to 42 tenured and tenure-track faculty members, 10 teaching and research faculty, and 500 graduate students (200 of which are Ph.D. students). Many of the faculty are engaged in multidisciplinary research with colleagues in Stony Brook's School of Medicine and the nearby Brookhaven National Laboratory and Cold Spring Harbor Lab.

In 2015, the department opened a 70,000 square-foot, state-of-the-art building to accelerate growth in collaborative research. In June 2017, the College of Engineering and Applied Sciences was awarded two grants totalling \$4.5 million to recruit and retain exceptional individuals that strengthen the University's research productivity in two high economic opportunity areas of state and national significance – artificial intelligence (AI) and cybersecurity. These hires will also accelerate the development of the emergent Institute for AI-Driven Discovery & Innovation.

Reporting to the Dean, the Department Chair will provide vision and leadership for the CS department to advance its national and international reputation. Interested candidates should have a Ph.D. in computer science or a related field, as well as an outstanding record in research with a strong funding record. The successful candidate must qualify to be a Full Professor with tenure.

Click here <<https://russellreynoldsassociates.sharefile.com/d-sd167ba864ab43048>> to view the Position Specification. If you are interested in considering the opportunity, please send a copy of your CV (and any supporting materials you deem relevant), so that we may share it with the Search Committee on a strictly confidential basis. All materials should be submitted electronically to SBU.ChairCS@russellreynolds.com<mailto:SBU.ChairCS@russellreynolds.com>. If you have questions about the opportunity or process, we would be delighted to schedule a conversation with you. Alternatively, you may email your questions.

We look forward to hearing from you.

Best,

Jett

Jett Pihakis

Russell Reynolds Associates

1700 New York Avenue, NW | Suite 400 | Washington, DC | 20006-5208

T: +1-202-654-7870 | Jett's bio <<http://www.russellreynolds.com/consultants/jett-pihakis>>

RussellReynolds.com <<http://www.russellreynolds.com/>>

Executive Assistant: Christina Richards

T: +1-202-654-7837

christina.richards@russellreynolds.com <<mailto:christina.richards@russellreynolds.com>>

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**From:** Angelos D. Keromytis <[REDACTED]>  
**Sent on:** Thursday, February 1, 2018 4:26:26 AM  
**To:** Manos Antonakakis <manos@gatech.edu>  
**Subject:** Fwd: offer - finally!  
**Attachments:** Angelos final offer.pdf (556.82 KB)

Begin forwarded message:

**From:** "Beyah, Raheem A" <[rbeyah@ece.gatech.edu](mailto:rbeyah@ece.gatech.edu)>  
**Subject:** offer - finally!  
**Date:** January 31, 2018 at 2:30:32 PM EST  
**To:** "Angelos D. Keromytis" <[REDACTED]>

Hi Angelos,

We finally received all of the approvals! Please find the offer letter attached. Please let me know if you have any questions. We look forward to you joining us.

Best,

Raheem

---

Raheem A. Beyah, Ph.D.  
Interim Steve W. Chaddick School Chair  
Motorola Foundation Professor  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
Van Leer Building, Suite 215  
777 Atlantic Ave  
Atlanta, GA 30332-0250 USA

Phone: +1 404-894-4468  
Twitter: @GeorgiaTech\_ECE

**From:** Angelos D. Keromytis <[REDACTED]>  
**Sent on:** Wednesday, November 29, 2017 2:49:17 AM  
**To:** Manos Antonakakis <manos@gatech.edu>  
**Subject:** Fwd: offer letter - draft  
**Attachments:** angelos offer - updated.pdf (72.31 KB)

Thoughts?

Begin forwarded message:

**From:** "Beyah, Raheem A" <[rbeyah@ece.gatech.edu](mailto:rbeyah@ece.gatech.edu)>  
**Subject:** **Re: offer letter - draft**  
**Date:** November 28, 2017 at 9:00:26 PM EST  
**To:** "Angelos D. Keromytis" <[REDACTED]>

Angelos,

Please find an updated draft letter attached. I've tried to address your concerns. I've highlighted the areas that I modified. Please let me know if you'd like to discuss this.

Best,

Raheem

> On Nov 25, 2017, at 4:00 PM, Angelos D. Keromytis <[REDACTED]> wrote:

>

> Raheem, this looks appropriate and mostly in line with the previous discussions with Steve, but misses the cluster hire aspect; to quote from the previous drafts:

>

> · Cluster hire in cybersecurity: As a School we are committed to grow our strength in cybersecurity and the vision you have for your activities is well aligned with this. We are currently preparing a GT-wide plan to hire 8-10 new tenure-track and research faculty in the next 6-8 years. In that plan, at least 4 of those positions will be in ECE, and these and many of the others may be joint across the Ivan Allen College and Colleges of Engineering and Computing. We will need you to play a major role in realizing that strategy.

>

> The other item I'd like to raise has to do with space: I don't particularly mind \*where\* space for staff and students will be, but I want it to be contiguous and sufficient to host the whole security cluster (both existing faculty and planned hires). I'd like this captured somehow in the letter; perhaps something along these lines:

>

> - To the extent possible, the location of such space [for staff and students] will be in close proximity to existing faculty members and groups in the same research area, and sufficient to accommodate future hires.

>

> Cheers,

> -Angelos

>

>

>

>> On Nov 21, 2017, at 8:45 AM, Beyah, Raheem A <[rbeyah@ece.gatech.edu](mailto:rbeyah@ece.gatech.edu)> wrote:

>>

>> Hi Angelos,

>>

>> Please find a draft of your offer letter attached. I believe it captures the parameters that you and Steve agreed on. Let's chat some time next week. Have a Happy Thanksgiving!

>>

>> Best,

>>

>> Raheem

>>

>>

>> -----

>> Raheem A. Beyah, Ph.D.

>> Interim Steve W. Chaddick School Chair

>> Motorola Foundation Professor

>> School of Electrical and Computer Engineering

>> Georgia Institute of Technology

>> Van Leer Building, Suite 215

>> 777 Atlantic Ave

>> Atlanta, GA 30332-0250 USA

>>

>> Phone: +1 404-894-4468

>> Twitter: @GeorgiaTech\_ECE

>>

>>

>>

>>

>> <angelos offer.pdf>

>

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Monday, January 29, 2018 7:18:54 PM  
**To:** Manos Antonakakis<manos@gatech.edu>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Monday, January 29, 2018 7:18:53 PM  
**Subject:** Fwd: Petabyte:  
**Attachments:** Nameless.txt (3.93 KB)

Begin forwarded message:

**From:** "Smith, Jonathan" <[jonathan.smith@darpa.mil](mailto:jonathan.smith@darpa.mil)>  
**Date:** January 29, 2018 at 13:39:52 EST  
**To:** "Keromytis, Angelos" <[angelos.keromytis@darpa.mil](mailto:angelos.keromytis@darpa.mil)>, "Patel, Tejas (contr-i2o)" <[tejas.patel.ctr@darpa.mil](mailto:tejas.patel.ctr@darpa.mil)>  
**Subject: FW: Petabyte:**

SuperStorage Server 6048R-E1CR90L

My System December 17th, 8:57 pm EST

Configured Price: \$92,861.00

Selection Summary

Barebone

Supermicro SuperStorage Server 6048R-E1CR90L - 90x SATA/SAS - LSI 3008 12G SAS - Quad 10-Gigabit SFP+ - 1000W Redundant

Processor

2 x Twenty-Two-Core Intel Xeon Processor E5-2699A v4 2.40GHz 55MB Cache (145W)

Memory

8 x 64GB PC4-19200 2400MHz DDR4 ECC Registered DIMM



Boot Drive

128GB SATA 6.0Gb/s Disk on Module (MLC) (Vertical)

Storage Drive

90 x 12TB SAS 3.0 12.0Gb/s 7200RPM - 3.5" - Hitachi Ultrastar He12 (512e)

Optical Drive

No Optical Drive Support

Controller Card

2 x Integrated LSI 3008 SAS 3.0 12Gb/s 8-port Host Bus Adapter

I/O Modules - Networking

Supermicro SIOM 10-Gigabit Ethernet Adapter AOC-MTG-i4SM (4x SFP+)

Operating System

No Operating System

Warranty

3 Year Depot Warranty (Return for Repair)

Tech Specs

Barebone

Memory Technology

DDR4 ECC Reg

Chipset

Intel C612

Form Factor

4U

Color

Black

Memory Slots

8x 288-pin DIMM Sockets

Graphics

ASPEED AST2400 BMC

Ethernet

Quad LAN with Intel XL710 10G SFP+

SIOM card for multiple IO options

Power

1000W Redundant Titanium Level Power Supplies with PMBus

External Bays

90x 3.5" Hot-swap SAS3/SATA3 drive bays

2x 2.5" rear Hot-swap SATA3 drive bays

Front Panel

Power On/Off button

Unit Identification (UID) button

Power status LED

Hard drive activity LED

Network activity LEDs

System information LED

Power fail LED

Back Panel

2x USB 3.0 ports

2x USB 2.0 ports

4x 10G SFP+ LAN ports

1x RJ45 Dedicated IPMI LAN port

1x VGA

1x serial port

SAS 12Gbps Controller

LSI 3008

SAS 12Gbps Ports

16

SATA 6Gbps AHCI Controller

Intel C612

SATA 6Gbps AHCI Ports

SATA 6Gbps SCU Controller

sSATA

SATA 6Gbps SCU Ports

4

Processor

Product Line

Xeon E5-2600 v4

Socket

LGA2011-v3

Clock Speed

2.40 GHz

QuickPath Interconnect

9.6 GT/s

Smart Cache

55MB

Cores/Threads

22C / 44T

Intel Virtualization Technology

Yes

Intel Hyper-Threading

Yes

Wattage

145W

Memory

Technology

DDR4

Type

288-pin DIMM

Capacity

8 x 64 GB

Speed

2400 MHz

Error Checking

ECC

Signal Processing

Registered

Boot Drive

Storage Capacity

128GB

Interface

6.0Gb/s Serial ATA

Storage Drive

Storage Capacity

90 x 12.0TB

Interface

12.0Gb/s SAS

Rotational Speed

7200RPM

Cache

256MB

Format

512e

Controller Card

Product Type

SAS Host Bus Adapter

Data Transfer Rate

12Gb/s SAS

Internal Ports

2 x 8 Ports

External Ports

2 x 0 Ports

I/O Processor

LSI SAS3008

RAID Levels

0, 1, 10, JBOD

Max Devices

128

I/O Modules - Networking

Speed

10Gb Ethernet

Connector

SFP+

Interface

Super I/O Module (SIOM) Form Factor

TX/RX Streams

Tx/Rx IP

Product Page:

<https://www.thinkmate.com/system/superstorage-server-6048r-e1cr90l/247659>

Thinkmate's Homepage:

<https://www.thinkmate.com/>

All prices subject to change.



**From:** Angelos D. Keromytis <[REDACTED]>  
**Sent on:** Saturday, January 20, 2018 4:32:55 PM  
**To:** Manos Antonakakis <manos@gatech.edu>  
**Subject:** Fwd: PhD student  
**Attachments:** CV Karakatsanis.pdf (180.5 KB)

If he's applied to GaTech...

Begin forwarded message:

**From:** Konstantinos Karakatsanis <[REDACTED]>  
**Subject: Re: PhD student**  
**Date:** January 20, 2018 at 10:01:14 AM EST  
**To:** "Angelos D. Keromytis" <[REDACTED]>  
**Cc:** Diomidis Spinellis <[dds@aueb.gr](mailto:dds@aueb.gr)>

Dear Mr. Keromytis,

I attach to you a short resume of mine.

At your disposal for any additional information or clarification.  
Yours sincerely,  
Konstantinos Karakatsanis

---



Virus-free. [www.avast.com](http://www.avast.com)

2018-01-19 4:24 GMT+02:00 Angelos D. Keromytis <[REDACTED]>:  
Diomidi, thank you.

Konstantine, pleased to meet you. Do you have a CV? It's getting kinda late in the season to apply.  
Best,  
-Angelos

> On Jan 17, 2018, at 5:25 AM, Diomidis Spinellis <[dds@aueb.gr](mailto:dds@aueb.gr)> wrote:  
>  
> Hi Angele,  
>  
> I'm writing to introduce to you Konstantinos Karakatsanis (Cc'd), one of the best students graduating out department this year. He's looking at the possibility of doing a PhD in the US. Based on the interest you have expressed to bringing you in contact with such students I think it would be mutually beneficial to get in touch.  
>  
> Kind regards,  
>  
> Diomidis  
>



**From:** Angelos D. Keromytis <[REDACTED]>  
**Sent on:** Thursday, January 25, 2018 7:29:53 PM  
**To:** Manos Antonakakis <manos@gatech.edu>  
**Subject:** Fwd: PhD student

Begin forwarded message:

**From:** Konstantinos Karakatsanis <[REDACTED]>  
**Date:** January 25, 2018 at 12:42:41 EST  
**To:** "Angelos D. Keromytis" <[REDACTED]>  
**Cc:** Diomidis Spinellis <[dds@aueb.gr](mailto:dds@aueb.gr)>  
**Subject: Re: PhD student**

Dear Dr. Keromytis,

I decided to apply for the PhD program at Georgia Tech, but I saw that the deadline for the PhD admissions is on December the 15th. May I still apply for the PhD program or is it too late?

Yours sincerely,  
Konstantinos Karakatsanis

Στις 21 Ιαν 2018 21:13, ο χρήστης "Angelos D. Keromytis" <[REDACTED]>  
έγραψε:

Interesting.

Why are you applying for MSc? There aren't many opportunities for stipend-supported MS admissions; most faculty (myself included) look for PhD students who will commit to the ~5 year program. If you do apply to the MS program, you'll probably get admitted but you'll have to pay your way.

If you do stick with Columbia (MS or PhD), I suggest reaching out to Steve Bellovin or Roxana Geambasu — they'll probably be good fits for your interests.

If you're up for doing a PhD at Georgia Tech, then go ahead and apply; Manos Antonakakis and I would end up co-advising you.

Best,  
-Angelos

> On Jan 21, 2018, at 1:56 PM, Konstantinos Karakatsanis <[REDACTED]>  
> wrote:

>

> Dear Dr. Keromytis,

>

> I have begun my application for the MS in Computer Science at the Columbia University but I have not submitted it yet. I have already applied for the MS programs in Computer

Science at the following universities: Stanford, Carnegie Mellon, Princeton, UCLA, Imperial, ETH and EPFL. I attach to you my statement for the Columbia University as I have formed it until now.

>

> As far as my research interests are concerned, I am really interested in Software Engineering and how to build secure and maintainable software systems. In addition, in our days where big data and social media overwhelm us, I am very interested in how to protect these data and people's privacy. Finally, I am interested in IoT security, and especially in automotive security, which is more crucial than ever with the advent of autonomous cars.

>

> Your opinion and advice is of great importance to me.

>

> Yours sincerely,

> Konstantinos Karakatsanis

>

> Virus-free. [www.avast.com](http://www.avast.com)

>

> 2018-01-20 18:32 GMT+02:00 Angelos D. Keromytis <[REDACTED]>:

> Konstantine, what do you want to do, research wise? Do you have a statement? Have you applied for grad school?

>

> I have left Columbia and will be joining Georgia Tech in January 2019. I would be looking to recruit students there.

> -Angelos

>

>

> > On Jan 20, 2018, at 10:01 AM, Konstantinos Karakatsanis <[REDACTED]> wrote:

> >

> > Dear Mr. Keromytis,

> >

> > I attach to you a short resume of mine.

> >

> > At your disposal for any additional information or clarification.

> >

> > Yours sincerely,

> > Konstantinos Karakatsanis

> >

> > Virus-free. [www.avast.com](http://www.avast.com)

> >

> > 2018-01-19 4:24 GMT+02:00 Angelos D. Keromytis <[REDACTED]>:

> > Diomidi, thank you.

> >

> > Konstantine, pleased to meet you. Do you have a CV? It's getting kinda late in the season to apply.

> > Best,

> > -Angelos

> >

> >

> > > On Jan 17, 2018, at 5:25 AM, Diomidis Spinellis <[dds@aueb.gr](mailto:dds@aueb.gr)> wrote:

> > >

> > > Hi Angele,

> > >

> > > I'm writing to introduce to you Konstantinos Karakatsanis (Cc'd), one of the best students graduating out department this year. He's looking at the possibility of doing a PhD in the US. Based on the interest you have expressed to bring you in contact with such students I think it would be mutually beneficial to get in touch.

> > >

> > > Kind regards,

> > >

> > > Diomidis

> > >

> >

> >

> > <CV Karakatsanis.pdf>

>

>

> <Statement of Purpose Karakatsanis.pdf>

**From:** Antonakakis, Manos<manos@gatech.edu>

**Sent on:** Friday, January 19, 2018 3:11:52 PM

**To:** [REDACTED]

**Subject:** Fwd: Quick follow up

---

Typos due to mobile device ...

Begin forwarded message:

**From:** "Ahamad, Mustaque" <[mustaq@cc.gatech.edu](mailto:mustaq@cc.gatech.edu)>

**Date:** January 19, 2018 at 09:34:14 EST

**To:** Stelios Sidiroglou-Douskos <[stelios@csail.mit.edu](mailto:stelios@csail.mit.edu)>

**Subject:** Quick follow up

Stelios,

Thanks for getting your letters to us. I am getting great feedback from everyone you met and we should be able to get our faculty meeting and vote all wrapped up in the next two weeks. Based on feedback so far, I do hope we will be able to plan a second visit to Atlanta by you and your family in mid-February.

Please do not hesitate to give me a call at my mobile at [REDACTED] if you have any questions at all. I hate to spam you too many times but I am trying to quickly get everything done at this end so we can move forward to next steps.

I understand you will meet Vivek next week at a PI meeting. He will be able to answer questions as well.

Mustaque

**From:** Antonakakis, Manos<manos@gatech.edu>  
**Sent on:** Wednesday, July 10, 2019 8:28:24 PM  
**To:** Ian Crone<ian.crone@darpa.mil>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** [Fwd: Fw: connection for briefing on Enhanced Attribution]

This is the email. In this context I am reading the "program die" as the transition actually being killed (due to the entire context of this thread).

Maybe I am just reading into this too much.

----- Forwarded Message -----

From: "Antonakakis, Manos" <manos@gatech.edu>  
To: Ian Crone <ian.crone@darpa.mil>  
Subject: Fw: connection for briefing on Enhanced Attribution  
Date: Wed, 3 Jul 2019 08:37:52 -0400

FYI-

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: McConnell, Kirk (Armed Services) <Kirk\_McConnell@armed-services.senate.gov>  
Sent: Saturday, June 29, 2019 10:17 AM  
To: Rodney Joffe  
Cc: Antonakakis, Manos  
Subject: Re: connection for briefing on Enhanced Attribution

I believe that Farrell would rather see the program die than work with Congress.

Sent from my iPhone

On Jun 29, 2019, at 12:39 AM, Rodney Joffe <rjoffe@centergate.com<mailto:rjoffe@centergate.com>> wrote:

Jeez

What a piece of work! Glad you don't have any influence with DARPA's budget that Michael relies on.

Manos?

On Jun 29, 2019, at 12:31 AM, McConnell, Kirk (Armed Services) <Kirk\_McConnell@armed-services.senate.gov<mailto:Kirk\_McConnell@armed-services.senate.gov>> wrote:

Well, Michael is quite a guy isn't he?

Sent from my iPhone

Begin forwarded message:

From: "Farrell, Michael" <michael.farrell@iisp.gatech.edu<mailto:michael.farrell@iisp.gatech.edu>>  
Date: June 28, 2019 at 4:41:00 PM EDT  
To: "McConnell, Kirk (Armed Services)" <Kirk\_McConnell@armed-services.senate.gov<mailto:Kirk\_McConnell@armed-services.senate.gov>>  
Cc: Ian Crone <ian.crone@darpa.mil<mailto:ian.crone@darpa.mil>>, "lisa.heyeshes@darpa.mil<mailto:lisa.heyeshes@darpa.mil>" <lisa.heyeshes@darpa.mil<mailto:lisa.heyeshes@darpa.mil>>  
Subject: Re: connection for briefing on Enhanced Attribution

Kirk,

Thanks for your interest in Georgia Tech research. However, we (GT) have no comment or position on the below. In fact, going forward please contact DARPA directly about any and all issues or questions or comments related to the enhanced attribution program. The DARPA congressional liaison and program manager are copied on this message and can respond, as needed. The Georgia Tech/GTRI PI and Co-PIs on this research program are not the appropriate POCs for any questions, comments, or concerns.

The government, not GT, makes decisions related to funding and transition from research at DARPA to other entities. The focus of Manos, myself and other Co-PIs is completely on doing impactful research. We follow contractual requirements and relevant policies for our part of this program (and GT is only one part), and devote our energy to 'creating the next' in cyber security.

Best,

Michael

On Jun 25, 2019, at 12:24, McConnell, Kirk (Armed Services) <Kirk\_McConnell@armed-services.senate.gov<mailto:Kirk\_McConnell@armed-services.senate.gov>> wrote:

FYI. Andy is on the SAC-D staff. Andrew Pahutski from SCO is seeking approval from us on the Hill to shift some SCO money to Enhanced Attribution.

From: McConnell, Kirk (Armed Services)  
Sent: Tuesday, June 25, 2019 12:22 PM  
To: Heyes, Lisa (lisa.heyeshes@darpa.mil<mailto:lisa.heyeshes@darpa.mil>) <lisa.heyeshes@darpa.mil<mailto:lisa.heyeshes@darpa.mil>>; Vanlandingham, Andy (Appropriations) <Andy\_Vanlandingham@appro.senate.gov<mailto:Andy\_Vanlandingham@appro.senate.gov>>  
Subject: connection for briefing on Enhanced Attribution

Lisa –

Andy Vanlandingham is interested in learning more about DARPA's Enhanced Attribution cybersecurity program. It turns out that a current SCO program manager whom we know well is moving over to Cyber Command to help with the transition of this DARPA program to CYBERCOM. Thanks, Kirk

--

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
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**From:** <baseball-bounces@centergate.com> on behalf of Alexander Dupuy<alexdupuy@google.com>  
**Sent on:** Friday, April 20, 2018 2:01:41 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>; Puneet Sood<puneets@google.com>  
**CC:** baseball@centergate.com  
**Subject:** [DNS Inside Baseball 2017] Nominations  
**Attachments:** Nameless.txt (992 Bytes)

My colleague Puneet Sood <[puneets@google.com](mailto:puneets@google.com)>, who attended the meeting in San Francisco last October, would like to attend again this year (if possible, depending on date and location). I recall asking during the meeting about adding him to this list, but it seems to have somewhat slipped through the cracks and it didn't happen. At any rate, if there are no objections, I hope it would be possible to add him to this mailing list.

**I supported the nomination after last year's meeting to add Brian Hartvigsen from OpenDNS, and was glad to see that either he or someone else from OpenDNS/Umbrella is likely to attend this year's event.** Since last year's meeting there have been several new entrants in the public resolver area. CloudFlare is already represented, but I would also suggest that we invite someone from Quad9 as well; John Todd <[jtodd@quad9.net](mailto:jtodd@quad9.net)> would be the most likely choice.

---

Alexander Dupuy | Software Engineer | [alexdupuy@google.com](mailto:alexdupuy@google.com) | +1 646-462-3568

**From:** Mitchell, Michael F<fvirgil6@gatech.edu> on behalf of Mitchell, Michael F  
**Sent on:** Thursday, February 11, 2021 10:05:24 PM  
**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Data subscription extension

Good Afternoon Rodney,

I spoke with Manos earlier today regarding the short term extension of our project and the need to extend our data subscription. Would you be able to provide me with a quote for the additional period you discussed? I would greatly appreciate it!

Thanks,

***Michael Mitchell***

Research Operations Program Manager

**GEORGIA Institute**

**of TECHNOLOGY**

School of Electrical and Computer Engineering

777 Atlantic Drive NW

Atlanta, GA 30332-0765

Office: 404-385-8122

Mobile: 770-655-8039

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, May 4, 2021 8:02:33 PM  
**To:** Beyah, Raheem A<rbeyah@coe.gatech.edu>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** FW: [ece\_faculty] 2021-22 Promotion and Tenure cases  
**Attachments:** ManosAntonakakis\_cv\_040221.pdf (161.55 KB)

Hey Raheem, this is fairly up-to-date, and it does reflect my latest teaching activities and students I have graduated. Unless there is a different format (with different kind of information fields in it) you need my information in, I would consider this as my more up-to-date CV.

Thanks, Manos

---

**From:** Antonakakis, Manos <manos@gatech.edu>  
**Date:** Friday, April 2, 2021 at 2:23 PM  
**To:** Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>, Blough, Douglas M <doug.blough@ece.gatech.edu>  
**Cc:** Beyah, Raheem A <rbeyah@coe.gatech.edu>  
**Subject:** Re: [ece\_faculty] 2021-22 Promotion and Tenure cases

Thanks for the feedback, guys. Attached please find a semi-up-to-date CV.

The only reason I asked is because people (within and outside GT) after my tenure case told to not wait for long until I go up for full. If my memory serves me right, one of these people was Raheem as well.

In any case, let me know if I should wait or not. Happy to bring you offers (for full professor position with endowed Chair) from other places if that helps the process out.

Thanks, Manos

---

**From:** Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>  
**Date:** Friday, April 2, 2021 at 12:49 PM  
**To:** Blough, Douglas M <doug.blough@ece.gatech.edu>, Antonakakis, Manos <manos@gatech.edu>  
**Subject:** Re: [ece\_faculty] 2021-22 Promotion and Tenure cases

Yup. I agree that Year 3 is pretty much a no-go. Year 4 is rare but not unheard of. Do you have a recent version of your cv so we can take a quick look and see if there are potential soft spots that you should tend to for this to be feasible?

/ Magnus

---

Magnus Egerstedt, Ph.D.  
Steve W. Chaddick School Chair and Professor  
School of Electrical and Computer Engineering  
Georgia Institute of Technology

Georgia Tech ECE: Dreaming, Designing, and Getting it Done!

On 4/2/21, 10:57 AM, "Blough, Douglas M" <doug.blough@ece.gatech.edu> wrote:

Hi Manos,

The standard time for promotion is after 6 years in rank, just like from Assistant to Associate. Since you'd be in your 3rd year as Associate next year, it would be considered 3 years early. The College of Engineering has told us very clearly to not bring any 3-year-early full promotion cases forward. Let's revisit next year.

Magnus: Any additional thoughts?

Doug

On 4/2/21 10:32 AM, Antonakakis, Manos wrote:

> Hey Doug and Magnus,  
>  
> Should I apply for full or should I wait? I am in no real rush, just  
> asking because I honestly do not know when the time is right to go up  
> for full.

>  
> Thanks, Manos  
>  
> \*From: \*ece\_faculty-request@lists.gatech.edu  
> <ece\_faculty-request@lists.gatech.edu> on behalf of Doug Blough  
> <doug.blough@ece.gatech.edu>  
> \*Date: \*Monday, March 29, 2021 at 1:48 PM  
> \*To: \*ece\_faculty@ece.gatech.edu <ece\_faculty@ece.gatech.edu>  
> \*Cc: \*Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>  
> \*Subject: \*[ece\_faculty] 2021-22 Promotion and Tenure cases

> Dear Colleagues,

>  
> We are preparing for this coming year's RPT cycle and the  
> deadlines for submitting paperwork have been distributed by  
> CoE.

>  
> To comply with Institute deadlines, we need to know by April 16  
> if you are planning to apply for tenure and/or promotion in the  
> coming cycle. First drafts of tenure/promotion packages will be  
> due in early May and final packages will be due around the third  
> week of May.

>  
> Faculty members with questions about whether or not to pursue  
> promotion and/or tenure should consult with both Magnus Egerstedt  
> and me.

>  
> Please notify Magnus and me of your intention to apply by April 16.  
> This is a hard deadline.

>  
> Thank you,

>  
> Doug Blough  
> ECE Associate Chair for Faculty Development

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, March 15, 2018 2:37:15 PM  
**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Fw: Interview with Niloofar Howe

Anything I need to know about this?

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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From: Antonakakis, Manos  
Sent: Thursday, March 15, 2018 10:36 AM  
To: Riley, Theresa  
Cc: Achanta, Venkat  
Subject: Re: Interview with Niloofar Howe

Theresa, I can only do Friday April 6th between 10-12. This has to be a video call of some sort.

Many thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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From: Riley, Theresa <Theresa.Riley@team.neustar>  
Sent: Wednesday, March 14, 2018 1:48:25 PM  
To: Antonakakis, Manos  
Cc: Achanta, Venkat  
Subject: Interview with Niloofar Howe

Good afternoon Manos. My name is Theresa Riley, and I am Venkat Achanta's assistant at Neustar. I have been asked to reach out to you for availability to speak with Niloo and discuss Neustar's presence in the security space. The candidate's name is Niloofar (goes by Niloo) Howe. Lisa Hook may have already spoken to you about this person.

Here are some dates/times that I was given by Niloo's office – all times listed are Eastern. Please let me know all dates/times that would work for your schedule and I will get back to you with a confirmation. The preference would be for this to be a video conference.

I have attached her resume to this e-mail.

Thank you,  
Theresa  


Tuesday (March 20th)  
11:00 to 2:30

Monday (April 2nd)  
10:00 to 2:30

Wednesday (April 4th)  
10:00 to 2:30

Thursday (April 5th)

10:00 to 11:00 AM

12:30 to 2:30 PM

Friday (April 6th)

10:00 to 1:30 PM

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, February 1, 2018 3:15:22 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Fw: Introductions Neustar <=> GT COE

Hey Lisa,

Just finished a long meeting with Steve. I expressed to him how important this collaboration is for GT. He suggested that you two could meet the next time you are in Atlanta. Unfortunately, for reasons I can explain over the phone, he does not travel very often.

I suspect that Steve (among other things) wants see if you would be interested in a Board position at the College of Engineering.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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---

From: Antonakakis, Manos  
Sent: Thursday, February 1, 2018 10:09 AM  
To: Hook, Lisa; McLaughlin, Steven W  
Cc: Joffe, Rodney  
Subject: Introductions Neustar <=> GT COE

Hey Lisa,

Allow me to introduce you the Dean and Southern Company Chair Dr. Steve McLaughlin. Steve, let me introduce you to the President and Chief Executive Officer of Neustar Lisa Hook.

Over the last two years Lisa and Rodney (the Founder of UltraDNS, and Senior Vice President and Fellow of Neustar) have been helping GT to perform again the major DoD project we have. As Neustar is aligned to the success of our research in this (and likely other future) project(s), perhaps it would make sense for you two to meet, next time Lisa is in town.

It would make a lot of sense to figure out how the collaboration between Neustar and GT can become stronger over the coming years.

Many thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, March 27, 2018 1:53:45 AM  
**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Fw: Resume  
**Attachments:** allison\_sommers\_resume3.pdf (181.99 KB)

If you are looking for a threat researcher, she is a young one that has the potential to grow. She is very close to be done with her undergrad at GT and she is looking for a full time position.

We can talk more if you like her resume.

Again, key point; she is young, but has the potential to grow into something good.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Sommers, Allison K  
Sent: Monday, March 26, 2018 8:02 PM  
To: Antonakakis, Manos  
Subject: Resume

Manos,

As we discussed, here's my resume.

Thanks!  
Alli

Microsoft Exchange Server;converted from html;

**From:** Allen, Lucretia<lucretia.allen@ece.gatech.edu> on behalf of Allen, Lucretia  
**Sent on:** Tuesday, July 31, 2018 8:37:53 PM  
**To:** Lee, Terri T<terri.lee@gatech.edu>  
**Subject:** FW: RPT CV Corrections: Antonakakis  
**Attachments:** ManosAntonakakis\_cv.pdf (197.8 KB)

Hi Terri,

Will Manos's second point make a difference?

Thanks,

Lucretia

Just smile, it's all good!

-----Original Message-----

From: Antonakakis, Manos

Sent: Saturday, July 28, 2018 10:23 AM

To: Allen, Lucretia <lucretia.allen@ece.gatech.edu>

Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>

Subject: Re: RPT CV Corrections: Antonakakis

Hey Lucretia,

Please find attached the two revised documents. A couple of clarifications regarding the comments I received from the Dean's office.

First, on the pending journals. I have none, simply because they have no impact to my community. So the NO DATA statement is correct.

Second, on the point about describing my talks, I will have to include abstracts to make the talk descriptions meaningful. That sounds like something that would make the CV unreadable, and in all honesty, I might not have all these abstracts in my records anymore. I decided to not do this because this is a non-trivial task.

Please let me know if you need anything more from my side.

Thanks,

—

Manos Antonakakis | manos@gatech.edu

Georgia Institute of Technology

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---

From: Allen, Lucretia

Sent: Friday, July 27, 2018 2:28:21 PM

To: Antonakakis, Manos

Cc: Blough, Douglas M; Allen, Lucretia

Subject: RE: RPT CV Corrections: Antonakakis

Hi Manos,

I have attached your original CV for correcting. Also, can you provide a clean Statement of Completeness? The one attached is hard to read. Terri said you can electronically sign the form.

The date on your Statement of Completeness should have the same date as on your CV, which is June 15, 2018 so please update the Statement of Completeness with the appropriate date before you send back.

Let me know if you have any questions.

Thanks,

Lucretia

[Image result for sunshine smile]

Just smile, it's all good!

From: Allen, Lucretia

Sent: Friday, July 27, 2018 2:10 PM

To: Antonakakis, Manos <manos@gatech.edu>

Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>

Subject: RPT CV Corrections: Antonakakis

Hello Professor,

Terri Lee from the Deans Office has reviewed your resume for proper formatting and posted a few comments on the CV that need correcting.

Please review and correct the items highlighted and send back to me.

Thanks,

Lucretia

[Image result for sunshine smile]

Just smile, it's all good!

Microsoft Exchange Server;converted from html;

**From:** Allen, Lucretia<lucretia.allen@ece.gatech.edu> on behalf of Allen, Lucretia  
**Sent on:** Wednesday, September 12, 2018 12:57:14 PM  
**To:** Lee, Terri T<terri.lee@gatech.edu>  
**Subject:** FW: RPT Package  
**Attachments:** RPT Package- Antonakakis.pdf (3.02 MB), RPT Package- Raychowdhury.pdf (1.7 MB)

Hi Terri,

Here are the last two.

Can you check these too?

Also with Antonakakis, for some reason I cannot bookmark "Education" within his CV.

I tried six times.

Can you see if you can do it?

Still missing-

- Dean Letter
- College Committee Letter
- School Chair Letter
- School Committee Letter

---

**From:** Allen, Lucretia  
**Sent:** Friday, September 7, 2018 3:06 PM  
**To:** Lee, Terri T <terri.lee@gatech.edu>  
**Subject:** RE: RPT Package- Sarioglu

Hi Terri,

Here's one more.

Also, the coversheets are not complete.

Will do once they complete the votes.

- Dean Letter
- College Committee Letter
- School Chair Letter (Should have by Tuesday)
- School Committee Letter (Should have by Tuesday)

Thanks,

Lucretia

---

**From:** Allen, Lucretia  
**Sent:** Friday, September 7, 2018 2:35 PM  
**To:** Lee, Terri T <[HYPERLINK "mailto:terri.lee@gatech.edu" terri.lee@gatech.edu](mailto:terri.lee@gatech.edu)>  
**Subject:** RPT Package- Zhang

Hi Terri,

Can you take a look at this one?

Missing from the package:

- Dean Letter
- College Committee Letter
- School Chair Letter (Should have by Tuesday)
- School Committee Letter (Should have by Tuesday)

Thanks,

Lucretia

**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Friday, February 19, 2021 12:35:03 AM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
**Attachments:** An Invitation from Georgia Institute of Technology (Payments via ACHEFT).msg (132 KB)

Manos,

Could you please confirm that this is legitimate?

Thanks  
Rodney

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, February 19, 2021 12:52:45 AM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>; Rodney Joffe<rodney.joffe@team.neustar>  
**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
**Attachments:** An Invitation from Georgia Institute of Technology (Payments via ACHEFT).msg (133.5 KB)

Michael, is this legitimate?

Thanks, Manos

**From:** Rodney Joffe <rodney.joffe@team.neustar>

**Sent:** Thursday, February 18, 2021 19:35

**To:** Antonakakis, Manos

**Subject:** Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

Manos,

Could you please confirm that this is legitimate?

Thanks

Rodney

Microsoft Exchange Server;converted from html;

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos

**Sent on:** Friday, June 8, 2018 1:44:24 AM

**To:** Rodney Joffe<rjoffe@centergate.com>

**Subject:** Fwd: Engineered Biosystems Building

The meeting location for tomorrow morning. My talk starts at 10.30am.

---

Typos due to mobile device ...

Begin forwarded message:

**From:** "Farrell, Michael" <[HYPERLINK "mailto:Michael.Farrell@gtri.gatech.edu" Michael.Farrell@gtri.gatech.edu](mailto:Michael.Farrell@gtri.gatech.edu)>

**Date:** June 7, 2018 at 17:51:52 EDT

**To:** "Antonakakis, Emmanouil K" <[HYPERLINK "mailto:manos@gatech.edu" manos@gatech.edu](mailto:manos@gatech.edu)>

**Subject: Engineered Biosystems Building**

[Engineered Biosystems Building](#)  
[950 Atlantic Dr NW, Atlanta, GA 30332](#)

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Monday, October 18, 2021 12:52:43 PM  
**To:** Fuller, Christian<christian.fuller@legal.gatech.edu>  
**Subject:** Fwd: Open Records Act Request #102110

Christian, do you have time to discuss this?

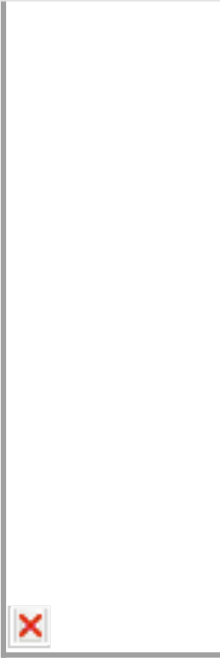
Thanks, Manos

**From:** Georgia Tech Open Records Office <openrecords@gatech.edu>  
**Sent:** Monday, October 18, 2021 08:45  
**To:** Antonakakis, Manos  
**Cc:** Georgia Tech Open Records Office  
**Subject:** Open Records Act Request #102110  
Good morning Dr. Antonakakis,

My office received the below Open Records Act request last week. Would you be able to assist with the items listed in Item #3 of the request? If so, please provide an estimate of the amount of time it will take to search for, retrieve and potentially redact the information, as well as your hourly rate in accordance with your Georgia Tech salary. This information will be used to provide the requestor with a cost estimate for production.

Please let me know if you have any questions. Thanks so much.

*Jamila Hudson-Allen*  
*Open Records Officer*  
*Office of Institute Communications*  
*Open Records Division*  
**GeorgiaInstitute ofTechnology**  
[openrecords@gatech.edu](mailto:openrecords@gatech.edu)



**From:** Krawiec, Margaret E <Margaret.Krawiec@skadden.com>  
**Sent:** Wednesday, October 13, 2021 11:51 AM  
**To:** Georgia Tech Open Records Office <openrecords@gatech.edu>  
**Cc:** Amaechi, Pamela I <Pamela.Amaechi@skadden.com>; McIntosh, Michael A <Michael.McIntosh@skadden.com>; Murday, Rebecca M <Rebecca.Murday@skadden.com>  
**Subject:** AO Alfa Bank v. John Doe et al // Open Records Request  
To Whom it May Concern:

I hope this email finds you well. My name is Margaret Krawiec and I represent AO Alfa Bank ("Alfa Bank") in a lawsuit pending in Florida state court, *AO Alfa-Bank v. John Doe et al.*, Case No. 50-2020-CA-006304-XXX MB (Fla. 15th Cir., filed June 11, 2020). I write to make a formal open records request from the University for the below-listed records. The time period for these requests is January 2016 to the present:

1. Cybersecurity research contracts awarded to the Georgia Institute of Technology ("Georgia Tech") by the U.S. Department of Defense in November 2016 ("DOD Contracts").
2. Any sub- contracts that Georgia Tech entered into with third parties in reference to the DOD Contracts including any confidentiality, terms of service, user agreements, or agreements related to the Domain Name System ("DNS") data.
3. Communications, documents, and computer data from Emmanouil "Manos" Antonakakis, David Dagon,



and other employees or contractors of Georgia Tech regarding:

1. The cyber security research contract awarded to the Georgia Institute of Technology by the U.S. Department of Defense in November 2016 and led by Mr. Antonakakis. This includes, but is not limited to, materials discussing Mr. Antonakakis's and Mr. Dagon's access to domain name system ("DNS") databases under this research contract;
  2. Draft or executed contracts regarding researchers' access to or use of DNS data, including but not limited to terms of service, confidentiality, and user agreements;
  3. Passive DNS collection systems, including but not limited to the DNS collection system referred to as "Thales";
  4. Allegations of secret communications between the Trump Organization and Alfa Bank. "Allegations of secret communications" is defined as the since-debunked theory that there was a covert or secret channel of communication between the Trump Organization and Alfa Bank prior to and following the 2016 U.S. presidential election;
  5. the Trump Organization server (IP address 66.216.133.29) or domains ("trump-email.com"; "contact-client.com"; hostnames "email1.trump-email.com" or "trump1.contact-client.com"; and any iterations involving alternate capitalization or concatenated versions thereof);
  6. the Alfa Bank server (IP addresses 217.12.96.15 and 217.12.97.15) or domains ("moscow.alfaintra.net," and any iterations involving alternate capitalization or concatenated versions thereof);
  7. AO Alfa-Bank, also known as "Alfa Bank";
  8. any analysis of computer data related to either the Trump Organization or Alfa Bank;
  9. analysis of computer data relating to the following entities: Cendyn, Listrak, Serenata, Denihan Hospitality Group, Spectrum Health, Heartland Payment Systems, Orbit Telecommunications, and Domo;
  10. allegations of Russian interference in U.S. elections;
  11. communications, documents, and computer data exchanged with individuals using the pseudonyms "Tea Leaves" or "Max";
  12. communications, documents, and computer data exchanged with April Lorenzen or Rodney Joffe;
  13. communications, documents, and computer data exchanged with Neustar, Inc., ZETAlytics LLC, or Dissect Cyber Inc.;
  14. communications, documents, and computer data exchanged with Packet Forensics LLC, VOSTROM Holdings, Inc., Centergate Research Group, LLC, or any other entities affiliated with Rodney Joffe;
  15. communications, documents, and computer data exchanged with Perkins Coie LLP, Michael Sussmann, Marc Elias, or any other affiliates of Perkins Coie;
  16. communications, documents, and computer data exchanged with Fusion GPS, Peter Fritsch, Glenn Simpson, Jacob "Jake" Berkowitz, Laura Seago or any other affiliates of Fusion GPS;
  17. communications, documents, and computer data exchanged with Daniel Jones, The Democracy Integrity Project, Advance Democracy Inc., Penn Quarter Group, Michael "Mikey" Dickerson, Matthew "Matt" Weaver, Layer Aleph or any other entity or individual affiliated with Daniel Jones; and
  18. communications, documents, and computer data exchanged with the Clinton Campaign or the Democratic National Committee.
4. Communications, documents, and computer data that were produced in response to subpoenas, discovery requests, informal document requests, or government inquiries, including but not limited to Special Counsel John Durham's investigation and the associated grand jury in *United States v. Sussman*, No. 1:21-cr-00582-CRC-1 (D.D.C. 2021) and that relate to (i) allegations of secret communications between the Trump Organization and Alfa Bank; (ii) the Trump Organization server or domains; (iii) Alfa Bank; (iv) analysis of computer data related to either the Trump Organization or Alfa Bank; (v) allegations of Russian interference in U.S. elections; or (vi) the John Doe Defendants or the Anonymous Researchers.

We would be happy to discuss the scope of these requests further over a call. Please let us know if you have any questions or would like to discuss.

Thanks,  
Margaret

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This email (and any attachments thereto) is intended only for use by the addressee(s) named herein and may contain legally privileged and/or confidential information. If you are not the intended recipient of this email, you are hereby notified that any dissemination, distribution or copying of this email (and any attachments thereto) is strictly prohibited. If you receive this email in error please immediately notify me at (212) 735-3000 and permanently delete the original email (and any copy of any email) and any printout thereof.

Further information about the firm, a list of the Partners and their professional qualifications will be provided upon request.

=====

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, May 18, 2018 12:45:39 AM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>; Hall, John<John.Hall@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** HACCS add on for Neustar

Michael, please work with John to make sure that Neustar gets the add on that we discussed.

John, Michael will be working with Allison (from DARPA) to make everything happen for Neustar. Michael will also navigate the internal GT process on your behalf. Please work with him, as he needs more information from you. Please, follow Michael's lead.

Rodney, GT is closing the fiscal year. This will have to wait until the new fiscal year kicks in (Michael, is this June or July 1st?).

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Sunday, November 14, 2021 5:17:53 PM  
**To:** McLaughlin, Steven W<swm@gatech.edu>; Abdallah, Chaouki T<ctabdallah@gatech.edu>  
**CC:** Keromytis, Angelos D<angelos@gatech.edu>  
**Subject:** Heads up  
**Attachments:** 5 False Narratives About The Spygate Indictment Of Michael Sussmann.pdf (534.78 KB)

Gentlemen,

The reporter inline wrote the attached article a couple of months ago and made the claim that my actions were equivalent to criminal conduct. We ignored the first article, as we were not consulted. This time around she asked us for a comment because will be writing a second stronger article possible replaying the same narrative.

Because I (or we?) might file a suit against her for knowingly writing false statements about me (and the work I did at GT), we had to respond with the way you see inline.

At some point we need to stop being quite about my role in all these. Being accused of criminal conduct is where I draw the line in this situation.

Manos

---

**From:** "Antonakakis, Manos" <manos@gatech.edu>  
**Date:** Sunday, November 14, 2021 at 12:09 PM  
**To:** "Schamel, Mark" <MSchamel@lowenstein.com>, "Jara, Ana" <AJara@lowenstein.com>  
**Subject:** Re: Media Request re Mr. David Dagon

Yes, this makes sense.

Thank you, Mark

---

**From:** "Schamel, Mark" <MSchamel@lowenstein.com>  
**Date:** Sunday, November 14, 2021 at 12:08 PM  
**To:** "Antonakakis, Manos" <manos@gatech.edu>, "Jara, Ana" <AJara@lowenstein.com>  
**Subject:** RE: Media Request re Mr. David Dagon

That was intentional. I wanted to push back hard on her crappy reporting. She is a hack. I think we are going to have to come out publicly at some point and say that. I want to make a record that we told her, clearly, what she was doing. If you ever want to file a suit, actual knowledge makes it much harder for her when we win.

**Mark E. Schamel**  
Partner  
Lowenstein Sandler LLP

T: 202.753.3805

M: 202.841.3401

F: 973.597.2400



---

**From:** Antonakakis, Manos <manos@gatech.edu>  
**Sent:** Sunday, November 14, 2021 12:00 PM  
**To:** Schamel, Mark <MSchamel@lowenstein.com>; Jara, Ana <AJara@lowenstein.com>  
**Subject:** Re: Media Request re Mr. David Dagon

No. What I mean is that is borderline rude to her. Effectively telling her that she is not good at what she does. While true, I would never put that in an email.

Manos

---

**From:** "Schamel, Mark" <[MSchamel@lowenstein.com](mailto:MSchamel@lowenstein.com)>  
**Date:** Sunday, November 14, 2021 at 11:56 AM  
**To:** "Antonakakis, Manos" <[manos@gatech.edu](mailto:manos@gatech.edu)>, "Jara, Ana" <[AJara@lowenstein.com](mailto:AJara@lowenstein.com)>  
**Subject:** RE: Media Request re Mr. David Dagon

Why don't I say that we have never had a position on the article?

**Mark E. Schamel**  
Partner  
Lowenstein Sandler LLP

T: 202.753.3805  
M: 202.841.3401  
F: 973.597.2400



---

**From:** Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)>

**Sent:** Sunday, November 14, 2021 11:52 AM

**To:** Schamel, Mark <[MSchamel@lowenstein.com](mailto:MSchamel@lowenstein.com)>; Jara, Ana <[AJara@lowenstein.com](mailto:AJara@lowenstein.com)>

**Subject:** Re: Media Request re Mr. David Dagon

Mark your off the record statement is aggressive but you know better than me what is right here.

The on the record statement is correct.

Guess/speculation: The title of the article could be "Researcher 1 back away from the article." Of course there is nothing we can do about it ... as Researcher 1 never supported the article. Whatever.

Thanks, Manos

---

**From:** "Schamel, Mark" <[MSchamel@lowenstein.com](mailto:MSchamel@lowenstein.com)>

**Date:** Sunday, November 14, 2021 at 11:42 AM

**To:** "Antonakakis, Manos" <[manos@gatech.edu](mailto:manos@gatech.edu)>, "Jara, Ana" <[AJara@lowenstein.com](mailto:AJara@lowenstein.com)>

**Subject:** RE: Media Request re Mr. David Dagon

Margot

OFF THE RECORD

Having read a couple of your other articles, I have real concerns about the objectivity of your reporting on this issue. Not only are your conclusions incorrect, but the facts clearly do not support the insinuations in the indictment or your questions.

Dr. Antonakakis is NOT alleged to have done anything improper, illegal, unethical or even negligent. Dr. Antonakakis is a WITNESS in this "case" against Mr. Sussman. Dr. Antonakakis is APOLITICAL and has never met Sussman or any of the others involved in what Sussman and/or the campaign may have been doing. If you understood the work being done in the lab that Dr. Antonakakis runs, you would understand that the work is of vital importance to our national security. If you understood the facts at all, you would understand that the researchers at Georgia Tech were doing their job when they looked into the allegations of contact and possible collusion between the Trump campaign and a foreign power. Had there been an allegation involving the other campaign for President, they would do the same. That is actually their job.

I would encourage you to check with your sources and you will find that there was absolutely nothing improper about the researchers doing the research they are contracted to do. It is also critical that you understand that they did not access any databases to discredit the Trump campaign, but simply looked at the data they are tasked with monitoring to determine the facts. That they did not confirm it in their limited review, does not mean it does not exist. That analysis would simply take more time than was dedicated.

It would do you well to stop conflating not finding something in a preliminary analysis with it not having happened. Even Mr. Joffe's "fuck" email response seems to indicate that the preliminary analysis did not produce a definitive answer and thus, why no conclusion was ever produced, it does not mean there was not contact.

I would also strongly encourage you to cease writing articles that even intimate that Dr. Antonakakis has done anything wrong. As even the Special Counsel in its rush to find a way to exonerate the Trump campaign has made it abundantly clear, Dr. Antonakakis is not a subject of any investigation and that there is absolutely no evidence that he has ever done anything improper. If you are saying anything short of that, you are making a very serious and actionable mistake.

As for your questions, I offer you the following ON THE RECORD answers below:

Mark

Did Mr. Antonakakis use any data provided by Mr. Joffe in the analysis which you say he stands behind?

Dr. Antonakakis stands behind all published and unpublished research of which he is an author, coming out the Georgia Tech research lab. Dr. Antonakakis is one of the leading researchers in his field in the world. In this case he reviewed a narrative, as presented to him, by a well-known and respected researcher and provided his feedback, as he does for more than 100 unpublished research articles he receives every year. Dr. Antonakakis was not involved in the production of this anonymous article and there is nothing to support the false narrative that he did.

Did he know that any of that data came from the government pursuant to a separate government contract?

You should double check your sources, as the premise or your question is incorrect. No data procured for a government contract for which Dr. Antonakakis is responsible was used for the production of this anonymous article. Even the Durham investigation has confirmed this fact.

Also, did he use a GitHub account to communicate with the others and if so why?

He did not and since that is a provable fact, you lack even a good faith basis to say otherwise. The only reason you would ask this question is to make it appear nefarious, when in fact it was anything but and if you have done your research you will know this.

And finally, was Mr. Joffe's "fuck" response concerning the first data run related to Trump and Alfa Bank not showing a connection? If not, what did that refer to?

This is a question for Mr. Joffe.

**Mark E. Schamel**  
Partner  
Lowenstein Sandler LLP

**T:** 202.753.3805

**M:** 202.841.3401

**F:** 973.597.2400



**From:** Margot Cleveland <[margotcleveland@gmail.com](mailto:margotcleveland@gmail.com)>

**Sent:** Saturday, November 13, 2021 11:53 PM

**To:** Schamel, Mark <[MSchamel@lowenstein.com](mailto:MSchamel@lowenstein.com)>

**Subject:** Fwd: Media Request re Mr. David Dagon

Dear Mr. Schamel,

I am writing an article on the Sussman indictment and have obtained a cache of emails involving data requests and communications between your client, Manos Antonakakis, and others, confirmed to the New York Times as the unnamed individuals discussed in the indictment, specifically, Mr. Joffe, Mr. David Dagon, and April Lorenzen. During this time frame, there were also emails between some of these individuals and Steve DeJong. Did Mr. Antonakakis use any data provided by Mr. Joffe in the analysis which you say he stands behind? Did he know that any of that data came from the government pursuant to a separate government contract?

Also, did he use a github account to communicate with the others and if so why? And finally, was Mr. Joffe's "fuck" response concerning the first data run related to Trump and Alfa Bank not showing a connection? If not, what did that refer to?

My deadline is tomorrow at noon.

Thank you,

Margot Cleveland

Senior Contributor, The Federalist



ReplyForward

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**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, February 1, 2018 3:09:15 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>; McLaughlin, Steven W<swm@gatech.edu>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Introductions Neustar <=> GT COE

Hey Lisa,

Allow me to introduce you the Dean and Southern Company Chair Dr. Steve McLaughlin. Steve, let me introduce you to the President and Chief Executive Officer of Neustar Lisa Hook.

Over the last two years Lisa and Rodney (the Founder of UltraDNS, and Senior Vice President and Fellow of Neustar) have been helping GT to perform again the major DoD project we have. As Neustar is aligned to the success of our research in this (and likely other future) project(s), perhaps it would make sense for you two to meet, next time Lisa is in town.

It would make a lot of sense to figure out how the collaboration between Neustar and GT can become stronger over the coming years.

Many thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, April 13, 2018 3:03:14 PM  
**To:** scotttaylor31415@gmail.com  
**CC:** Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Intros

Scott please meet Rodney. Rodney, please meet Scott. You two are local, and I think you should get together for lunch or dinner.

Thanks, Manos

---

Typos due to mobile device ...

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, March 11, 2021 6:01:56 PM  
**To:** Kline, Allison<allison.kline@darpa.mil>; Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>; Rodney Joffe<rodney.joffe@team.neustar>; Keromytis, Angelos D<angelos@gatech.edu>  
**Subject:** Just talked with Rodney

Folks, I should not have called him. That was a terrible idea.

As I speculated, he nearly chewed my head off. He said, all targeting analysis (*\*especially\** for SUNBURST) out of the SLD data is by definition an operational task and should not be given to USG/DoD via EA. I walked him back from that by saying what if we just give DARPA opaque information for DoD and a few other important USG networks only? He agreed to that but, he wants you to call him and explain why EA needs one more win to show the value in his data. Sorry, I could not answer that point for you.

He said this is the last thing he is doing for EA since he has not been treated correctly (and I am paraphrasing his exact statement for obvious reasons...)

I will work on a few slides for DoD and USG *\*opaque\** targeting SUNBURST analysis through the SLD GT datasets all day today and tomorrow. Please do not ask me to call Rodney again, I am losing face to someone that used to respect me in the industry.

Thanks, Manos

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, March 12, 2021 12:43:53 AM  
**To:** Kline, Allison<allison.kline@darpa.mil>; Rodney Joffe<rodney.joffe@team.neustar>  
**CC:** Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** New DARPA EA PM

Hey Rodney,

Allow me to re-introduce to Allison, who is the new EA PM. I think it would be a great idea for the two of you to get on a call and catch up about the status of things.

Thanks,

—

Manos Antonakakis, Ph.D. | manos@gatech.edu  
College of Engineering Dean's Professorship Chair and Associate Professor  
Co-Director Center for Cyber Operations Enquiry and Unconventional Sensing (COEUS)  
School of Electrical and Computer Engineering | Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Monday, September 17, 2018 11:50:00 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Re: [cw general] Change of Affiliation

Long story.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Monday, September 17, 2018 5:01:27 AM  
To: Antonakakis, Manos  
Subject: Fwd: [cw general] Change of Affiliation

One of yours?

Useful?

Begin forwarded message:

From: Paul Pearce <pearce@cs.berkeley.edu<mailto:pearce@cs.berkeley.edu>>  
Subject: [cw general] Change of Affiliation  
Date: September 15, 2018 at 3:04:12 PM EDT  
To: "~~~~ CrimeWare ~~~~" <cw-general@ops-trust.net<mailto:cw-general@ops-trust.net>>

Hello all,

I recently completed my PhD at UC Berkeley and have joined Georgia Tech as a professor of computer science.

I plan to keep doing the same type of research (abuse, cybercrime, APTs, censorship) and hope re-connect with you all at future events!

Aside: I am spending the next 10mo at Facebook as a visiting researcher with Site Integrity, but I am not representing them in any capacity, nor am I an appropriate contact for the company.

-Paul

--

[[ trident ]]: All message content remains the property of the author and must not be forwarded or redistributed without explicit permission.

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, April 2, 2021 6:23:19 PM  
**To:** Egerstedt, Magnus<magnus.egerstedt@ece.gatech.edu>; Blough, Douglas M<doug.blough@ece.gatech.edu>  
**CC:** Beyah, Raheem A<rbeyah@coe.gatech.edu>  
**Subject:** Re: [ece\_faculty] 2021-22 Promotion and Tenure cases  
**Attachments:** ManosAntonakakis\_cv\_040221.pdf (161.55 KB)

Thanks for the feedback, guys. Attached please find a semi-up-to-date CV. The only reason I asked is because people (within and outside GT) after my tenure case told to not wait for long until I go up for full. If my memory serves me right, one of these people was Raheem as well. In any case, let me know if I should wait or not. Happy to bring you offers (for full professor position with endowed Chair) from other places if that helps the process out.  
Thanks, Manos

---

**From:** Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>  
**Date:** Friday, April 2, 2021 at 12:49 PM  
**To:** Blough, Douglas M <doug.blough@ece.gatech.edu>, Antonakakis, Manos <manos@gatech.edu>  
**Subject:** Re: [ece\_faculty] 2021-22 Promotion and Tenure cases

Yup. I agree that Year 3 is pretty much a no-go. Year 4 is rare but not unheard of. Do you have a recent version of your cv so we can take a quick look and see if there are potential soft spots that you should tend to for this to be feasible?

/ Magnus

—  
Magnus Egerstedt, Ph.D.  
Steve W. Chaddick School Chair and Professor  
School of Electrical and Computer Engineering  
Georgia Institute of Technology

Georgia Tech ECE: Dreaming, Designing, and Getting it Done!

On 4/2/21, 10:57 AM, "Blough, Douglas M" <doug.blough@ece.gatech.edu> wrote:

Hi Manos,

The standard time for promotion is after 6 years in rank, just like from Assistant to Associate. Since you'd be in your 3rd year as Associate next year, it would be considered 3 years early. The College of Engineering has told us very clearly to not bring any 3-year-early full promotion cases forward. Let's revisit next year.

Magnus: Any additional thoughts?

Doug

On 4/2/21 10:32 AM, Antonakakis, Manos wrote:

> Hey Doug and Magnus,

>

> Should I apply for full or should I wait? I am in no real rush, just

> asking because I honestly do not know when the time is right to go up

> for full.  
>  
> Thanks, Manos  
>  
> \*From: \*ece\_faculty-request@lists.gatech.edu  
> <ece\_faculty-request@lists.gatech.edu> on behalf of Doug Blough  
> <doug.blough@ece.gatech.edu>  
> \*Date: \*Monday, March 29, 2021 at 1:48 PM  
> \*To: \*ece\_faculty@ece.gatech.edu <ece\_faculty@ece.gatech.edu>  
> \*Cc: \*Egerstedt, Magnus <magnus.egerstedt@ece.gatech.edu>  
> \*Subject: \*[ece\_faculty] 2021-22 Promotion and Tenure cases  
>  
> Dear Colleagues,  
>  
> We are preparing for this coming year's RPT cycle and the  
> deadlines for submitting paperwork have been distributed by  
> CoE.  
>  
> To comply with Institute deadlines, we need to know by April 16  
> if you are planning to apply for tenure and/or promotion in the  
> coming cycle. First drafts of tenure/promotion packages will be  
> due in early May and final packages will be due around the third  
> week of May.  
>  
> Faculty members with questions about whether or not to pursue  
> promotion and/or tenure should consult with both Magnus Egerstedt  
> and me.  
>  
> Please notify Magnus and me of your intention to apply by April 16.  
> This is a hard deadline.  
>  
> Thank you,  
>  
> Doug Blough  
> ECE Associate Chair for Faculty Development  
>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, February 1, 2018 3:24:41 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: [EXTERNAL] Fw: Introductions Neustar <=> GT COE

No Lisa, let me clarify.

Steve is the Dean of the College of Engineering. To put things into perspective, being the Dean of the College of Engineering makes him number 4 in the overall hierarchy of Georgia Tech, under the President, the Provost and the Executive Vice President of Research.

At the same time the Southern Company have created a life-long (and very prestigious) Endowed Chair for him at Georgia Tech. As you can imagine he is in very good terms with the highest people in the Southern Company. I do think the Southern Company has a presence in the Board of the College of Engineering.

Hope this is more clear.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Hook, Lisa <lisa.hook@team.neustar>  
Sent: Thursday, February 1, 2018 10:16:37 AM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney  
Subject: Re: [EXTERNAL] Fw: Introductions Neustar <=> GT COE

Is Steve dean of the school of engineering AND chairman of Southern Companies?

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer  
120 SW 8th Street, Miami FL 33130  
Office: 571.434.5630 Mobile: 202.907.5672  
lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

On Feb 1, 2018, at 10:15, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Hey Lisa,

Just finished a long meeting with Steve. I expressed to him how important this collaboration is for GT. He suggested that you two could meet the next time you are in Atlanta. Unfortunately, for reasons I can explain over the phone, he does not travel very often.

I suspect that Steve (among other things) wants see if you would be interested in a Board position at the College of Engineering.

Thanks,

---

Manos Antonakakis | manos@gatech.edu<mailto:manos@gatech.edu>  
Georgia Institute of Technology  
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From: Antonakakis, Manos  
Sent: Thursday, February 1, 2018 10:09 AM  
To: Hook, Lisa; McLaughlin, Steven W  
Cc: Joffe, Rodney  
Subject: Introductions Neustar <=> GT COE

Hey Lisa,

Allow me to introduce you the Dean and Southern Company Chair Dr. Steve McLaughlin. Steve, let me introduce you to the President and Chief Executive Officer of Neustar Lisa Hook.

Over the last two years Lisa and Rodney (the Founder of UltraDNS, and Senior Vice President and Fellow of Neustar) have been helping GT to perform again the major DoD project we have. As Neustar is aligned to the success of our research in this (and likely other future) project(s), perhaps it would make sense for you two to meet, next time Lisa is in town.

It would make a lot of sense to figure out how the collaboration between Neustar and GT can become stronger over the coming years.

Many thanks,

---

Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)<<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
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**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, January 18, 2018 4:56:57 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>; Naperkoski, Valerie<Valerie.Naperkoski@team.neustar>; Gregory, Liebe<Liebe.Gregory@team.neustar>  
**Subject:** Re: [EXTERNAL] Re: Friday

Lisa, I am usually at the office by 8.00am. Anytime that works for you.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hook, Lisa <lisa.hook@team.neustar>  
Sent: Thursday, January 18, 2018 11:55:40 AM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Naperkoski, Valerie; Gregory, Liebe  
Subject: Re: [EXTERNAL] Re: Friday

Can we move forward to 9?

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer  
120 SW 8th Street, Miami FL 33130  
Office: 571.434.5630 Mobile: 202.907.5672  
lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

On Jan 17, 2018, at 17:26, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Hey Lisa, absolutely!

My office is at the Klaus Advance Computing Building, 3rd floor, Room 3364. I can send you the visitor parking direction if you will be driving in.

My cell is [REDACTED], in case you need to call me.

Many thanks,

Manos

---  
Typos due to mobile device ...

On Jan 17, 2018, at 20:04, Hook, Lisa <lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>> wrote:

Manos,

I am in Atlanta for meetings on Friday and am wondering if you are in town and free at 9:30 to meet at school. Would love to catch up.

Best,

Lisa

Lisa A. Hook

Neustar, Inc./President and Chief Executive Officer

120 SW 8th Street, Miami, FL 33130

Office: 571/434-5630. Mobile:202/907-5672

Lisa.Hook@team.neustar<mailto:Lisa.Hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, January 18, 2018 5:04:43 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>; Naperkoski, Valerie<Valerie.Naperkoski@team.neustar>; Gregory, Liebe<Liebe.Gregory@team.neustar>  
**Subject:** Re: [EXTERNAL] Re: Friday

Fantastic --- looking forward to it Lisa!

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hook, Lisa <lisa.hook@team.neustar>  
Sent: Thursday, January 18, 2018 12:03:39 PM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Naperkoski, Valerie; Gregory, Liebe  
Subject: Re: [EXTERNAL] Re: Friday

Thanks. Will see you at 9! I don't have any agenda -- just want to meet, catch up.

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer  
120 SW 8th Street, Miami FL 33130  
Office: 571.434.5630 Mobile: 202.907.5672  
lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

On Jan 18, 2018, at 08:57, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Lisa, I am usually at the office by 8.00am. Anytime that works for you.

Thanks,

---

Manos Antonakakis | manos@gatech.edu<mailto:manos@gatech.edu>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hook, Lisa <lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>>  
Sent: Thursday, January 18, 2018 11:55:40 AM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Naperkoski, Valerie; Gregory, Liebe  
Subject: Re: [EXTERNAL] Re: Friday

Can we move forward to 9?

Lisa A. Hook  
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On Jan 17, 2018, at 17:26, Antonakakis, Manos

<manos@gatech.edu<mailto:manos@gatech.edu><mailto:manos@gatech.edu>> wrote:

Hey Lisa, absolutely!

My office is at the Klaus Advance Computing Building, 3rd floor, Room 3364. I can send you the visitor parking direction if you will be driving in.

My cell is [REDACTED], in case you need to call me.

Many thanks,

Manos

---

Typos due to mobile device ...

On Jan 17, 2018, at 20:04, Hook, Lisa

<lisa.hook@team.neustar<mailto:lisa.hook@team.neustar><mailto:lisa.hook@team.neustar>> wrote:

Manos,

I am in Atlanta for meetings on Friday and am wondering if you are in town and free at 9:30 to meet at school. Would love to catch up.

Best,

Lisa

Lisa A. Hook

Neustar, Inc./President and Chief Executive Officer

120 SW 8th Street, Miami, FL 33130

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Lisa.Hook@team.neustar<mailto:Lisa.Hook@team.neustar><mailto:Lisa.Hook@team.neustar>/www.neustar.biz<http://ww

**From:** Sussmann, Michael A. (Perkins Coie)<MSussmann@perkinscoie.com>  
**Sent on:** Thursday, April 12, 2018 4:01:46 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**CC:** Lisa Hook<lisa.hook@team.neustar>; Rodney Joffe<rodney.joffe@team.neustar>  
**Subject:** Re: [EXTERNAL] Re: Intro

Manos,

Rodney is helping me prepare a proposal and description of the commercial services that you plan to offer in July or thereafter. Rodney is tied up today, but has time to help me this evening. I was merely reaching out to you on the chance that you had some time today to help get started and thereby make my work with Rodney this evening go quicker. I'll connect with Rodney later, and one of us will let you know if we need anything from you in this regard.

Safe travels, and thanks for your responsiveness. I look forward to meeting you.

Michael

On Apr 12, 2018, at 11:53 AM, Rodney Joffe <rodney.joffe@team.neustar> wrote:

Hi Manos,

Glad to know that you are on your way to DC.

Let's try meet up while you are here, you, me and Michael.

Then we can talk through everything :-). Better than email.

What is your DC schedule?

> On Apr 12, 2018, at 11:51 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Lisa, I just boarded a flight to DC, where I will spend the rest of my day with meetings at DARPA. Tomorrow, my entire day will be spent at the HACCs kickoff meeting where I will be presenting the 4 years research agenda of the program.

>

> Michael, nice to meet you. I can get on a call today between 17.00 and 18.00, tomorrow after 20.00 and over the weekend anytime you want. All times are EST.

>

> To be totally honest, I would like to clarify what the request is here as a first step. What I sent Rodney was discoveries of malicious activities in the AU networks as part of technology we are creating for the USG. This is not technology that is related with Neustar — beyond the fact that we used your data.

>

> Could Neustar offer something similar? Sure, since you have the data. :) However, what GT is doing (the technology we are generating) is for the USG (DoD to be precise).

>

> Thanks and hopefully this message clarifies things a bit.

>

> Manos

> ---

> Typos due to mobile device ...

>

>> On Apr 12, 2018, at 11:39, Hook, Lisa <lisa.hook@team.neustar> wrote:

>>

>> Manos meet Michael,

>>

>> Michael is our longtime outside counsel on national security and other issues. He is working with Rodney on a proposal to provide analytics similar to what you are doing in Australia.

>>

>> Rodney is closed off right now and Michael needs someone to speak to for more details on the service we provide so he can write up a proposal.

>>

>> Hoping you two can jump on the phone asap.

>>

>> Thanks -- Lisa

>>

>>

>> Lisa A. Hook

>> Neustar Inc/ President & Chief Executive Officer

>> 120 SW 8th Street, Miami FL 33130

>> Office: 571.434.5630 Mobile: 202.907.5672 [lisa.hook@team.neustar/www.neustar.biz](mailto:lisa.hook@team.neustar/www.neustar.biz)

---

NOTICE: This communication may contain privileged or other confidential information. If you have received it in error, please advise the sender by reply email and immediately delete the message and any attachments without copying or disclosing the contents. Thank you.

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, July 3, 2018 6:27:35 PM  
**To:** Ahamad, Mustaque<mustaq@cc.gatech.edu>  
**Subject:** Re: Adjunct appointment/renewal for Manos Antonakakis  
**Attachments:** ManosAntonakakis\_cv.pdf (118 KB)

Here you go, Mustaque.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Ahamad, Mustaque  
Sent: Tuesday, July 3, 2018 2:14:06 PM  
To: Antonakakis, Manos  
Subject: FW: Adjunct appointment/renewal for Manos Antonakakis

Manos,

Please send me a copy of your CV and I will take care of the rest.

Mustaque

From: "Prvulovic, Milos" <milos@cc.gatech.edu>  
Date: Tuesday, July 3, 2018 at 1:04 PM  
To: "wenke@cc.gatech.edu" <wenke@cc.gatech.edu>, Mustaque Ahamad <mustaq@cc.gatech.edu>  
Subject: Adjunct appointment/renewal for Manos Antonakakis

Hi Wenke and Mustaque,

the SCS records indicate that Manos was appointed as adjunct faculty more than three years ago, but apparently we have no record of who his faculty sponsor was then. Technically, this appointment has expired, but since we didn't consider it for renewal at the time when it was about to expire (I don't even know when that was) I think it should be treated as a renewal now. Please let me know if you think differently (just treat it as expired?), but if it is to be renewed we will need the same information as for other renewals - two SCS sponsors, Manos's CV, and the renewal form.

Also, we have Steve Cross among our "don't know when the appointment was supposed to expire but it was a while ago" adjunct faculty, so if one of you was his contact or know who was, please let me know...

Thanks,

Milos

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, August 30, 2018 8:47:49 PM  
**To:** Riley, Theresa<Theresa.Riley@team.neustar>; Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: Availability for tomorrow with Venkat

Theresa, I can do 15.00-16.00 ET tomorrow.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Riley, Theresa <Theresa.Riley@team.neustar>  
Sent: Thursday, August 30, 2018 4:46:34 PM  
To: Antonakakis, Manos; Joffe, Rodney  
Subject: Availability for tomorrow with Venkat

Good afternoon gentlemen. Venkat would like to have a call either from 2:00 – 3:00 p.m. Eastern or 3:00 – 4:00 p.m. Eastern. Would you be able to accommodate either of those times tomorrow?

Please let me know and I will send out a calendar invite.

Thanks,  
Theresa



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, September 27, 2019 2:05:53 AM  
**To:** Dillon, Linda<linda.dillon@ece.gatech.edu>  
**CC:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**Subject:** Re: CV  
**Attachments:** ManosAntonakakis\_cv.pdf (118 KB)

Linda, let me know if the attached will work.

Thanks,

---

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Dillon, Linda <linda.dillon@ece.gatech.edu>  
Sent: Thursday, September 26, 2019 8:02 AM  
To: Antonakakis, Manos  
Cc: Mitchell, Michael F  
Subject: CV

Hi Manos,

Can you please send a current copy of your CV to me?

Thank you,  
Linda

Linda Dillon  
Assistant Director of Administrative Operations  
Georgia Institute of Technology  
School of Electrical and Computer Engineering  
Office Phone: 404.894.7574  
Email: linda.dillon@ece.gatech.edu<mailto:linda.dillon@ece.gatech.edu>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Monday, December 2, 2019 5:17:26 PM  
**To:** Kimberly Templeton<kimberly.templeton@agbsearch.com>  
**Subject:** Re: CV  
**Attachments:** AGBSearch-Logo+Tagline-2C.png (72.44 KB), ManosAntonakakis\_cv\_2019.pdf (110.36 KB)

Kimberly, the last time I updated my CV was almost a year ago when I went up for tenure. Did a few quick updates (between meetings) and I am sending it to you. However, please keep in mind that it does not contains all up to date information.

Thanks,

—  
Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Kimberly Templeton <kimberly.templeton@agbsearch.com>  
Sent: Monday, December 2, 2019 10:29 AM  
To: Antonakakis, Manos  
Subject: CV

Hi Manos:

Might you be able to send me your CV so I can share it with Nadya and Kyle?

Best,

Kimberly

Kimberly Templeton, J.D.

Principal

AGB Search  
202.776.0820 Office

540.761.9494 Mobile

1133 20th Street NW, Suite 300, Washington, DC 20036

kimberly.templeton@agbsearch.com<mailto:kimberly.templeton@agbsearch.com>

[AGBSearch-Logo+Tagline-2C.png]

**From:** Mitchell, Michael F<fvirgil6@gatech.edu> on behalf of Mitchell, Michael F  
**Sent on:** Wednesday, April 14, 2021 6:31:26 PM  
**To:** Rodney Joffe<rodney.joffe@team.neustar>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** RE: Data subscription extension

Hey Rodney,

I was following up on the requisition that I put in for this and found that the PO was executed for this. The PO number is PO-5145022. If you have not yet done so, would you please send an invoice for this PO to [apinvoices@gatech.edu](mailto:apinvoices@gatech.edu) with a subject line of PO-5145022?

Let me know if you have any questions or need help on this.

Thanks!

Michael

-----Original Message-----

From: Rodney Joffe <[rodney.joffe@team.neustar](mailto:rodney.joffe@team.neustar)>  
Sent: Friday, February 12, 2021 2:57 PM  
To: Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)>  
Cc: Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>  
Subject: Re: Data subscription extension

Hi Manos and Michael,

We think we have accurately completed the registration form. Please let me know if there is anything else needed.

Thanks!  
Rodney

> On Feb 12, 2021, at 11:51 AM, Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)> wrote:

>  
> OK, let start asap. I cannot go back to DARPA and say that I cannot do this because GT is not moving fast enough. I will lose face.

>  
>  
>  
> Manos

>  
>  
>  
> From: Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>  
> Date: Friday, February 12, 2021 at 11:31 AM  
> To: Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)>, Rodney Joffe <[rodney.joffe@team.neustar](mailto:rodney.joffe@team.neustar)>  
> Subject: RE: Data subscription extension

>  
> Manos,

>  
>  
>  
> It really depends on how quickly the subsidiary is able to get registered in the system (outside of our control), send us the quote, and how responsive they are to the inquiries and requests for documentation that procurement needs. I would say probably 3 weeks on the short side accounting for some back and forth between supplier and contracting officer.

>  
>  
>  
> Rodney,

>  
>  
>  
> Would you please have the new company register as a vendor in our system. No action on our part can be completed

until we have the quote and the new company's registration is done. This link will allow for a new account to be set up, including routing details for payments on future invoices. A new PO will be issued.

>  
>  
>  
>  
>  
<https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwd5.myworkdaysite.com%2Fsupplier%2Fgatech%2F>

> Let me know if you have questions!

> M

> From: Antonakakis, Manos <manos@gatech.edu>  
> Sent: Friday, February 12, 2021 9:29 AM  
> To: Rodney Joffe <rodney.joffe@team.neustar>; Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
> Subject: Re: Data subscription extension

> Rodney this makes sense.

> Michael, can I get an ETA on this being one?

> Thanks, Manos

> From: Rodney Joffe <rodney.joffe@team.neustar>  
> Date: Thursday, February 11, 2021 at 9:39 PM  
> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
> Cc: Antonakakis, Manos <manos@gatech.edu>  
> Subject: Re: Data subscription extension

> Hello Michael,

> Thank you for the opportunity.

> I will have the quote prepared for you by Monday. It will be a new quote, with the same general terms and conditions as the original contract. However, it will cover 3 months, and it will confirm that if needed, an additional PO for the remainder of 2021 will be valid at the same rate and terms.

> Will this work for your purposes, or will you need any other changes?

> One point from Neustar's side - we now contract for all sensitive contracts through our Government Subsidiary, ERP Services, Inc, a wholly owned subsidiary of Neustar, Inc. I assume this will also not be an issue for you?

> Regards

> Rodney

> =====

> Rodney Joffe

> SVP, and Fellow

> National Security Executive

> Neustar, Inc.

> 45980 Center Oak Plaza

> Sterling VA 20166  
> USA  
> +1 202-533-2900 Direct  
> +1 602-418-6471 Cell  
> rodney.joffe@team.neustar

>> On Feb 11, 2021, at 5:05 PM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:

>> Good Afternoon Rodney,

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>> GEORGIA Institute  
>> of TECH nology  
>> School of Electrical and Computer Engineering  
>> 777 Atlantic Drive NW  
>> Atlanta, GA 30332-0765  
>> Office: 404-385-8122  
>> Mobile: 770-655-8039

**From:** Mitchell, Michael F<fvirgil6@gatech.edu> on behalf of Mitchell, Michael F  
**Sent on:** Wednesday, April 14, 2021 6:31:26 PM  
**To:** Rodney Joffe<rodney.joffe@team.neustar>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** RE: Data subscription extension

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Let me know if you have any questions or need help on this.

Thanks!

Michael

-----Original Message-----

From: Rodney Joffe <[rodney.joffe@team.neustar](mailto:rodney.joffe@team.neustar)>  
Sent: Friday, February 12, 2021 2:57 PM  
To: Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)>  
Cc: Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>  
Subject: Re: Data subscription extension

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> From: Rodney Joffe <rodney.joffe@team.neustar>  
> Date: Thursday, February 11, 2021 at 9:39 PM  
> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
> Cc: Antonakakis, Manos <manos@gatech.edu>  
> Subject: Re: Data subscription extension

>  
> Hello Michael,

>  
> Thank you for the opportunity.

>  
> I will have the quote prepared for you by Monday. It will be a new quote, with the same general terms and conditions as the original contract. However, it will cover 3 months, and it will confirm that if needed, an additional PO for the remainder of 2021 will be valid at the same rate and terms.

>  
> Will this work for your purposes, or will you need any other changes?

>  
> One point from Neustar's side - we now contract for all sensitive contracts through our Government Subsidiary, ERP Services, Inc, a wholly owned subsidiary of Neustar, Inc. I assume this will also not be an issue for you?

>  
> Regards

> Rodney

> =====

> Rodney Joffe

> SVP, and Fellow

> National Security Executive

> Neustar, Inc.

> 45980 Center Oak Plaza

> Sterling VA 20166

> USA

> +1 202-533-2900 Direct

> +1 602-418-6471 Cell

> rodney.joffe@team.neustar

>  
>> On Feb 11, 2021, at 5:05 PM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:

>>  
>> Good Afternoon Rodney,

>>  
>> I spoke with Manos earlier today regarding the short term extension of our project and the need to extend our data subscription. Would you be able to provide me with a quote for the additional period you discussed? I would greatly appreciate it!

>>  
>> Thanks,

>>  
>> Michael Mitchell

>>  
>> Research Operations Program Manager

> > GEORGIA Institute  
> > of TECHNOLOGY  
> > School of Electrical and Computer Engineering  
> > 777 Atlantic Drive NW  
> > Atlanta, GA 30332-0765  
> > Office: 404-385-8122  
> > Mobile: 770-655-8039

>  
>  
>  
>

**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Friday, February 12, 2021 7:57:09 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**CC:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**Subject:** Re: Data subscription extension

Hi Manos and Michael,

We think we have accurately completed the registration form. Please let me know if there is anything else needed.

Thanks!  
Rodney

> On Feb 12, 2021, at 11:51 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> OK, let start asap. I cannot go back to DARPA and say that I cannot do this because GT is not moving fast enough. I will lose face.

>

>

>

> Manos

>

>

>

> From: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

> Date: Friday, February 12, 2021 at 11:31 AM

> To: Antonakakis, Manos <manos@gatech.edu>, Rodney Joffe <rodney.joffe@team.neustar>

> Subject: RE: Data subscription extension

>

> Manos,

>

>

>

> It really depends on how quickly the subsidiary is able to get registered in the system (outside of our control), send us the quote, and how responsive they are to the inquiries and requests for documentation that procurement needs. I would say probably 3 weeks on the short side accounting for some back and forth between supplier and contracting officer.

>

>

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> Rodney,

>

>

>

> Would you please have the new company register as a vendor in our system. No action on our part can be completed until we have the quote and the new company's registration is done. This link will allow for a new account to be set up, including routing details for payments on future invoices. A new PO will be issued.

>

>

>

>

> <https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwd5.myworkdaysite.com%2Fsupplier%2Fgatech%2F>

>

>

>

> Let me know if you have questions!

>

>

>

> M

>

>

>

>

>  
> From: Antonakakis, Manos <manos@gatech.edu>  
> Sent: Friday, February 12, 2021 9:29 AM  
> To: Rodney Joffe <rodney.joffe@team.neustar>; Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
> Subject: Re: Data subscription extension

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>  
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> Rodney this makes sense.

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>  
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> Date: Thursday, February 11, 2021 at 9:39 PM  
> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
> Cc: Antonakakis, Manos <manos@gatech.edu>  
> Subject: Re: Data subscription extension

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> Regards

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> Rodney Joffe

> SVP, and Fellow

> National Security Executive

> Neustar, Inc.

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> Sterling VA 20166

> USA

> +1 202-533-2900 Direct

> +1 602-418-6471 Cell

> rodney.joffe@team.neustar

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>>  
>> Michael Mitchell

>>  
>> Research Operations Program Manager



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> > 777 Atlantic Drive NW  
> > Atlanta, GA 30332-0765  
> > Office: 404-385-8122  
> > Mobile: 770-655-8039

>  
>  
>  
>

**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Friday, February 12, 2021 5:17:55 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**CC:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**Subject:** Re: Data subscription extension

We're on it.

> On Feb 12, 2021, at 11:51 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> OK, let start asap. I cannot go back to DARPA and say that I cannot do this because GT is not moving fast enough. I will lose face.

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> From: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
> Date: Friday, February 12, 2021 at 11:31 AM  
> To: Antonakakis, Manos <manos@gatech.edu>, Rodney Joffe <rodney.joffe@team.neustar>  
> Subject: RE: Data subscription extension

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>>  
>> Michael Mitchell

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>> Research Operations Program Manager  
>> GEORGIA Institute  
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>> School of Electrical and Computer Engineering  
>> 777 Atlantic Drive NW  
>> Atlanta, GA 30332-0765  
>> Office: 404-385-8122  
>> Mobile: 770-655-8039

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, May 19, 2020 10:16:07 PM  
**To:** Nemeth, Jacqueline L<jackie.nemeth@ece.gatech.edu>  
**Subject:** Re: Dean's Professorship  
**Attachments:** ManosAntonakakis\_cv\_2019.pdf (110.36 KB)

Thank you Jackie. Attached is an older CV with does not include three new research papers, two new students and \$10M in research funding that I was awarded the last two weeks. Inline please find my long Bio. Please let me know if you need anything else.

Dr. Manos Antonakakis (PhD'12), is an Associate Professor in the School of Electrical and Computer Engineering (ECE), and co-Director of the Center for Cyber Operations Enquiry and Unconventional Sensing (COEUS) at Georgia Tech ECE. Dr. Antonakakis currently also serve's as the co-chair of the Academic Committee for the Messaging Anti-Abuse Working Group (MAAWG). He is responsible for the Astrolavos Lab, where students conduct research in the areas of attack attribution, network security and privacy, intrusion detection, and data mining.

Throughout his six year tenure at Georgia Tech, Antonakakis has raised more than \$53M in research funding from government agencies and the private sector. In April of 2018 he received the Outstanding Achievement in Research Development award from the Georgia Institute of Technology. He is the author of multiple U.S. patents in the areas of security and machine learning, and the author of more than 35 academic publications that have been featured at international, peer-reviewed conferences. In May 2012, he received his Ph.D. in Computer Science from the Georgia Institute of Technology. His PhD thesis considered the seminal work in DNS Security and DNS-based Statistical learning, and it is the first PhD thesis worldwide on statistical learning in DNS security.

Prior to joining Georgia Tech as faculty, Antonakakis served as chief scientist at Damballa, where his research supported early threat detection and prevention tools. Prior to joining Damballa, he worked for IBM/ISS and was a guest researcher at the National Institute of Standards and Technology - US Department of Commerce.

He served multiple times as a program committee member for all tier-one information security conferences. He also have received two distinguished reviewer awards for his service to these premier academic venues (RAID 2016 and IEEE S&P 2019). His service to the Department of Defense (DoD), Intelligence Community (IC) and law enforcement organizations (LEOs) spans nearly a decade. In his most recent recognition, Dr. Antonakakis received the Certificate of Appreciation for service provided to the 2nd Cyber Protection Battalion of the U.S. Army at Fort Gordon.

---

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Nemeth, Jacqueline L <jackie.nemeth@ece.gatech.edu>  
Sent: Tuesday, May 19, 2020 5:40 PM  
To: Antonakakis, Manos  
Subject: Re: Dean's Professorship

Hi Manos,

I will start working on the announcement for your professorship tomorrow. Would you please send me a recent short bio and CV that I can work from? I'll put together a draft and will send it to you to review. Once we're both happy with it, I'll send the announcement to Magnus to review and then send to the ECE community on behalf of himself and Steve McLaughlin.

Thanks and congratulations again — I am very happy for you! ☐☐

Jackie  
\*\*\*\*\*  
Jackie Nemeth

Georgia Institute of Technology  
School of Electrical and Computer Engineering  
Atlanta, GA 30332-0250  
Phone: 404-894-2906  
Email: jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu>

On May 14, 2020, at 9:33 AM, Nemeth, Jacqueline L  
<jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu>> wrote:

Hi Manos,

I'll be in touch with you early next week about this announcement. I'm in the midst of reviewing promotion and tenure paperwork, and I hope to be finished with it by the end of this week.

Congratulations again on this well-deserved professorship!

Jackie

\*\*\*\*\*

Jackie Nemeth  
Georgia Institute of Technology  
School of Electrical and Computer Engineering  
Atlanta, GA 30332-0250  
Phone: 404-894-2906  
Email: jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu>

On May 14, 2020, at 9:17 AM, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Thank you Jackie!

Please tell me what you need from me, and I will send it your way asap.

Thanks,

—  
Manos Antonakakis | Associate Professor | manos@gatech.edu<mailto:manos@gatech.edu>  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Nemeth, Jacqueline L <jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu>>  
Sent: Thursday, May 14, 2020 8:47 AM  
To: Egerstedt, Magnus  
Cc: Antonakakis, Manos  
Subject: Re: Dean's Professorship

Hi Magnus,

Sure, will do! Congratulations, Manos, on this terrific achievement; you deserve this very much. I'll be in touch with you as soon as I can to work on this announcement.

Best regards,

Jackie

\*\*\*\*\*

Jackie Nemeth

Georgia Institute of Technology

School of Electrical and Computer Engineering

Atlanta, GA 30332-0250

Phone: 404-894-2906

Email: jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu><mailto:jackie.nemeth@ece.gatech.edu>

On May 14, 2020, at 7:37 AM, Egerstedt, Magnus

<magnus.egerstedt@ece.gatech.edu<mailto:magnus.egerstedt@ece.gatech.edu><mailto:magnus.egerstedt@ece.gatech.edu>  
wrote:

Hello Jackie; Manos has been awarded the Dean's Professorship, effective July 1 and I would like to send out a congratulatory email to this effect. This professorship resides in the College and after talking to Steve about the announcement, we agreed that I should send it out (like we normally do) but on behalf of both myself and Steve.

Can you please work with Manos to produce the announcement?

Thanks! / Magnus

—

Magnus Egerstedt, Ph.D.

Steve W. Chaddick School Chair and Professor

School of Electrical and Computer Engineering

Georgia Institute of Technology

www.ece.gatech.edu<http://www.ece.gatech.edu/><http://www.ece.gatech.edu/>

www.ece.gatech.edu/~magnus<http://www.ece.gatech.edu/~magnus><http://www.ece.gatech.edu/~magnus>

Georgia Tech ECE: Dreaming, Designing, and Getting it Done!

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Wednesday, April 21, 2021 1:39:47 PM  
**To:** Baki Yilmaz<baki@aetherargus.com>  
**CC:** Angelos D. Keromytis<angelos@aetherargus.com>  
**Subject:** Re: Green Card Recommendation Letter (A. Keromytis)  
**Attachments:** recommendation\_letter\_baki\_yilmaz.pdf (32.76 KB), ManosAntonakakis\_cv.pdf (161.55 KB)

Here you go, Baki. Let me know if you need anything else.

Good luck!

Manos

---

From: Baki Yilmaz <baki@aetherargus.com>  
Sent: Wednesday, April 21, 2021 9:00 AM  
To: Antonakakis, Manos  
Cc: Angelos D. Keromytis  
Subject: Green Card Recommendation Letter (A. Keromytis)

Dear Professor Manos Antonakakis,

I hope you are doing well. My name is Baki Yilmaz and I am working for a company that Angelos Keromytis leads. I am writing this email for the recommendation letter of the green card petition. I think Dr Keromytis contacted you one months ago about the matter.

I have attached my CV, a complete recommendation letter and my papers that I mentioned in the letter. I have tried to fill the parts about you based on the information on your website.

I would kindly request for your signature in my recommendation letter. I will really appreciate it if you sign my recommendation letter and send your CV. You can make any changes on the recommendation letter as you wish. Please let me know if you need any more information.

--

Kind regards,  
Baki Yilmaz

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, May 18, 2018 7:08:14 PM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>; Hall, John<John.Hall@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>; Lamb, Lewis<Lewis.Lamb@team.neustar>  
**Subject:** Re: HACCS add on for Neustar

You do not need me in this meeting.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Mitchell, Michael F  
Sent: Friday, May 18, 2018 3:07:36 PM  
To: Hall, John; Antonakakis, Manos  
Cc: Joffe, Rodney; Lamb, Lewis  
Subject: RE: HACCS add on for Neustar

Hey John,

My schedule is very flexible on Monday so how about 10AM, 11AM, or 1PM?

Michael Mitchell

Research Operations Program Manager  
GEORGIA Institute  
of TECH nology  
School of Electrical and Computer Engineering  
777 Atlantic Drive NW  
Atlanta, GA 30332-0765  
Phone: 404-385-8122

-----Original Message-----

From: Hall, John <John.Hall@team.neustar>  
Sent: Friday, May 18, 2018 2:10 PM  
To: Antonakakis, Manos <manos@gatech.edu>; Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
Cc: Joffe, Rodney <Rodney.Joffe@team.neustar>; Lamb, Lewis <Lewis.Lamb@team.neustar>  
Subject: Re: HACCS add on for Neustar

Thanks Manos.

Hi Michael. Are you available for a call to discuss this on Monday?  
Please send a couple of times that work for you.

Thanks in advance,

John W Hall  
Neustar, Inc. / Sr. Director - Federal Business  
[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

---

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---

On 5/17/18, 8:45 PM, "Antonakakis, Manos" <manos@gatech.edu> wrote:

>Michael, please work with John to make sure that Neustar gets the add  
>on that we discussed.

>

>John, Michael will be working with Allison (from DARPA) to make  
>everything happen for Neustar. Michael will also navigate the internal  
>GT process on your behalf. Please work with him, as he needs more  
>information from you. Please, follow Michael's lead.

>

>Rodney, GT is closing the fiscal year. This will have to wait until the  
>new fiscal year kicks in (Michael, is this June or July 1st?).

>

>Thanks,

>

>

>Manos Antonakakis | manos@gatech.edu

>Georgia Institute of Technology

>FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Saturday, May 19, 2018 1:53:02 AM  
**To:** Hall, John<John.Hall@team.neustar>  
**Subject:** Re: HACCS add on for Neustar

Likewise, John.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hall, John <John.Hall@team.neustar>  
Sent: Friday, May 18, 2018 4:49:13 PM  
To: Antonakakis, Manos  
Subject: Re: HACCS add on for Neustar

Ack. Have a nice weekend

John W Hall  
Neustar, Inc. / Sr. Director – Federal Business  
[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

---

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On 5/18/18, 3:08 PM, "Antonakakis, Manos" <manos@gatech.edu> wrote:

>You do not need me in this meeting.

>

>—

>Manos Antonakakis | manos@gatech.edu  
>Georgia Institute of Technology  
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>

>

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>>Georgia Institute of Technology  
>>FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>  
>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Monday, July 23, 2018 8:28:51 PM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>; Hall, John<John.Hall@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: HACCS program updates

Michael, many thanks for the update. Per our discussion, I would like to be CCed on all further communications you have with Neustar about both EA or HACCS issues. I would suggest you include Rodney on these emails too.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Mitchell, Michael F  
Sent: Monday, July 23, 2018 2:49:32 PM  
To: Hall, John  
Cc: Antonakakis, Manos  
Subject: HACCS program updates

Hey John,

I just got off the phone with Dan Sible, who is the contracting contact for Georgia Tech in charge of the HACCS program. I have briefed him on the situation and how time sensitive it is and the difficulties involved for everyone. He has agreed to push the addendum in front of his leadership team to try and accelerate the negotiations between GT and DARPA. I have requested that he update me as quickly as possible on this, and I in turn will update you as things happen.

My apologies for the confusion on this. I hope to have some additional information for you shortly.

Thanks!

Michael Mitchell

Research Operations Program Manager  
GEORGIA Institute  
of TECH nology  
School of Electrical and Computer Engineering  
777 Atlantic Drive NW  
Atlanta, GA 30332-0765  
Phone: 404-385-8122

**From:** Antonakakis, Manos<manos@gatech.edu>  
**Sent on:** Wednesday, July 31, 2019 1:17:13 AM  
**To:** Rodney Joffe<rjoffe@packetforensics.com>; Lily Kim<Lily.Kim@microsoft.com>  
**CC:** Kirk McConnell<Kirk\_McConnell@armed-services.senate.gov>; Victor Oppleman<victor@packetforensics.com>; Ashfia Rahman<asrahma@microsoft.com>; Christian Cook<Christian.Cook@microsoft.com>; Lisa Patel<lpatel@centergate.com>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: introduction

Kirk, thanks for the intros.

Lily, pleased to meet you!

This Friday works for me. The week after the next I will be hosting a hackathon at GT for DARPA, so my schedule will be less flexible. If you come up with a date, I will try to make it work but I cannot promise that I will be able to.

Many thanks,

--

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Antonakakis, Manos<manos@gatech.edu>

**Sent on:** Friday, August 2, 2019 4:42:00 PM

**To:** Ashfia Rahman<asrahma@microsoft.com>; Rodney Joffe<rjoffe@packetforensics.com>; William Chappell<William.Chappell@microsoft.com>

**CC:** Victor Oppleman<victor@packetforensics.com>; Christian Cook<Christian.Cook@microsoft.com>; Lisa Patel<lpatel@centergate.com>

**BCC:** Antonakakis, Manos<manos@gatech.edu>

**Subject:** Re: introduction

On Fri, 2019-08-02 at 16:35 +0000, Ashfia Rahman wrote:

> I can make 4pm work. Will it work for you @Manos Antonakakis ?

Both slots work for me, yes.

--

Manos Antonakakis | Associate Professor | manos@gatech.edu

School of Electrical and Computer Engineering

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** NANOG<nanog-bounces@nanog.org> on behalf of Suzanne Woolf<suzworldwide@gmail.com>  
**Sent on:** Tuesday, October 16, 2018 2:11:25 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**CC:** NANOG<nanog@nanog.org>  
**Subject:** Re: It's been 20 years today (Oct 16, UTC). Hard to believe.

> On Oct 15, 2018, at 10:00 PM, Rodney Joffe <rjoffe@centergate.com> wrote:

>

> At NANOG two weeks ago, we had an interesting discussion at one of the lunch tables. One of the subjects we discussed was the original IANA, and RFC Editor, Jon Postel.

>

> Seven of the ten people at the table had never heard of him. Maybe these days it no longer matters who he was, and what he meant to where we are today.

>

> <Sigh>

>

> For those who care about the history of the Internet, and routing and addressing. And protocols...

And the principles that make it “the Internet”, not just “some internets.”

>

> <https://tools.ietf.org/html/rfc2468>

>

Suzanne



**From:** Yizheng Chen [REDACTED]  
**Sent on:** Thursday, November 11, 2021 4:40:15 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: Job Application Statements  
**Attachments:** cv.pdf (201.94 KB), rs.pdf (97.01 KB)

Hi Manos,

Attached are my latest CV and researchstatement.

I simplified the story in the completed research to start with the measurement work. Due to the spacelimit, I emphasized more on the technical content of robust training algorithms. Could you help me discuss all the cool measurement work and the impact in your letter, as you suggested? I think what you said makes sense, but people on the hiring committee want to see a complete picture of the candidate from the letters, and they told me it's best that the letter writers can discuss different projects, instead of the same ones. Your comments on my PhD projects would be really helpful. Also, could you comment on my teaching since I did TA with your network security class? Whatdo you think?

Best,  
Yizheng

On Thu, Nov 11, 2021 at 7:35 AM Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)> wrote:

Yizheng, please send me your latest CV and research statement.

Thanks, Manos

---

From: Yizheng Chen [REDACTED]  
Sent: Saturday, October 30, 2021 5:59 PM  
To: Antonakakis, Manos  
Subject: Re: Job Application Statements

Hi Manos,

Thanks for taking a look! Thank you for all the suggestions. I'll try to make the research statement more coherent.

Best,  
Yizheng

On Fri, Oct 29, 2021 at 7:37 AM Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)<mailto:[manos@gatech.edu](mailto:manos@gatech.edu)>> > wrote:

Yizheng, the research statement is good but I think you need to equally weight and properly link the ML work you did since you left the PhD program and the deep measurement work you did during your PhD. Those two right now feel like two different lives you had, and they should absolutely not feel like that to the reader.

People tend to respond better when you give them complete stories rather than "here are all the cool things I did" type of statements. To that end, my recommendation would be for you to rewrite the first four paragraphs of your research statement presenting the following story. During my PhD I did all these cool measurement stuff and allow me to practically realize the value and power of ML. After my PhD I tried to do

that in industry and I realized I need more freedom to investigate all other aspects of adversarial ML I deemed important. Therefore, I joined Columbia so I can research these important aspects of adversarial ML, and here are my cool results. That is a much cleaner, easier to understand and remember story than the one you are presenting right now.

Such a story line makes your journey more deliberate (despite the fact that it might not have been exactly so), and you come across as a candidate that knows what she wants to do in research. Key point here is this: Your research statement is for non-security people in the search committee. Thus, makes sure the first four paragraphs can be read and understood by them. If you lose the non-security people at the beginning of this document, you have no realistic chances of getting an interview.

Some typos in the RS:

- \* properties, that -> properties that (at two places)
- \* and also made impact in the real-world -> and also made an impact in the real-world
- \* specifies that, arbitrary attacks -> specifies that arbitrary attacks
- \* Thus, attacker can always slightly change some -> Thus, an attacker can always slightly change some
- \* as, the output of the Twitter -> as the output of the Twitter
- \* satisfies the properties and find counterexamples -> satisfies the properties and found counterexamples
- \* I proposed new certifiable training technique -> I proposed a new certifiable training technique [or] I proposed new certifiable training techniques
- \* a strong adversary has not been -> a strong adversary, has not been
- \* using mixed integer linear program -> using a mixed integer linear program
- \* This makes the analysts job easier -> This makes the analyst's job easier
- \* vast amount of domain knowledge -> vast amounts of domain knowledge

Hope this helps!

Manos

From: Yizheng Chen [REDACTED]  
Date: Wednesday, October 27, 2021 at 11:38 PM  
To: "Antonakakis, Manos" <[manos@gatech.edu](mailto:manos@gatech.edu)><mailto:[manos@gatech.edu](mailto:manos@gatech.edu)>>  
Subject: Job Application Statements

Hi Manos,

I hope you are doing well! I'm wondering if you could take a look at my job application statements? I'd really appreciate any feedback you may have on these! I made them available here:  
<https://www.dropbox.com/sh/ryuyyhiwrru8soj/AAAhvtzFqqu5Sulg94tSvB3wa?dl=0>

Thank you so much.

Best,  
Yizheng

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, May 1, 2018 2:19:28 PM  
**To:** Chung, Diana (contr-i2o)<diana.chung.ctr@darpa.mil>  
**Subject:** Re: Need CV ASAP by 1pm EST  
**Attachments:** ManosAntonakakis-CV-050118.pdf (113.21 KB)

Hey Diana, please let me know if the attached will suffice.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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---

From: Chung, Diana (contr-i2o) <diana.chung.ctr@darpa.mil>  
Sent: Tuesday, May 1, 2018 8:46:15 AM  
To: Antonakakis, Manos  
Subject: Re: Need CV ASAP by 1pm EST

Thanks!

Diana

> On May 1, 2018, at 8:45 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Yes, Diana. I will send you my CV the moment I am done driving into Georgia Tech.

>

> Many thanks for nominating me :)

>

> ---

> Typos due to mobile device ...

>

>> On May 1, 2018, at 08:42, Chung, Diana (contr-i2o) <diana.chung.ctr@darpa.mil> wrote:

>>

>> Hi!

>>

>> JMS wanted to nominate you for the DARPA risers but he did not forward me your updated CV and full contact info (name, email, address, phone number).

>>

>> Can you get that to me by 1pm today? Your package is incomplete if I don't have that information!

>>

>> Thanks,

>> Diana

>>

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, February 12, 2019 4:10:03 AM  
**To:** Rodney Joffe<rodney.joffe@team.neustar>; Christopher Schneck<christopher.schneck.ctr@darpa.mil>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: Neustar Executive Visit to PI meeting March 8th

Thanks you Rodney for the email.

For you guys to attend the site visit I will need to get the green light from Chris. Chris, can you please check and let us know if you have any issues with this?

Thanks, Manos

---

Typos due to mobile device ...

> On Feb 11, 2019, at 21:06, Rodney Joffe <rodney.joffe@team.neustar> wrote:

>

> Hello Manos,

>

> As you know Neustar has been very involved in developing and improving our ability to provide capabilities and resources for you based on the apparent success of your EA and HACCS programs, using our data.

>

> As a result, I wonder if it would be possible for me, our CEO Charlie Gottdiener, Venkat Achanta, our Chief Data Officer, and Adm. (Ret) Mike Mullen (past Chairman of the Joint Chiefs) who is a board director of our data subsidiary to visit you during the PI day on March 8th?

>

> I think it would be extremely beneficial for my colleagues to see and understand the impact of our efforts, and to realize just how much of a difference we can make to the country's National Security efforts through GA Tech.

>

> They all obviously understand the sensitivity of the PI briefing and meeting, and would respect and sign whatever attendee documents are required of other sub-contractors on your program.

>

> Respectfully

>

> Rodney

>

> =====

> Rodney Joffe

> SVP, Senior Technologist, and Fellow

> National Security Executive

> Neustar, Inc.

> 21575 Ridgetop Circle

> Sterling VA 20166

> USA

> +1 202-533-2900 Direct

> +1 602-418-6471 Cell

> rodney.joffe@team.neustar

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, May 29, 2018 4:25:50 PM  
**To:** Pearson, Christina T<christina.pearson@dev.gatech.edu>  
**CC:** Corcoran, Sean<sean.corcoran@team.neustar>; Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: Neustar update & visit to Atlanta (and campus) next week

Many thanks Christina.

Sean, very pleased to meet you! Rodney is very much aware of my tremendously hectic schedule next week. I would love to meet you, but I will be hosting a very big and important event (that actually directly impacts Neustar in major ways) and my time is almost non excitant during normal hours.

Rodney, I can make myself available for dinner, if that works for you and Sean. I would like to hear more about the "Neustar Labs" idea --- sounds really intriguing. :)

Many thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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---

From: Pearson, Christina T  
Sent: Tuesday, May 29, 2018 12:11:44 PM  
To: Antonakakis, Manos  
Cc: Corcoran, Sean  
Subject: Neustar update & visit to Atlanta (and campus) next week

Hi Manos,

Sean Corcoran, VP of Corporate Development at Neustar (and GT alumnus – also cc'd above), reached out to me requesting to set up a few meetings on campus next week between June 4th-7th. Neuster will have several executives in town and because they are extremely pleased with the work that your lab has done, they wish to explore more ways that Neustar could expand their presence across the GT campus. (see list below)

They will also be reaching out to you directly to schedule some time for these Neustar executives to meet with your team, but they will not necessarily attach this to their visit to campus. Stay tuned for an email from Rodney or Sean.

Just wanted to give you a quick heads up....and feel free to reach back out with any questions.

Thanks,  
Christina

Neustar visitors:  
Venkat Achanta, Chief Data and Analytics Officer  
Rodney Joffe, SVP and Neustar Fellow  
Sean Corcoran, VP of Corporate Development

Areas of interest across campus (3 hours):

- (1) Intro to new ECE Chair – Magnus Egerstedt
- (2) “Neustar Labs” – possibly establishing an Innovation Lab on/near campus – Greg King
- (3) VentureLab – meet/greet and short tour – would like to possibly leverage GT technologies/companies going forward – individual TBD (Keith McGreggor, or other?)

Christina T. Pearson  
Director of Corporate Relations  
Georgia Institute of Technology  
Office of Development  
Atlanta, GA 30332-0220

Phone: 404.894.6007  
cpearson@gatech.edu

**From:** Rodney Joffe<rodney.joffe@team.neustar>  
**Sent on:** Tuesday, March 16, 2021 7:02:01 PM  
**To:** Kline, Allison<allison.kline@darpa.mil>  
**CC:** Chris Schneck<christopher.schneck.ctr@darpa.mil>; Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: New DARPA EA PM

> On Mar 11, 2021, at 7:43 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Hey Rodney,  
>  
> Allow me to re-introduce to Allison, who is the new EA PM. I think it would be a great idea for the two of you to get on a call and catch up about the status of things.

Thanks Manos,

Hello again Allison.

Let me know when.

Regards  
Rodney

=====

Rodney Joffe  
SVP, and Fellow  
National Security Executive  
Neustar, Inc.  
45980 Center Oak Plaza  
Sterling VA 20166  
USA  
+1 202-533-2900 Direct  
+1 602-418-6471 Cell  
rodney.joffe@team.neustar

>  
> Thanks,  
>  
> —  
> Manos Antonakakis, Ph.D. | manos@gatech.edu  
> College of Engineering Dean's Professorship Chair and Associate Professor  
> Co-Director Center for Cyber Operations Enquiry and Unconventional Sensing (COEUS)  
> School of Electrical and Computer Engineering | Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Fuller, Christian<christian.fuller@legal.gatech.edu> on behalf of Fuller, Christian  
**Sent on:** Monday, October 18, 2021 12:55:19 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** RE: Open Records Act Request #102110

[Sure. Give me like 20 minutes and I'll give you a call.](#)

---

**From:** Antonakakis, Manos <manos@gatech.edu>  
**Sent:** Monday, October 18, 2021 8:53 AM  
**To:** Fuller, Christian <christian.fuller@legal.gatech.edu>  
**Subject:** Fwd: Open Records Act Request #102110  
Christian, do you have time to discuss this?  
Thanks, Manos

---

**From:** Georgia Tech Open Records Office <[openrecords@gatech.edu](mailto:openrecords@gatech.edu)>  
**Sent:** Monday, October 18, 2021 08:45  
**To:** Antonakakis, Manos  
**Cc:** Georgia Tech Open Records Office  
**Subject:** Open Records Act Request #102110

Good morning Dr. Antonakakis,

My office received the below Open Records Act request last week. Would you be able to assist with the items listed in Item #3 of the request? If so, please provide an estimate of the amount of time it will take to search for, retrieve and potentially redact the information, as well as your hourly rate in accordance with your Georgia Tech salary. This information will be used to provide the requestor with a cost estimate for production.

Please let me know if you have any questions. Thanks so much.

*Jamila Hudson-Allen*  
*Open Records Officer*  
*Office of Institute Communications*  
*Open Records Division*  
**Georgia Institute of Technology**  
[openrecords@gatech.edu](mailto:openrecords@gatech.edu)



---

**From:** Krawiec, Margaret E <[Margaret.Krawiec@skadden.com](mailto:Margaret.Krawiec@skadden.com)>  
**Sent:** Wednesday, October 13, 2021 11:51 AM  
**To:** Georgia Tech Open Records Office <[openrecords@gatech.edu](mailto:openrecords@gatech.edu)>  
**Cc:** Amaechi, Pamela I <[Pamela.Amaechi@skadden.com](mailto:Pamela.Amaechi@skadden.com)>; McIntosh, Michael A <[Michael.McIntosh@skadden.com](mailto:Michael.McIntosh@skadden.com)>; Murday, Rebecca M <[Rebecca.Murday@skadden.com](mailto:Rebecca.Murday@skadden.com)>  
**Subject:** AO Alfa Bank v. John Doe et al // Open Records Request

To Whom it May Concern:

I hope this email finds you well. My name is Margaret Krawiec and I represent AO Alfa Bank ("Alfa Bank") in a lawsuit pending in Florida state court, *AO Alfa-Bank v. John Doe et al.*, Case No. 50-2020-CA-006304-XXX MB (Fla. 15th Cir., filed June 11, 2020). I write to make a formal open records request from the University for the below-listed records. The time period for these requests is January 2016 to the present:

1. Cybersecurity research contracts awarded to the Georgia Institute of Technology ("Georgia Tech") by the U.S. Department of Defense in November 2016 ("DOD Contracts").
2. Any sub- contracts that Georgia Tech entered into with third parties in reference to the DOD Contracts including any confidentiality, terms of service, user agreements, or agreements related to the Domain Name System ("DNS") data.



3. Communications, documents, and computer data from Emmanouil "Manos" Antonakakis, David Dagon, and other employees or contractors of Georgia Tech regarding:
  1. The cyber security research contract awarded to the Georgia Institute of Technology by the U.S. Department of Defense in November 2016 and led by Mr. Antonakakis. This includes, but is not limited to, materials discussing Mr. Antonakakis's and Mr. Dagon's access to domain name system ("DNS") databases under this research contract;
  2. Draft or executed contracts regarding researchers' access to or use of DNS data, including but not limited to terms of service, confidentiality, and user agreements;
  3. Passive DNS collection systems, including but not limited to the DNS collection system referred to as "Thales";
  4. Allegations of secret communications between the Trump Organization and Alfa Bank. "Allegations of secret communications" is defined as the since-debunked theory that there was a covert or secret channel of communication between the Trump Organization and Alfa Bank prior to and following the 2016 U.S. presidential election;
  5. the Trump Organization server (IP address 66.216.133.29) or domains ("trump-email.com"; "contact-client.com"; hostnames "email1.trump-email.com" or "trump1.contact-client.com"; and any iterations involving alternate capitalization or concatenated versions thereof);
  6. the Alfa Bank server (IP addresses 217.12.96.15 and 217.12.97.15) or domains ("moscow.alfaintra.net," and any iterations involving alternate capitalization or concatenated versions thereof);
  7. AO Alfa-Bank, also known as "Alfa Bank";
  8. any analysis of computer data related to either the Trump Organization or Alfa Bank;
  9. analysis of computer data relating to the following entities: Cendyn, Listrak, Serenata, Denihan Hospitality Group, Spectrum Health, Heartland Payment Systems, Obit Telecommunications, and Domo;
  10. allegations of Russian interference in U.S. elections;
  11. communications, documents, and computer data exchanged with individuals using the pseudonyms "Tea Leaves" or "Max";
  12. communications, documents, and computer data exchanged with April Lorenzen or Rodney Joffe;
  13. communications, documents, and computer data exchanged with Neustar, Inc., ZETALytics LLC, or Dissect Cyber Inc.;
  14. communications, documents, and computer data exchanged with Packet Forensics LLC, VOSTROM Holdings, Inc., Centergate Research Group, LLC, or any other entities affiliated with Rodney Joffe;
  15. communications, documents, and computer data exchanged with Perkins Coie LLP, Michael Sussmann, Marc Elias, or any other affiliates of Perkins Coie;
  16. communications, documents, and computer data exchanged with Fusion GPS, Peter Fritsch,

Glenn Simpson, Jacob "Jake" Berkowitz, Laura Seago or any other affiliates of Fusion GPS;

17. communications, documents, and computer data exchanged with Daniel Jones, The Democracy Integrity Project, Advance Democracy Inc., Penn Quarter Group, Michael "Mikey" Dickerson, Matthew "Matt" Weaver, Layer Aleph or any other entity or individual affiliated with Daniel Jones; and
18. communications, documents, and computer data exchanged with the Clinton Campaign or the Democratic National Committee.

4. Communications, documents, and computer data that were produced in response to subpoenas, discovery requests, informal document requests, or government inquiries, including but not limited to Special Counsel John Durham's investigation and the associated grand jury in *United States v. Sussman*, No. 1:21-cr-00582-CRC-1 (D.D.C. 2021) and that relate to (i) allegations of secret communications between the Trump Organization and Alfa Bank; (ii) the Trump Organization server or domains; (iii) Alfa Bank; (iv) analysis of computer data related to either the Trump Organization or Alfa Bank; (v) allegations of Russian interference in U.S. elections; or (vi) the John Doe Defendants or the Anonymous Researchers.

We would be happy to discuss the scope of these requests further over a call. Please let us know if you have any questions or would like to discuss.

Thanks,  
Margaret

-----  
This email (and any attachments thereto) is intended only for use by the addressee(s) named herein and may contain legally privileged and/or confidential information. If you are not the intended recipient of this email, you are hereby notified that any dissemination, distribution or copying of this email (and any attachments thereto) is strictly prohibited. If you receive this email in error please immediately notify me at (212) 735-3000 and permanently delete the original email (and any copy of any email) and any printout thereof.

Further information about the firm, a list of the Partners and their professional qualifications will be provided upon request.

=====

**From:** Rodney Joffe<rodney.joffe@neustar.biz>  
**Sent on:** Tuesday, September 20, 2016 9:27:20 PM  
**To:** Noland, Yvonne<yvonne.noland@ohr.gatech.edu>  
**CC:** Cameron, Yolonda L<yolonda.cameron@legal.gatech.edu>; Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Many thanks, Yvonne.

> On Sep 20, 2016, at 3:48 PM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:

>

> Hi Rodney,

>

> Attached please find the fully executed NDA.

>

> Thank you,

>

> Yvonne Noland

> Legal Services Coordinator

> Georgia Institute of Technology

> Office of Legal Affairs

> Atlanta, GA 30332-0495

> Email: Yvonne.Noland@legal.gatech.edu

> Phone: 404-894-4812

> Fax: 404-894-3120

>

>

> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

>

>

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Thursday, September 08, 2016 12:29 PM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Almost there :-)

>

>

> Begin forwarded message:

>

> From: Contracts <Contracts@neustar.biz>

> Date: September 8, 2016 at 12:26:19 PM EDT

> To: "Joffe, Rodney" <Rodney.Joffe@neustar.biz>, Contracts <Contracts@neustar.biz>

> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Attached is the partially executed NDA for The Board of Regents of University System of Georgia, by and behalf of Georgia Institute of Tehnology. Once it has been countersigned, please forward a fully executed copy to Contracts for our files.

>

> Thanks,

> Samantha

> -----Original Message-----

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Wednesday, September 07, 2016 9:01 PM

> To: Contracts <Contracts@neustar.biz>

> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>  
> Over to you to execute.  
>  
> Thanks  
> Rodney  
>  
>  
>  
> Begin forwarded message:  
>  
> From: "Noland, Yvonne" <yvonne.noland@legal.gatech.edu>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
> Date: September 7, 2016 at 10:41:46 AM EDT  
> To: Rodney Joffe <rodney.joffe@neustar.biz>  
> Cc: "Antonakakis, Emmanouil K" <manos@gatech.edu>, "Cameron, Yolonda L"  
> <yolonda.cameron@legal.gatech.edu>  
> Resent-From: <rodney.joffe@neustar.biz>  
>  
> Hi Rodney,  
>  
> Attached is a final document for signature, reflecting the change from 14 to 20 days in Section 3. Please return a signed copy to me at your earliest convenience. I will route for countersignature and return a fully executed copy to you.  
>  
> Thank you,  
> Yvonne  
>  
> -----Original Message-----  
> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
> Sent: Wednesday, September 07, 2016 10:17 AM  
> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
>  
> Hi Yvonne,  
>  
> OK on these points. Do you have a final for us to sign?  
>  
> On Sep 6, 2016, at 2:28 PM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:  
>  
> Hi Rodney,  
>  
> I've updated the effective date of the document and accepted all mutually agreed upon edits in the attached document.  
>  
> The GIT signatory will not agree to the requested revisions in Section 3. All information disclosed to GIT must be marked in accordance with the original language in Section 3, but we can agree to extend the 14-day period for non-written disclosures to 20 days.  
>  
> Sincerely,  
>  
> Yvonne Noland  
> Legal Services Coordinator  
> Georgia Institute of Technology  
> Office of Legal Affairs  
> Atlanta, GA 30332-0495  
> Email: Yvonne.Noland@legal.gatech.edu  
> Phone: 404-894-4812  
> Fax: 404-894-3120  
>  
>  
> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any

response to it may be subject to public disclosure.

>  
>  
> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
> Sent: Tuesday, September 06, 2016 11:20 AM  
> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

> Hi Yvonne,

> This is the correct email.

> Apparently all edits are OK except for the comments below. Could you please confirm?

> Thanks

> Rodney

> =====  
> Rodney Joffe  
> SVP, Senior Technologist, and Fellow  
> Neustar, Inc. (NYSE:NSR)  
> 1775 Pennsylvania Ave. NW  
> Suite 400  
> Washington DC 20006  
> +1 202-533-2900 Direct  
> +1 602-418-6471 Cell

> From: Contracts

> Sent: Tuesday, September 06, 2016 11:06 AM  
> To: Joffe, Rodney <Rodney.Joffe@neustar.biz>; Contracts <Contracts@neustar.biz>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

> Hi Rodney,

> All the counter-edits are acceptable with the exception of the Confidential Information marking.

> Through discussions or written information disclosed, it would be somewhat difficult to have to “mark” all proprietary/confidential information as “Confidential”. In the event that there are times that such information is not marked or otherwise indicated verbally during ongoing communication, we want to ensure that, although not marked as “Confidential”, that it is protected under the NA,

> Samantha Ellis  
> NeuStar, Inc. | Contracts Manager  
> 571.434.3421

> From: Noland, Yvonne [mailto:yvonne.noland@legal.gatech.edu]  
> Sent: Tuesday, September 06, 2016 10:14 AM  
> To: Joffe, Rodney <Rodney.Joffe@neustar.biz>; Contracts <Contracts@neustar.biz>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

> Good morning – please advise regarding the status of this matter at your earliest convenience. Thank you.

> From: Noland, Yvonne

> Sent: Thursday, August 04, 2016 12:38 PM

> To: 'Rodney Joffe' <rodney.joffe@neustar.biz>; 'Contracts@neustar.biz' <Contracts@neustar.biz>

> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>

> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Hi Rodney,

>

> Attached please find our additional comments and revisions for review by your legal department.

>

> Regards,

>

> Yvonne Noland

> Legal Services Coordinator

> Georgia Institute of Technology

> Office of Legal Affairs

> Atlanta, GA 30332-0495

> Email: Yvonne.Noland@legal.gatech.edu

> Phone: 404-894-4812

> Fax: 404-894-3120

>

>

> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

>

>

>

>

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Wednesday, August 03, 2016 12:52 PM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>

> Subject: Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Hello Yvonne,

>

>

> Thanks... I am attaching a marked up version of the NDA from our legal group... Hopefully this is acceptable.

>

>

> Regards

> Rodney

>

>

>

>

>

>

>

> On Aug 3, 2016, at 7:30 AM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:

>

> Good morning,

>

> Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

>

> As such, I have prepared and attached Georgia Tech's standard unilateral Proprietary Information Agreement for consideration by your contracts/legal department. If the document is satisfactory, please have it executed and return it to me. I will then have the document countersigned and return a copy to you for your files. If you would like to request any changes to the agreement, please utilize the "track changes" feature and return the edited version to me.

>

> Sincerely,

>  
> Yvonne Noland  
> Legal Services Coordinator  
> Georgia Institute of Technology  
> Office of Legal Affairs  
> Atlanta, GA 30332-0495  
> Email: Yvonne.Noland@legal.gatech.edu  
> Phone: 404-894-4812  
> Fax: 404-894-3120

>  
>  
> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

>  
>  
> <Neustar Inc. (NDA-4406).docx>  
> <Neustar Inc. - GT review 9-6-16 (NDA-4406).docx>  
>  
> <Neustar, Inc. (NDA-4406).pdf>

Microsoft Exchange Server;converted from html;

**From:** Noland, Yvonne<fvirgil6@gatech.edu> on behalf of Noland, Yvonne  
**Sent on:** Wednesday, August 3, 2016 5:16:25 PM  
**To:** Rodney Joffe<rodney.joffe@neustar.biz>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

[Worked that time – thank you very much](#)

---

**From:** Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
**Sent:** Wednesday, August 03, 2016 1:13 PM  
**To:** Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
**Subject:** Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Yvonne,

Does this work?

The email below also includes our legal group contract info.

Thanks

Rodney

Begin forwarded message:

**From:** Contracts <[HYPERLINK "mailto:Contracts@neustar.biz" Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Date:** August 3, 2016 at 9:38:02 AM PDT  
**To:** "Joffe, Rodney" <[HYPERLINK "mailto:Rodney.Joffe@neustar.biz" Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>  
**Cc:** "Konde, Alex" <[HYPERLINK "mailto:alex.konde@neustar.biz" alex.konde@neustar.biz](mailto:alex.konde@neustar.biz)>, Contracts <[HYPERLINK "mailto:Contracts@neustar.biz" Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Rodney,

Legal has reviewed the attached and have made a few edits. Please let me know if you have any questions or concerns.

Regards,

Samantha

**Samantha Ellis**

**NeuStar, Inc.** | Contracts Manager

571.434.3421

---

**Resent-From:** <[HYPERLINK "mailto:rodney.joffe@neustar.biz" rodney.joffe@neustar.biz](mailto:rodney.joffe@neustar.biz)>  
**From:** "Noland, Yvonne" <[HYPERLINK "mailto:yvonne.noland@legal.gatech.edu" yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)>  
**Date:** August 3, 2016 at 7:30:34 AM PDT  
**To:** "[HYPERLINK "mailto:Rodney.Joffe@neustar.biz" Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)" <[HYPERLINK "mailto:Rodney.Joffe@neustar.biz" Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>  
**Cc:** "Antonakakis, Emmanouil K" <[HYPERLINK "mailto:manos@gatech.edu" manos@gatech.edu](mailto:manos@gatech.edu)>, "Cameron, Yolonda L" <[HYPERLINK "mailto:yolonda.cameron@legal.gatech.edu" yolonda.cameron@legal.gatech.edu](mailto:yolonda.cameron@legal.gatech.edu)>  
**Subject:** PIA - Neustar Inc./Georgia Tech (NDA-4406)

Good morning,

Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information.

However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

As such, I have prepared and attached Georgia Tech's standard unilateral Proprietary Information Agreement for consideration by your contracts/legal



department. If the document is satisfactory, please have it executed and return it to me. I will then have the document countersigned and return a copy to you for your files. If you would like to request any changes to the agreement, please utilize the "track changes" feature and return the edited version to me.

Sincerely,

**Yvonne Noland**

Legal Services Coordinator

Georgia Institute of Technology

Office of Legal Affairs

Atlanta, GA 30332-0495

Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)

Phone: 404-894-4812

Fax: 404-894-3120

Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

Dear Professor Antonakakis:

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos

**Sent on:** Saturday, June 19, 2021 1:11:19 PM

The Promotion and Tenure Committee of the University of Illinois Chicago (UIC) Department of Computer Science is preparing to consider Dr. Jason Polakis for promotion to the rank of Associate Professor with

**To:** Sloan, Robert Hal<rsloan@uic.edu>  
**CC:** Antonakakis, Manos<eamtonakak3@gatech.edu>

**Subject:** Re: Reference request for Jason Polakis

**Attachments:** Manos Antonakakis, we would prefer (161.89 KB)  
To assist us in evaluating his work, we would prefer much like to have your appraisal of his scholarship.

The University of Illinois Chicago wishes to be sure that the referees are as impartial as possible. Therefore, University guidelines require us to ask if you have a **past or current relationship with the candidate that may give the perception of an influence, or gives you a stake in the outcome of the case.**

Such relationships may include but are not limited to:

- You have served as the candidate's Mentor (e.g., Ph.D. supervisor; dissertation committee member; post-doctoral advisor; clinical supervisor)
- You have served as the candidate's Trainee (e.g., student; post-doctoral fellow)
- You have had a **substantial collaboration** with the candidate in the relatively recent past (non-substantive collaborations include providing and/or sharing supplies, equipment, facilities, co-organizing professional meetings, etc.)

If any of these circumstances apply, kindly let us know and we shall discontinue the process of asking you for an evaluation. If you have any questions about the University's standards for conflict of interest, please do not hesitate to contact us.

Please be aware that, according to UIC policies, all correspondence connected with a promotion and tenure case becomes part of the records, **including responses to a letter such as this one.** Therefore, I ask you, please to confine your response to the two issues of (a) your willingness to serve as a referee and (b) any possible conflict of interest. If you have any past or current relationship with the candidate, please describe this in your letter, even if you believe it does not pose a conflict of interest.

If you agree to provide an appraisal, every effort will be made to maintain the confidentiality of your report. Dr. Polakis will not see even an edited version of your letter. The members of our unit's promotion and tenure committee will have access to your letter, as will University committee and administrative officers involved in the promotion process. However, I must add that in light of a Supreme Court decision (*EEOC vs. University of Pennsylvania*) such reports may be subject to involuntary disclosure in legal proceedings.

Please let me know at your earliest convenience if you are willing and able to prepare an evaluation. I shall then send to you a URL from which to download copies of Dr. Polakis's work, published or accepted for publication. The material that we shall ask you to review comprises three to five papers, a short research statement, and the candidate's CV. We shall need your report by Monday, September 20.

In addition, I will appreciate your sending me a recent curriculum vitae, which will allow us to fulfill our requirement to submit a biographical sketch of each referee. The members of our institutional review committees represent diverse interests, and this information is useful to them. Information of the sort needed is not always easy to acquire from standard sources.

When providing your evaluation, please consider the potential broad impact of the COVID-19 pandemic on the candidate's recent activities, which may include (but not be limited to) reduced or delayed publications, canceled speaking invitations and conferences, extensive coursework revisions, and/or reduced work hours.

I realize that requests of this kind impose a burden on people who have attained a position of leadership in their field, as you have, but we are very eager to have your evaluation and hope that you will be able to help us reach a decision.

We appreciate your help in this regard.

Microsoft Exchange Server;converted from html;

**From:** Allen, Lucretia <lucretia.allen@ece.gatech.edu> on behalf of Allen, Lucretia  
**Sent on:** Friday, July 27, 2018 6:28:21 PM

**To:** Antonakakis, Manos <manos@gatech.edu>

**CC:** Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>

**Subject:** RE: RPT CV Corrections: Antonakakis

**Attachments:** 14 CV - Antonakakis.pdf (196.94 KB), 16 Statement of Completeness.pdf (51.96 KB)

Hi Manos,

I have attached your original CV for correcting. Also, can you provide a clean Statement of Completeness? The one attached is hard to read. Terri said you can electronically sign the

form.

The date on your Statement of Completeness should have the same date as on your CV, which is June 15, 2018 so please update the Statement of Completeness with the appropriate date

before you send back.

Let me know if you have any questions.

Thanks,

*Lucretia*



Just smile, it's all good!

**From:** Allen, Lucretia

**Sent:** Friday, July 27, 2018 2:10 PM

**To:** Antonakakis, Manos <manos@gatech.edu>

**CC:** Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>

**Subject:** RPT CV Corrections: Antonakakis

Hello Professor,

Terri Lee from the Deans Office has reviewed your resume for proper formatting and posted a few comments on the CV that need correcting.

Please review and correct the items highlighted and send back to me.

Thanks,

*Lucretia*



Just smile, it's all good!

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Saturday, July 28, 2018 2:22:42 PM  
**To:** Allen, Lucretia<lucretia.allen@ece.gatech.edu>  
**CC:** Blough, Douglas M<doug.blough@ece.gatech.edu>  
**Subject:** Re: RPT CV Corrections: Antonakakis  
**Attachments:** image004.jpg (1.17 KB), image002.jpg (1.17 KB), Statement\_of\_Completeness.pdf (118.21 KB), ManosAntonakakis\_cv.pdf (197.8 KB)

Hey Lucretia,

Please find attached the two revised documents. A couple of clarifications regarding the comments I received from the Dean's office.

First, on the pending journals. I have none, simply because they have no impact to my community. So the NO DATA statement is correct.

Second, on the point about describing my talks, I will have to include abstracts to make the talk descriptions meaningful. That sounds like something that would make the CV unreadable, and in all honesty, I might not have all these abstracts in my records anymore. I decided to not do this because this is a non-trivial task.

Please let me know if you need anything more from my side.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Allen, Lucretia  
Sent: Friday, July 27, 2018 2:28:21 PM  
To: Antonakakis, Manos  
Cc: Blough, Douglas M; Allen, Lucretia  
Subject: RE: RPT CV Corrections: Antonakakis

Hi Manos,

I have attached your original CV for correcting. Also, can you provide a clean Statement of Completeness? The one attached is hard to read. Terri said you can electronically sign the form. The date on your Statement of Completeness should have the same date as on your CV, which is June 15, 2018 so please update the Statement of Completeness with the appropriate date before you send back.

Let me know if you have any questions.

Thanks,  
Lucretia

[Image result for sunshine smile]  
Just smile, it's all good!

From: Allen, Lucretia  
Sent: Friday, July 27, 2018 2:10 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>  
Subject: RPT CV Corrections: Antonakakis

Hello Professor,

Terri Lee from the Deans Office has reviewed your resume for proper formatting and posted a few comments on the CV that need correcting.

Please review and correct the items highlighted and send back to me.

Thanks,

Lucretia

[Image result for sunshine smile]

Just smile, it's all good!

**From:** Allen, Lucretia<lucretia.allen@ece.gatech.edu> on behalf of Allen, Lucretia  
**Sent on:** Wednesday, August 1, 2018 2:36:11 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**CC:** Blough, Douglas M<doug.blough@ece.gatech.edu>  
**Subject:** RE: RPT CV Corrections: Antonakakis  
**Attachments:** ManosAntonakakis\_cv.pdf (197.8 KB), Statement\_of\_Completeness.pdf (118.21 KB)

Hi Manos,

Thanks for the corrections.  
Does your Statement of Completeness read 6/17?  
If so, can you change it 6/15 to match your CV date?

Thanks,  
Lucretia

Just smile, it's all good!

-----Original Message-----

From: Antonakakis, Manos  
Sent: Saturday, July 28, 2018 10:23 AM  
To: Allen, Lucretia <lucretia.allen@ece.gatech.edu>  
Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>  
Subject: Re: RPT CV Corrections: Antonakakis

Hey Lucretia,

Please find attached the two revised documents. A couple of clarifications regarding the comments I received from the Dean's office.

First, on the pending journals. I have none, simply because they have no impact to my community. So the NO DATA statement is correct.

Second, on the point about describing my talks, I will have to include abstracts to make the talk descriptions meaningful. That sounds like something that would make the CV unreadable, and in all honesty, I might not have all these abstracts in my records anymore. I decided to not do this because this is a non-trivial task.

Please let me know if you need anything more from my side.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Allen, Lucretia  
Sent: Friday, July 27, 2018 2:28:21 PM  
To: Antonakakis, Manos  
Cc: Blough, Douglas M; Allen, Lucretia  
Subject: RE: RPT CV Corrections: Antonakakis

Hi Manos,

I have attached your original CV for correcting. Also, can you provide a clean Statement of Completeness? The one attached is hard to read. Terri said you can electronically sign the form.  
The date on your Statement of Completeness should have the same date as on your CV, which is June 15, 2018 so please

update the Statement of Completeness with the appropriate date before you send back.

Let me know if you have any questions.

Thanks,  
Lucretia

[Image result for sunshine smile]  
Just smile, it's all good!

From: Allen, Lucretia  
Sent: Friday, July 27, 2018 2:10 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>  
Subject: RPT CV Corrections: Antonakakis

Hello Professor,

Terri Lee from the Deans Office has reviewed your resume for proper formatting and posted a few comments on the CV that need correcting.  
Please review and correct the items highlighted and send back to me.

Thanks,  
Lucretia  
[Image result for sunshine smile]

Just smile, it's all good!



Microsoft Exchange Server;converted from html;

**From:** Lee, Wenke<wenke@cc.gatech.edu> on behalf of Lee, Wenke  
**Sent on:** Tuesday, February 2, 2016 2:54:51 PM  
**To:** Cox, Ann<Ann.Cox@HQ.DHS.GOV>; Dewhurst, Jeffrey (CTR)<jeffrey.dewhurst@hq.dhs.gov>  
**CC:** David Dagon<dagon@sudo.sh>  
**Subject:** Re: slides for the PI meeting  
**Attachments:** PI Meeting Feb 2016 Brifing Georgia Tech.pptx (28.74 MB)

Ann,

Sorry. Attached are the slides in the proper format. David will probably have to skip a few details per presentation time limit. Thanks.

Wenke

**From:** Cox, Ann <Ann.Cox@HQ.DHS.GOV>  
**Sent:** Tuesday, February 2, 2016 9:11 AM  
**To:** Lee, Wenke; Dewhurst, Jeffrey (CTR)  
**Cc:** David Dagon  
**Subject:** RE: slides for the PI meeting

Wenke,

Your slides are not in the correct format and don't contain the requested information. Please follow the template attached.

You need to tie in the original proposal to the work presented in the slides. There is a great gap- on title slide that is from the proposal, then- where did this come from?????

We are very short on time to get these done. Please update the slide deck today if possible, tomorrow at the latest.

Cheers,

Ann

**Ann Cox, PhD**

Program Manager

Cyber Security Division (CSD)

Homeland Security Advanced Research Projects Agency (HSARPA)

Science and Technology Directorate (S&T)

Department of Homeland Security (DHS)

[Ann.Cox@hq.dhs.gov](mailto:Ann.Cox@hq.dhs.gov)

Office: (202) 254-6198

BB: (202) 557-9248

---

**From:** Lee, Wenke [mailto:wenke@cc.gatech.edu]

**Sent:** Tuesday, February 02, 2016 8:38 AM

**To:** Cox, Ann; Dewhurst, Jeffrey (CTR)

**Cc:** David Dagon

**Subject:** slides for the PI meeting

Ann,

Attached are the slides (this time from Office 365 - Gmail puts attachment greater than 25 MB in size to Google Drive). Hopefully it works this time. Thanks.

Wenke

**From:** Rodney Joffe<rjoffe@centergate.com>  
**Sent on:** Thursday, September 8, 2016 1:00:19 AM  
**To:** Kountouras, Athanasios<kountouras@gatech.edu>  
**CC:** Manos Antonakakis<antonakakis@gmail.com>  
**Subject:** Re: Submission of Active DNS RAID paper to student competition conference

Hello Thanos

Happy for you to do whatever you want related to this :-)

You have my approval.

Thanks  
Rodney

> On Sep 6, 2016, at 3:26 PM, Athanasios Kountouras <kountouras@gatech.edu> wrote:

>

> Hello Rodney,

>

> I would like to let you know that I am planning to submit the Active DNS paper to a student competition focused on cyber security awareness.

> You can find out more about the event here: <https://csaw.engineering.nyu.edu>

> More about the published work competition here: <https://csaw.engineering.nyu.edu/research>

>

> Since you are one of the authors I would like to know if submitting the paper there, would be ok with you as your name will also be in the paper.

>

> We will submit the exact same version that was submitted to RAID.

> The event is mostly about awareness and promotion of student publications in the cyber security space, and it is only accepting already published papers. That's why we will be submitting the same version that was accepted to RAID 2016.

> I would like to thank you again about your contribution to the paper and your collaboration. It has been very valuable to me as a new student.

>

> Thanos

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, September 7, 2018 2:57:24 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Re: Touch base

You assume too much. That is not true. I was planning to tell him about the proposal.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Thursday, September 6, 2018 10:56:14 PM  
To: Antonakakis, Manos  
Subject: Re: Touch base

Then why did you invite him to call for unofficial news? That implies you have something different to Angelos. You will regret it because now he will start in on you again... and keep pushing. And you invited it ☐☐

> On Sep 6, 2018, at 10:52 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> I was not planing to, because that is the only hard facts I have.

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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> From: Rodney Joffe <rjoffe@centergate.com>  
> Sent: Thursday, September 6, 2018 10:50:48 PM  
> To: Antonakakis, Manos  
> Subject: Re: Touch base

> DONT TELL HIM ANYTHING DIFFERENT TO ANGELOS After Oct 1 new fiscal year.

>> On Sep 6, 2018, at 10:35 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>> Venkat, nothing official at the moment. We are in waiting mode. If you want some unofficial news, you can give me a quick call.

>> Thanks,

---

>> Manos Antonakakis | manos@gatech.edu  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

>> From: Achanta, Venkat <Venkat.Achanta@team.neustar>  
>> Sent: Thursday, September 6, 2018 10:30:34 PM  
>> To: Antonakakis, Manos  
>> Cc: Joffe, Rodney  
>> Subject: Touch base

>>

>> Manos,

>>

>> Do you have any other information from DARPA program managers chasing possible path for this fiscal funding ?

>>

>> Thank you.

>>

>> Venkat.

>

**From:** Rodney Joffe<rjoffe@centergate.com>  
**Sent on:** Thursday, March 18, 2021 12:20:28 AM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Surprise!  
**Attachments:** Stavros-W.png.gpg (1.97 MB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, August 5, 2017 9:39:25 PM  
To: Rodney Joffe <rjoffe@centergate.com>  
Subject: Quick note about a recent data outage

Hey Rodney,

Not sure if your team has realized this already (I suspect you have), but there is a 40 hours or so outage on the datasets we are getting from you starting on 08/02/2017.

I am writing this email for two reasons. Primarily, I would like to know if this could happen again. Such a long outage going unnoticed by your team makes me very skeptical about the long-term quality of your datasets. How such a major issue doesn't get remediated in the first few hours of the outage? Allow me to remind you that this is a 4.5 years project we are working on. Should I be implementing mechanisms that will give *your* team a heads up when something goes wrong? Sounds like not the right thing to be doing (as you are the provider of the datasets not me), but this project needs to be successful for all of us --- me as GT and you as Neustar.

This gives me the right context to bring up the second reason I am writing this email. We are working with a USG partner, where we are statistically monitor the movement of an unknown (to date) threat actor targeting sensitive USG networks. This almost 2 days gap of your data will create a huge gap in our statistical reasoning. In other words, we will have to disclose that for those two days, we have little idea what the actor did due to a failure of the underline data sources. This will be a black mark for Neustar. It is a shame that besides the USG partner, this report will be likely attract the interest of the people in the highest levels of DARPA and likely DoD.

All in all, I would like to remind you that, while we are appreciative of the data you are sharing with us, not providing a reliable service would likely cause both; the project to be less successful but also a significant financial damage to Neustar at the end of the day. This is mainly because through our analysis Neustar would appear as a less than reliable (for the capabilities we develop at GT) data source. I do not think that Neustar would like GT to build unique new capabilities for the USG and then the USG to try to seek a more reliable sources of data to apply our algorithms over. That sounds like a unique opportunity lost for Neustar.

I would appreciate some official feedback from Neustar on this.

Best regards,

—

Manos Antonakakis | manos@gatech.edu  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, April 17, 2018 4:35:35 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, April 17, 2018 4:35:34 PM

Subject: Re: .army and .navy TLDs are running phish

Attachments: Nameless.txt (1.16 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, April 17, 2018 5:22:30 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, April 17, 2018 5:22:29 PM

Subject: Re: .army and .navy TLDs are running phish

Attachments: Nameless.txt (2.53 KB)



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, April 17, 2018 4:34:02 PM

To: Smith, Jonathan <jonathan.smith@darpa.mil>

CC: Antonakakis, Manos <manos@gatech.edu>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, April 17, 2018 4:34:01 PM

Subject: Re: .army and .navy TLDs are running phish

Attachments: Nameless.txt (1.43 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, April 17, 2018 4:00:14 PM  
To: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>  
Subject: Re: .army and .navy TLDs are running phish

And, it turns out there is a dynamic DNS service (!!!!) running under dns[.]army and dns[.]navy through here:

<https://dynv6.com/>

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Tuesday, April 17, 2018 10:39:41 AM  
To: Keromytis, Angelos D CIV DARPA (US); Smith, Jonathan  
Subject: .army and .navy TLDs are running phish

Gents, evidently Rightside / Demand Media took over these two TLDs (and .airforce) and they are evidence of phishing campaigns out of them.

<https://www.virustotal.com/en/domain/dns.army/information/>

<https://www.virustotal.com/en/domain/dns.navy/information/>

Is there any interest in running this down from the attribution point of view?

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, April 17, 2018 3:30:11 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, April 17, 2018 3:30:10 PM

Subject: Re: .army and .navy TLDs are running phish

Attachments: Nameless.txt (652 Bytes)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, September 17, 2018 12:50:00 PM  
To: Rodney Joffe <rjoffe@centergate.com>  
Subject: Re: [cw general] Change of Affiliation

Long story.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Monday, September 17, 2018 5:01:27 AM  
To: Antonakakis, Manos  
Subject: Fwd: [cw general] Change of Affiliation

One of yours?

Useful?

Begin forwarded message:

From: Paul Pearce <pearce@cs.berkeley.edu<mailto:pearce@cs.berkeley.edu>>  
Subject: [cw general] Change of Affiliation  
Date: September 15, 2018 at 3:04:12 PM EDT  
To: "~~~~ CrimeWare ~~~~" <cw-general@ops-trust.net<mailto:cw-general@ops-trust.net>>

Hello all,

I recently completed my PhD at UC Berkeley and have joined Georgia Tech as a professor of computer science.

I plan to keep doing the same type of research (abuse, cybercrime, APTs, censorship) and hope re-connect with you all at future events!

Aside: I am spending the next 10mo at Facebook as a visiting researcher with Site Integrity, but I am not representing them in any capacity, nor am I an appropriate contact for the company.

-Paul

--

[[ trident ]]: All message content remains the property of the author and must not be forwarded or redistributed without explicit permission.

From: Rodney Joffe <rjoffe@centergate.com>  
Sent on: Tuesday, September 18, 2018 2:45:33 AM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: Re: [cw general] Change of Affiliation

OK. tell me when you have time ;-)

> On Sep 17, 2018, at 7:50 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Long story.

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_

> From: Rodney Joffe <rjoffe@centergate.com>

> Sent: Monday, September 17, 2018 5:01:27 AM

> To: Antonakakis, Manos

> Subject: Fwd: [cw general] Change of Affiliation

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> Begin forwarded message:

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From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, July 29, 2017 1:19:46 AM  
To: Rodney Joffe <rodney.joffe@team.neustar>; DeJong, Steve <Steve.DeJong@team.neustar>  
Subject: Re: [EXTERNAL] ActiveDNS cloud pricing

Rodney, I think what Steve is doing here is giving you a point of reference. In order to scale the scanning from multiple points, we will need way more than \$100K.

We will do our best with whatever resources we end up getting.

Folks, when can we start? I need to organize my team to get the ball rolling.

—  
Manos Antonakakis | manos@gatech.edu  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rodney.joffe@team.neustar>  
Sent: Friday, July 28, 2017 8:16:04 PM  
To: Antonakakis, Manos; DeJong, Steve  
Subject: Re: [EXTERNAL] ActiveDNS cloud pricing

Steve,

So Am i right in understanding that this is the choice between \$19,200 a year or \$50,400. Both of which are pure noise?

Manos, you had estimated \$100k a year, what are we missing on our side? If I knew it was onl \$19,200 a year I would have paid it myself on my credit card yesterday....

> On Jul 28, 2017, at 9:37 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Gentlemen, does Neustar has a preference between Azure and AWS? If not, I would suggest we go with AWS because that is the path with the least amount of unknowns.

>

> I want these data to make a difference in Neustar. Thus, lets not waste any time with porting/cloud compatibility issues, unless we absolutely have to.

>

> Thanks,

>

> —

> Manos Antonakakis | manos@gatech.edu  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

>

> From: DeJong, Steve <Steve.DeJong@team.neustar>

> Sent: Thursday, July 27, 2017 12:48:47 AM

> To: Antonakakis, Manos; Joffe, Rodney

> Subject: ActiveDNS cloud pricing

>

> I spoke with Chaz briefly regarding the cloud computing needs for the ActiveDNS project. He indicated that all that was really needed was compute resources to run the docker containers - there was no real need for additional cloud services such as redshift or kinesis or things of that nature.

>

- > As I understand the project proposal the DNS "client" containers need to have public addresses and need to be geographically diverse so as to get different responses worldwide. With that in mind I have used the AWS and Azure pricing calculators to estimate 2 client machines per region. I also assumed 50Gb/month of network bandwidth.
- >
- > 2 CPU, ~4 Gb RAM.
- >
- > AWS provides 14 regions - 2 East, 2 West, 1 Canada, 3 Europe, 5 APAC, 1 South America
- > Azure provides 28 regions with more presence in every region including a large presence in India. (26 if you take out the German locations and associated restrictions)
- >
- > AWS will run around \$110/region/month or around \$1600 / month
- > Azure will run around \$160/region/month or \$4200 / month for 26 regions
- >
- > There is some risk that the public address space for cloud services may be generic - eg all Azure addresses map to Redmond - but most geo provides have gotten those things straightened out.
- >
- > Hope this helps
- > Steve
- >
- > Steve De Jong: Neustar, Inc.
- > +1.206.604.3353
- >
- >
- >



From: Rodney Joffe <rodney.joffe@team.neustar>  
Sent on: Saturday, July 29, 2017 1:22:41 AM  
To: Manos Antonakakis <manos@gatech.edu>  
CC: DeJong, Steve <Steve.DeJong@team.neustar>  
Subject: Re: [EXTERNAL] ActiveDNS cloud pricing

Manos, I don't understand. Steve, please explain to me. Feel free to skype me or facetime me.

> On Jul 28, 2017, at 8:19 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Rodney, I think what Steve is doing here is giving you a point of reference. In order to scale the scanning from multiple points, we will need way more than \$100K.

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>>

>> Steve De Jong: Neustar, Inc.

>> +1.206.604.3353

>>

>>

>>

>

From: Rodney Joffe <rjoffe@centergate.com>  
Sent on: Saturday, September 2, 2017 4:58:29 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Subject: Re: [EXTERNAL] Changes in my team

Maybe I could have paid it?

> On Sep 2, 2017, at 11:51 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Everything under control, Rodney. Nothing to worry about.  
>  
> He wants a way higher salary, now. I sadly cannot give him that. He will find it in industry.

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
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> \_\_\_\_\_  
> From: Rodney Joffe <rjoffe@centergate.com>  
> Sent: Saturday, September 2, 2017 11:45:20 AM  
> To: Antonakakis, Manos  
> Subject: Re: [EXTERNAL] Changes in my team

>  
> Fuck  
>  
> We should talk.

>  
>> On Sep 2, 2017, at 11:44 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>>  
>> Folks,  
>>  
>> This is a heads up on an upcoming change in my team. Yacin will be leaving to go and work in the industry (I suspect Google or Facebook). Sadly, I cannot compete with industry level salaries, as you can imagine.

>>  
>> That being said, I am bringing on a very trusted, very talented and very senior person that was working under me back in my Damballa days. When he accepts the offer and gives his two week notice, I will announce his name to you. He will be your POC for the next n-years of our DOD projects.

>>  
>> For now, please inform your teams that for any issue at all you can contact me, Dave or my senior sysadmin, William (cced).

>>  
>> Nothing really changes, this is just a heads up.

>>  
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Georgia Institute of Technology  
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Sent on: Saturday, September 2, 2017 5:02:12 PM  
To: Rodney Joffe <rjoffe@centergate.com>  
Subject: Re: [EXTERNAL] Changes in my team

He is looking for \$300K working out of Atlanta, ideally. He does not worth it, and I would not advise you to hire him remotely for what you want to do (given his personality).

He will go out for a year, he will not like it, and he will come back to the lab.

He is young, he will learn.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>

>



From: Rodney Joffe <rodney.joffe@team.neustar>

Sent on: Monday, November 13, 2017 3:16:24 PM

To: Manos Antonakakis <manos@gatech.edu>

Subject: Re: [EXTERNAL] Fw: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017

Got it.

> The registration process for this PI meeting will be different from previous ones. Rather than going through a registration website, we're requesting that each PI respond to Tom Maddern (thomas.maddern.ctr@darpa.mil) with the names, organizations, and countries of citizenship for each of your team members planning on attending. Please provide this information by COB Monday, November 27th.

Rodney Joffe  
Neustar  
United States

>

> Each individual attending will need to bring a completed DARPA Form 104 (attached) along with a government issued ID to the meeting. Non-US citizens will need to submit a DARPA Form 60 (attached) in advance. I have downloaded, and will bring printed copy with me.

From: Rodney Joffe <rodney.joffe@team.neustar>  
Sent on: Wednesday, November 8, 2017 7:59:06 PM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: Re: [EXTERNAL] Fw: Notification HR001117S0051-HACCS-FP-029

Damn awesome!!!!!!  
I will tell them now.

> On Nov 8, 2017, at 2:53 PM, Antonakakis, Manos <manos@gatech.edu> wrote:  
>  
> Great news Rodney, we got the official notification that we won HACCS! Please relay the news internally to your team.  
>  
> Cheers,  
>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_  
> From: HACCS <haccs@darpa.mil>  
> Sent: Wednesday, November 8, 2017 12:31 PM  
> To: Antonakakis, Manos; Farrell, Michael D  
> Cc: HACCS  
> Subject: Notification HR001117S0051-HACCS-FP-029  
>  
> Dear Proposer,  
>  
> Please see the attached file regarding your proposal submission (HR001117S0051-HACCS-FP-029) that was submitted to the Harnessing Autonomy for Countering Cyberadversary Systems (HACCS) solicitation.  
>  
> Regards,  
>  
> DARPA/I2O  
> <Letter 029.pdf>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, April 3, 2018 11:37:37 PM  
To: Rodney Joffe <rodney.joffe@team.neustar>  
Subject: Re: [EXTERNAL] Internet of Things - Neustar - Georgia Institute of Technology (Atlanta, GA)  
Attachments: cross-talk-1-3%255b1%255d.pdf (167.81 KB), IOT-MA.pdf (217.1 KB)

You are already working with the experts in the space --- my lab. See attached articles that will be published next month in the GT Research Horizons (<http://www.rh.gatech.edu/>).

Not sure what extra value you will be getting through this. I am sure they are happy to take your money, but the only thing they do is come up with meetings and workshop. If this is your cup of tea, go ahead. If not, then there is no value, IMHO.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rodney.joffe@team.neustar>  
Sent: Tuesday, April 3, 2018 6:29:02 PM  
To: Antonakakis, Manos  
Subject: Fwd: [EXTERNAL] Internet of Things - Neustar - Georgia Institute of Technology (Atlanta, GA)

Thoughts?

Begin forwarded message:

From: "Hook, Lisa" <lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>>  
Subject: Fwd: [EXTERNAL] Internet of Things - Neustar - Georgia Institute of Technology (Atlanta, GA)  
Date: April 3, 2018 at 4:05:38 PM EDT  
To: "Joffe, Rodney" <Rodney.Joffe@team.neustar<mailto:Rodney.Joffe@team.neustar>>

Should we do this? I don't know cost yet

Lisa A. Hook  
Neustar, Inc./President and Chief Executive Officer  
120 SW 8th Street, Miami, FL 33130  
Office: 571/434-5630. Mobile:202/907-5672  
Lisa.Hook@team.neustar<mailto:Lisa.Hook@team.neustar>/www.neustar.biz<http://www.neustar.biz/>

Begin forwarded message:

From: "Louchez, Alain" <Alain.Louchez@gtri.gatech.edu<mailto:Alain.Louchez@gtri.gatech.edu>>  
To: "Hook, Lisa" <lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>>  
Subject: [EXTERNAL] Internet of Things - Neustar - Georgia Institute of Technology (Atlanta, GA)

Dear Ms. Hook,

The Georgia Institute of Technology ("Georgia Tech") has recently established a global sponsor-funded Internet of Things (IoT) Center, i.e., Center for the Development and Application of Internet of Things Technologies (CDAIT <[https://urldefense.proofpoint.com/v2/url?u=http-3A\\_www.cdait.gatech.edu\\_&d=DwMFAG&c=MOptNIVtIETeDALC\\_IULrw&r=wbno7uofr9AG5ancFcEkUNBmytkAGt1amdNkqv](https://urldefense.proofpoint.com/v2/url?u=http-3A_www.cdait.gatech.edu_&d=DwMFAG&c=MOptNIVtIETeDALC_IULrw&r=wbno7uofr9AG5ancFcEkUNBmytkAGt1amdNkqv)>

0gW9fyLTTVZ0rRG1VAT4&e=>, pronounced "sedate").

In short, CDAIT could be viewed as a technological think tank (some might say a "think-and-do tank", i.e., action-oriented) focused on both engineering and business IoT dimensions, and composed of premier multinational companies (\*), widely recognized as leading the deployment of the Internet of Things.

Given the increasing importance of Internet of Things technologies to Neustar, we'd be delighted and honored to have the Company become a member of CDAIT (see attached flyer).

Please let me know if this is of interest.

Respectfully,

Alain

(\*) CDAIT members currently are (parent company's HQ (outside the US) in parentheses): 3M, AIG, AT&T, Boehringer Ingelheim (Germany), Cisco, Coca-Cola, Comcast, Eaton (Ireland), Georgia Pacific, Honeywell, IBM, Intel, Landis+Gyr (Switzerland), Michelin (France), Stanley Black and Decker, UPS, Verizon, and VMware.

Alain Louchez  
Managing Director  
Center for the Development and Application  
of Internet-of-Things Technologies (CDAIT)  
75 5th Street, NW, Suite 900  
Atlanta, Georgia 30308

PHONE: 404.407.8280

EMAIL: [alain.louchez@gtri.gatech.edu](mailto:alain.louchez@gtri.gatech.edu) <<mailto:alain.louchez@gtri.gatech.edu>>

WEBSITE: [www.cdait.gatech.edu](http://www.cdait.gatech.edu) <[https://urldefense.proofpoint.com/v2/url?u=http-3A\\_www.cdait.gatech.edu\\_&d=DwMFAG&c=MOptNIVtIETeDALC\\_IULrw&r=wbno7uofr9AG5ancFcEkUNBmytkAGt1amdnKqv0gW9fyLTTVZ0rRG1VAT4&e=>](https://urldefense.proofpoint.com/v2/url?u=http-3A_www.cdait.gatech.edu_&d=DwMFAG&c=MOptNIVtIETeDALC_IULrw&r=wbno7uofr9AG5ancFcEkUNBmytkAGt1amdnKqv0gW9fyLTTVZ0rRG1VAT4&e=>)>

[Barracuda Networks]

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From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, January 18, 2018 4:56:57 PM  
To: Hook, Lisa <lisa.hook@team.neustar>  
CC: Joffe, Rodney <Rodney.Joffe@team.neustar>; Naperkoski, Valerie <Valerie.Naperkoski@team.neustar>; Gregory, Liebe <Liebe.Gregory@team.neustar>  
Subject: Re: [EXTERNAL] Re: Friday

Lisa, I am usually at the office by 8.00am. Anytime that works for you.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hook, Lisa <lisa.hook@team.neustar>  
Sent: Thursday, January 18, 2018 11:55:40 AM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Naperkoski, Valerie; Gregory, Liebe  
Subject: Re: [EXTERNAL] Re: Friday

Can we move forward to 9?

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer  
120 SW 8th Street, Miami FL 33130  
Office: 571.434.5630 Mobile: 202.907.5672  
lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

On Jan 17, 2018, at 17:26, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Hey Lisa, absolutely!

My office is at the Klaus Advance Computing Building, 3rd floor, Room 3364. I can send you the visitor parking direction if you will be driving in.

My cell is [REDACTED], in case you need to call me.

Many thanks,

Manos

---  
Typos due to mobile device ...

On Jan 17, 2018, at 20:04, Hook, Lisa <lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>> wrote:

Manos,

I am in Atlanta for meetings on Friday and am wondering if you are in town and free at 9:30 to meet at school. Would love to catch up.

Best,

Lisa

Lisa A. Hook

Neustar, Inc./President and Chief Executive Officer

120 SW 8th Street, Miami, FL 33130

Office: 571/434-5630. Mobile:202/907-5672

Lisa.Hook@team.neustar<mailto:Lisa.Hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, January 18, 2018 5:04:43 PM  
To: Hook, Lisa <lisa.hook@team.neustar>  
CC: Joffe, Rodney <Rodney.Joffe@team.neustar>; Naperkoski, Valerie <Valerie.Naperkoski@team.neustar>; Gregory, Liebe <Liebe.Gregory@team.neustar>  
Subject: Re: [EXTERNAL] Re: Friday

Fantastic --- looking forward to it Lisa!

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hook, Lisa <lisa.hook@team.neustar>  
Sent: Thursday, January 18, 2018 12:03:39 PM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Naperkoski, Valerie; Gregory, Liebe  
Subject: Re: [EXTERNAL] Re: Friday

Thanks. Will see you at 9! I don't have any agenda -- just want to meet, catch up.

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer  
120 SW 8th Street, Miami FL 33130  
Office: 571.434.5630 Mobile: 202.907.5672  
lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

On Jan 18, 2018, at 08:57, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Lisa, I am usually at the office by 8.00am. Anytime that works for you.

Thanks,

---

Manos Antonakakis | manos@gatech.edu<<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hook, Lisa <lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>>  
Sent: Thursday, January 18, 2018 11:55:40 AM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Naperkoski, Valerie; Gregory, Liebe  
Subject: Re: [EXTERNAL] Re: Friday

Can we move forward to 9?

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer

120 SW 8th Street, Miami FL 33130

Office: 571.434.5630 Mobile: 202.907.5672

[lisa.hook@team.neustar](mailto:lisa.hook@team.neustar) <<mailto:lisa.hook@team.neustar>> <<mailto:lisa.hook@team.neustar>>/[www.neustar.biz](http://www.neustar.biz) <<http://www.neustar.biz>>

On Jan 17, 2018, at 17:26, Antonakakis, Manos

<[manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> > wrote:

Hey Lisa, absolutely!

My office is at the Klaus Advance Computing Building, 3rd floor, Room 3364. I can send you the visitor parking direction if you will be driving in.

My cell is [REDACTED], in case you need to call me.

Many thanks,

Manos

---

Typos due to mobile device ...

On Jan 17, 2018, at 20:04, Hook, Lisa

<[lisa.hook@team.neustar](mailto:lisa.hook@team.neustar) <<mailto:lisa.hook@team.neustar>> <<mailto:lisa.hook@team.neustar>> > wrote:

Manos,

I am in Atlanta for meetings on Friday and am wondering if you are in town and free at 9:30 to meet at school. Would love to catch up.

Best,

Lisa

Lisa A. Hook

Neustar, Inc./President and Chief Executive Officer

120 SW 8th Street, Miami, FL 33130

Office: 571/434-5630. Mobile:202/907-5672

[Lisa.Hook@team.neustar](mailto:Lisa.Hook@team.neustar) <<mailto:Lisa.Hook@team.neustar>> <<mailto:Lisa.Hook@team.neustar>>/[www.neustar.biz](http://www.neustar.biz) <<http://www.neustar.biz>>



From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, December 15, 2017 4:49:57 PM  
To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>; John.Hall@team.neustar  
CC: Carter, Anita M <anita.carter@ece.gatech.edu>; Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Re: [EXTERNAL] RE: Georgia Tech BuzzMart, PO#: 2100362915

Folks, please resolve this problem with John directly. We have made promises (as GT) that we need to keep.

This *\*must be done\** before the end of the year. No excuses --- I do not care how high this needs to get escalated.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Mitchell, Michael F  
Sent: Friday, December 15, 2017 10:47:32 AM  
To: Antonakakis, Manos  
Cc: Carter, Anita M  
Subject: Fw: [EXTERNAL] RE: Georgia Tech BuzzMart, PO#: 2100362915

Hey Manos,

I just wanted to give you a heads up on this.

John hall with Neustar has been asking to have the next iteration of his PO set up for a few weeks now. I have been working with Anita on getting this done, but due to some confusion and a lack of access to the systems I need, it has taken longer than it should have.

I now have the appropriate access and have gotten the requisition to Business services for processing, but it will still take additional time before the PO can be issued, and it will miss the deadline that Neustar wanted.

I am in contact with Teresa Holcomb to work on this and she is aware of it and will do what she can to issue the PO, but it requires certifications and support documentation that will take a little while to pull together. With people starting to leave for extended holiday leave, it just creates a worse delay.

I'm not sure if you want to reach out to John and assure him this will get done, or contact teresa to see if there is any documentation to support it that you could provide (explanation of need, etc.).

This will not be an issue going forward now that I have the access that I need and that I am getting control of all of the business operations.

M

---

From: Mitchell, Michael F  
Sent: Friday, December 15, 2017 10:38 AM  
To: Hall, John  
Cc: Carter, Anita M  
Subject: Re: [EXTERNAL] RE: Georgia Tech BuzzMart, PO#: 2100362915

Hey John,

I just spoke with the contracting officer that will be responsible for this PO. Unfortunately, due to the size, the source of funds (Federal) and holiday breaks for many people, this will most likely not be completed prior to the new year.

Ga Tech business services should be reaching out to you shortly to have several required federal certifications signed to add to the requisition. I am working with them to make sure that all the documents they need are submitted asap from my end, but be prepared to sign and return to them whatever they need quickly if possible.

Again, all I can offer is my apologies for the delays and promise to continue to work diligently on getting this through the process as fast as it will allow. I will speak with Manos about this and see if he can offer any support or "encouragement" to our procurement team to move this through quickly.

Michael.

---

From: Hall, John <John.Hall@team.neustar>  
Sent: Tuesday, December 12, 2017 11:42:04 AM  
To: Mitchell, Michael F  
Cc: Carter, Anita M  
Subject: Re: [EXTERNAL] RE: Georgia Tech BuzzMart, PO#: 2100362915

Hi Michael, I appreciate the note. I'm a little concerned about the timing of this, as we're into the holiday season. We work fairly closely with Manos (on this program and some future interests) and am wondering if asking him to help make this renewal a priority may help you get the process expedited? It will be a pretty major issue for us and our finance processes if we can't recognize this program revenue before 12/18 or 19, and I would sure like to get it done and booked even earlier.

Let m know if you think getting Manos involved would help us move this along.

Many thanks for your time / energy investment here.

VR

John W Hall  
Neustar, Inc. / Sr. Director - Federal Business  
[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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recipient you have received this e-mail message in error and any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this communication in error, please notify us immediately and delete the original message

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On 12/11/17, 5:00 PM, "Mitchell, Michael F" <michael.mitchell@ece.gatech.edu> wrote:

>Hey John,

>

>I have everything on my end to submit this for issuing the PO. I know the person who usually works on these types of POs and I will get in contact with her and see if we can move this through their process quickly.

>

>Thanks for your help!

>

>MM

>

>-----Original Message-----

>From: Hall, John [<mailto:John.Hall@team.neustar>]

>Sent: Monday, December 11, 2017 12:16 PM

>To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>Cc: Carter, Anita M <anita.carter@ece.gatech.edu>

>Subject: Re: [EXTERNAL] RE: Georgia Tech BuzzMart, PO#: 2100362915

>

>Hello Michael / Anita, Are you all etc provide an update on your process?

>

>Thanks in advance

>

>John W Hall

>Neustar, Inc. / Sr. Director - Federal Business

>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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>>>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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>>>On 12/7/17, 9:42 AM, "Mitchell, Michael F"

>>><michael.mitchell@ece.gatech.edu> wrote:

>>>

>>>>Good Morning John

>>>>

>>>>First let me start by apologizing for the delay on this. This is  
>>>>something that we should have been able to get this turned around  
>>>>much faster than we have so far. Given my newness to this position I  
>>>>have had some difficulty getting things moving in the right direction  
>>>>and getting this process started. I am working very closely with  
>>>>procurement to get this done.

>>>>

>>>>I will need a new quote for the \$350,000 this year in order to get  
>>>>things approved, since the old quote was only good until 12/01/2016.  
>>>>Once I have that I will be able to work on finalizing the new PO.

>>>>

>>>>Again my deepest apologies for the delay, and just be patient a bit  
>>>>longer so I can get this done.

>>>>

>>>>

>>>>Michael Mitchell

>>>>

>>>>Research Operations Program Manager

>>>>GEORGIA Institute

>>>>of TECH nology

>>>>School of Electrical and Computer Engineering

>>>>777 Atlantic Drive NW

>>>>Atlanta, GA 30332-0765

>>>>

>>>>

>>>>

>>>>-----Original Message-----

>>>>From: Hall, John [<mailto:John.Hall@team.neustar>]

>>>>Sent: Thursday, November 30, 2017 12:26 PM

>>>>To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>>>>Cc: Carter, Anita M <anita.carter@ece.gatech.edu>

>>>>Subject: Re: [EXTERNAL] RE: Georgia Tech BuzzMart, PO#: 2100362915

>>>>

>>>>Hi Michael - as you can imagine, I am getting inquiries on the

>>>>possibility of booking this order this month. Do you have an update?

>>>>Would a call to Manos improve our probability of getting an order by

>>>>tomorrow?

>>>>

>>>>Sorry to press but would really appreciate your help if there is a way.

>>>>

>>>>Thanks in advance!!

>>>>

>>>>John W Hall

>>>>Neustar, Inc. / Sr. Director - Federal Business

>>>>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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>>>>notify us immediately and delete the original message

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>>>>>On 11/28/17, 2:37 PM, "Mitchell, Michael F"

>>>>><michael.mitchell@ece.gatech.edu> wrote:

>>>>>

>>>>>>Hey John,

>>>>>>

>>>>>>We are working through the process on our end. I will reach out and

>>>>>>see if this can be completed this week or not and let you know if

>>>>>>this is possible.

>>>>>>

>>>>>>Thanks!

>>>>>>

>>>>>>-----Original Message-----

>>>>From: Hall, John [<mailto:John.Hall@team.neustar>]  
>>>>Sent: Tuesday, November 28, 2017 11:56 AM  
>>>>To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
>>>>Subject: Re: [EXTERNAL] RE: Georgia Tech BuzzMart, PO#: 2100362915

>>>>  
>>>>Hi Michael - Hope you had nice thanksgiving holiday. Thought I'd  
>>>>touch base to check your status on your po process. Is there  
>>>>anything else you need from me? Do you think there is any  
>>>>possibility of getting us the PO this week so we can book it in  
>>>>November?

>>>>  
>>>>Let me know / thanks in advance

>>>>  
>>>>John W Hall  
>>>>Neustar, Inc. / Sr. Director - Federal Business  
>>>>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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>>>>On 11/20/17, 11:03 AM, "Mitchell, Michael F"  
>>>><michael.mitchell@ece.gatech.edu> wrote:

>>>>

>>>>>Hey John,

>>>>>

>>>>>Thanks for getting this to me. The total number is accurate, the  
>>>>>yearly totals are a bit different, but not a big deal.

>>>>>

>>>>>Based on what I am seeing in our internal accounts we had issued a  
>>>>>PO for \$1,000,000. We have executed and paid for that in full. Now  
>>>>>we need to create and issue a PO for the new amount of \$350,000 per  
>>>>>the outline you provided. Right?

>>>>>

>>>>>MM

>>>>>

>>>>>-----Original Message-----

>>>>>From: Hall, John [<mailto:John.Hall@team.neustar>]

>>>>>Sent: Monday, November 20, 2017 10:52 AM

>>>>>To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>>>>>Subject: FW: Georgia Tech BuzzMart, PO#: 2100362915

>>>>>

>>>>>Hi Michael, Here is the original award email with the two  
>>>>>attachments we discussed. Let me know if you have any questions or  
>>>>>concerns.

>>>>>

>>>>>Thanks in advance!

>>>>>

>>>>>John W Hall

>>>>>Neustar, Inc. / Sr. Director Federal Business

>>>>>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, April 12, 2018 8:29:02 PM  
To: Hook, Lisa <lisa.hook@team.neustar>  
CC: Joffe, Rodney <Rodney.Joffe@team.neustar>; Michael Sussmann <MSussmann@perkinscoie.com>  
Subject: Re: [EXTERNAL] Re: Intro

Lisa, absolutely no problem. :)

We should sync at some point over the phone. Your data have been doing miracles for our national security and the capabilities we are building for the DoD are second to none.

As a LTG said recently in one of our meetings; "we have asked the GT team to build a plan and fly it at the same time". We are able to do this because of the wealth in your datasets.

Many thanks for trusting us with them!

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hook, Lisa <lisa.hook@team.neustar>  
Sent: Thursday, April 12, 2018 2:32:21 PM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Michael Sussmann  
Subject: Re: [EXTERNAL] Re: Intro

Yes, see my immediate previous email. I am sorry for creating confusion...

Lisa A. Hook  
Neustar, Inc./President and Chief Executive Officer  
120 SW 8th Street, Miami, FL 33130  
Office: 571/434-5630. Mobile:202/907-5672  
Lisa.Hook@team.neustar/www.neustar.biz

> On Apr 12, 2018, at 12:17 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Cool.

>

> For the record, let me remind everybody that GT is Neustar's customer with the respect of EA and very soon HACCS programs. This means that we are buying your data so we can conduct research and validate our algorithms. It is only fair to assume that if we find malice in your data we have an ethical responsibility to report it to you. [REDACTED]

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> As far as I am concerned, our GT - Neustar contractual obligations begin and ends in the existing data sharing agreements in place.

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> Thanks, Manos

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From: Antonakakis, Manos <manos@gatech.edu>  
Sent on: Thursday, April 12, 2018 6:52:48 PM  
To: Rodney Joffe <rjoffe@centergate.com>  
Subject: Re: [EXTERNAL] Re: Intro

If you see this in the next 5 minutes call me.

---  
Typos due to mobile device ...

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From: Antonakakis, Manos <manos@gatech.edu>  
Sent on: Thursday, April 12, 2018 4:59:48 PM  
To: Rodney Joffe <rodney.joffe@team.neustar>  
CC: Lisa Hook <lisa.hook@team.neustar>; Michael Sussmann <MSussmann@perkinscoie.com>  
Subject: Re: [EXTERNAL] Re: Intro

Packed really badly.

I can try to escape early today and meet you by the darpa area around 16.00 or after 22.00 at the Arlington Hilton hotel.

Tomorrow I can meet you at the Arlington Hilton hotel 7.00am (or earlier) but I have a hard stop at 8.00am — as I need to head out to DARPA. My flight to Atlanta leaves at 18.00 so, I could probably meet with you at 15.00 outside darpa for an hour just before I head out.

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Typos due to mobile device ...

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From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, April 12, 2018 8:32:35 PM  
To: Rodney Joffe <rjoffe@centergate.com>  
Subject: Re: [EXTERNAL] Re: Intro

Back online. Call me anytime before 17.30.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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Sent on: Thursday, April 26, 2018 8:55:29 PM  
To: Hall, John <John.Hall@team.neustar>  
CC: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Re: [EXTERNAL] Re: Ip Intelligence for HACCS

OK, John.

It looks counterintuitive to me for this to go through GT, because of the overhead. This was the main reason (according to the BAA) why DARPA wanted the data quotes \*outside\* our budget --- so they will not have to pay any overhead.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hall, John <John.Hall@team.neustar>  
Sent: Thursday, April 26, 2018 3:19:48 PM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney  
Subject: Re: [EXTERNAL] Re: Ip Intelligence for HACCS

Hi Manos - I've been on calls and wasn't able to call you at 2. I understand the rationale behind the overhead. Let me check with the HACCS folks and see how they feel about this and I'll get back to you.

Thanks

John W Hall  
Neustar, Inc. / Sr. Director - Federal Business  
[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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---

On 4/26/18, 1:30 PM, "Antonakakis, Manos" <manos@gatech.edu> wrote:

>Sure John, you can call me on the top of the hour.

>

>Happy to help you out in any way I can. However, is DARPA aware that GT  
>will need a 56% overhead on this, that is in order for you to get these  
>\$3M, I will need to come up with an add-on for HACCS and a budget that is  
>in the order of ~\$5.7M (just for this add-on)?

>

>Are they OK with this?

>

><

>Manos Antonakakis | manos@gatech.edu

>Georgia Institute of Technology

>FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

>\_\_\_\_\_

>From: Hall, John <John.Hall@team.neustar>

>Sent: Thursday, April 26, 2018 1:25:40 PM

>To: Antonakakis, Manos

>Cc: Joffe, Rodney

>Subject: Ip Intelligence for HACCS

>

>Hello Manos,

>We were recently in with the HACCS Team in Arlington. We discussed a  
>number of things, including strategies for procuring Neustar IP  
>Intelligence for the program. Since we already have a contractual  
>relationship with GTRC, we think that it would be ideal to work with your  
>organization to fulfill this requirement. At a high level, we<sup>1</sup>re  
>proposing an unlimited 1 year license @ an annual subscription cost of  
>\$3M. Let me know when you have a few minutes to discuss or if you<sup>1</sup>d like  
>to delegate to your contracts team.

>

>Thanks in advance

>

>

>

>John W Hall

>Neustar, Inc. / Sr. Director - Federal Business

>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

>\_\_\_\_\_

>\_\_\_\_\_

>

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>use of the recipient(s) named above and may contain  
>confidential and/or privileged information. If you are not the intended  
>recipient you have received this e-mail message in error  
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>is strictly prohibited. If you have received this  
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>original message

>\_\_\_\_\_

>

>

>

>

>



From: Manos Antonakakis <manos@gatech.edu>  
Sent on: Saturday, November 25, 2017 7:59:14 PM  
To: Angelos D. Keromytis <[REDACTED]>  
CC: Tejas Patel <[REDACTED]>  
Subject: Re: [manos@gatech.edu: Re: Go Gators!]  
Attachments: ATT00001 (12 Bytes), msg.asc (3.41 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, October 3, 2018 3:05:25 PM  
To: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; ryan.schilcher@us.af.mil  
CC: tejas@kududyn.com; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; jim.simpson@cynnovative.com; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: [Non-DoD Source] Re:

Works for me and my team, Chris.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Sent: Wednesday, October 3, 2018 10:04:00 AM  
To: ryan.schilcher@us.af.mil  
Cc: tejas@kududyn.com; Kline, Allison (contr-i2o); jim.simpson@cynnovative.com; Antonakakis, Manos; Keromytis, Angelos  
Subject: RE: [Non-DoD Source] Re:

Ryan,

No worries, sorry about not sending you that earlier. The week of 12 Nov looks good to me.

Jim, Tejas, Manos- How does the week of 12 Nov look for a trip down to Atl to do a deep dive into the analytics and datasets with AFOSI?

V/r,

Chris Schneck  
DARPA I2O SETA  
571-524-3821 (cell)  
918-6691

-----Original Message-----

From: SCHILCHER, RYAN D SA USAF AFOSI AFOSI/3 FIS/CI&O  
<ryan.schilcher@us.af.mil>  
Sent: Wednesday, October 3, 2018 9:44 AM  
To: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Cc: Tejas Patel <tejas@kududyn.com>; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Jim Simpson - Cynnovative <jim.simpson@cynnovative.com>  
Subject: RE: [Non-DoD Source] Re:

Hey Chris,

Unfortunately I cannot make it out this week but have full faith the venerable Mr. Stambaugh can back-brief me on anything of note.

My calendar is a little whacko the next few weeks but the first two weeks of November are pretty open at the moment so those would be best for us. If that's no good I can try to make something work sooner.

-Ryan

-----Original Message-----

From: Schneck, Christopher (contr-i2o)

[\[mailto:christopher.schneck.ctr@darpa.mil\]](mailto:christopher.schneck.ctr@darpa.mil)

Sent: Tuesday, October 2, 2018 9:34 AM

To: SCHILCHER, RYAN D SA USAF AFOSI AFOSI/3 FIS/CI&O

<[ryan.schilcher@us.af.mil](mailto:ryan.schilcher@us.af.mil)>

Cc: Tejas Patel <[tejas@kududyn.com](mailto:tejas@kududyn.com)>; Kline, Allison (contr-i2o)

<[allison.kline.ctr@darpa.mil](mailto:allison.kline.ctr@darpa.mil)>; Jim Simpson - Cynnovative

<[jim.simpson@cynnovative.com](mailto:jim.simpson@cynnovative.com)>

Subject: Re: [Non-DoD Source] Re:

Ryan,

Thanks for the email. That all sounds great, we have a lot of new findings to share and would love to hear what you see. I will sync everyone's calendars and figure out a good time to host the LAN party. What does your calendar look like end of oct, early nov? In addition, I know it's last minute but we do have a site visit at Ga Tech this Friday and are presenting to USCC on 09 Oct at DARPA. Jason Stambaugh is attending the site visit, you are more than welcome to attend as well.

V/r,

Chris

> On Oct 2, 2018, at 10:05 AM, SCHILCHER, RYAN D SA USAF AFOSI AFOSI/3

> FIS/CI&O <[ryan.schilcher@us.af.mil](mailto:ryan.schilcher@us.af.mil)> wrote:

>

> Hey Tejas!

>

> So sorry for the massive, massive delay. I had this started to respond then

> got lost in my madness. Been out of the office for the majority of the past

> two months but back now! For at least a bit. I want to continue our

> discussions on these matters, especially with the change of activity on the

> whole after the indictments. Would love to talk about the changes you all

> have observed as compared to what we are seeing. If we can establish some

> secure comms that would be great. We can try the DoD PKI certs or use PGP on

> an alternate email for me ( [REDACTED] ) if you want to go that

> route. Obviously telephones work as well.

>

> I would like to re-engage with a good time now to see if possible for us to

> have a "LAN Party" as I called it at our meeting and see if we can work on a

> dataset together over a few days, probably in Atlanta? We can start putting

> together some queries and whatnot as discussed and go from there.

>

> -Ryan

>

> -----Original Message-----

> From: Tejas Patel [\[mailto:tejas@kududyn.com\]](mailto:tejas@kududyn.com)

> Sent: Wednesday, August 22, 2018 3:27 PM

> To: Kline, Allison (contr-i2o) <[allison.kline.ctr@darpa.mil](mailto:allison.kline.ctr@darpa.mil)>; SCHILCHER,

> RYAN D SA USAF AFOSI AFOSI/3 FIS/CI&O <ryan.schilcher@us.af.mil>; Jim  
> Simpson - Cynnovative <jim.simpson@cynnovative.com>  
> Cc: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
> Subject: [Non-DoD Source] Re:  
>  
> Ryan:  
>  
> Replying with a signed email so you have my certs.  
>  
> Do you have information on any of the recent happenings in the news? I can  
> elaborate more on this with encrypted email or over the phone.  
>  
> Regards,  
> Tejas  
>  
> On 8/22/18, 3:21 PM, "Kline, Allison (contr-i2o)"  
> <allison.kline.ctr@darpa.mil> wrote:  
>  
> Ryan,  
>  
> Thank you for hosting us last week. Now that we're settled back in the DMV  
> I wanted to connect you with Tejas and Jim so that we can continue to talk,  
> especially regarding any questions about the data your team may have, and  
> how we would want to shape ingest moving forward.  
>  
> Regards,  
>  
> Allison Kline  
> DARPA I2O SETA  
> 571-218-4476 (Desk)  
> 571-471-5586 (Cell)  
> allison.kline.ctr@darpa.mil  
>  
>  
>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, October 3, 2018 7:51:24 PM  
To: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; tejas@kududyn.com  
Subject: Re: [Non-DoD Source] Re:

10-4

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, April 7, 2018 8:20:38 PM  
To: Angelos D. Keromytis <[REDACTED]>  
Subject: Re: [Nsl] heads up

If you have any more info, can you please call me. Is there anything we can do?

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Angelos D. Keromytis <[REDACTED]>  
Sent: Saturday, April 7, 2018 2:52:09 PM  
To: Antonakakis, Manos  
Subject: Fwd: [Nsl] heads up

FYI

Begin forwarded message:

From: "Angelos D. Keromytis" <[REDACTED]>  
Subject: [Nsl] heads up  
Date: April 7, 2018 at 2:48:48 PM EDT  
To: nsl List <nsl@lists.cs.columbia.edu<mailto:nsl@lists.cs.columbia.edu>>

Stelios Sidiroglou was hospitalized on Thursday because of a big hemorrhage in his brain (due to AVM, [https://en.wikipedia.org/wiki/Arteriovenous\\_malformation](https://en.wikipedia.org/wiki/Arteriovenous_malformation)). The bleeding is under control and he's in a stable condition right now (after being operated on), but he's expected to be in the ICU at Mass General Hospital for several days, and in the hospital for weeks.

That's it for now.  
-Angelos

---

Nsl mailing list  
Nsl@lists.cs.columbia.edu <mailto:Nsl@lists.cs.columbia.edu>  
<https://lists.cs.columbia.edu/mailman/listinfo/nsl>

**From:** <baseball-bounces@centergate.com> on behalf of Alexander Dupuy<alexdupuy@google.com>  
**Sent on:** Friday, April 20, 2018 2:01:41 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>; Puneet Sood<puneets@google.com>  
**CC:** baseball@centergate.com  
**Subject:** [DNS Inside Baseball 2017] Nominations  
**Attachments:** Nameless.txt (992 Bytes)

My colleague Puneet Sood <[puneets@google.com](mailto:puneets@google.com)>, who attended the meeting in San Francisco last October, would like to attend again this year (if possible, depending on date and location). I recall asking during the meeting about adding him to this list, but it seems to have somewhat slipped through the cracks and it didn't happen. At any rate, if there are no objections, I hope it would be possible to add him to this mailing list.

**I supported the nomination after last year's meeting to add Brian Hartvigsen from OpenDNS, and was glad to see that either he or someone else from OpenDNS/Umbrella is likely to attend this year's event.** Since last year's meeting there have been several new entrants in the public resolver area. CloudFlare is already represented, but I would also suggest that we invite someone from Quad9 as well; John Todd <[jtodd@quad9.net](mailto:jtodd@quad9.net)> would be the most likely choice.

---

Alexander Dupuy | Software Engineer | [alexdupuy@google.com](mailto:alexdupuy@google.com) | +1 646-462-3568

**From:** Dave Farber<dave@farber.net>  
**Sent on:** Wednesday, January 20, 2016 8:55:13 PM  
**To:** ip<ip@listbox.com>  
**Subject:** [IP] Re Lauren's Blog: "The Politicians' Encryption Backdoor Fantasies Continue -- and Legislating Pi"

Microsoft Exchange Server;converted from html;

----- Forwarded message -----

From: **Rodney Joffe** <[HYPERLINK "mailto:rjoffe@centergate.com" rjoffe@centergate.com](mailto:rjoffe@centergate.com)>  
Date: Wednesday, January 20, 2016  
Subject: [ NNSquad ] Lauren's Blog: "The Politicians' Encryption Backdoor Fantasies Continue -- and Legislating Pi"  
To: Dave Farber <[HYPERLINK "mailto:dave@farber.net" dave@farber.net](mailto:dave@farber.net)>

Dave,

For attribution of you wish..

I've read, and listened to, and even gone to "sessions" where people talk and moan about the issue.

And I've got to tell you that from my point of view, both "sides" are going about things in the wrong way. Or perhaps to be more politically correct, there is a better way to frame the issue, which in turn may result in the folks who have reacted so negatively being more useful and constructive.

First, I think that the Law Enforcement and Intelligence Community (the Government) side are doing themselves a disservice because they have articulated the requirements totally incorrectly. Based on my experience, I think that what has happened is that as the people on the front lines in LE have defined the problem and a solution, and have provided input to the layers above them, those layers who are less technical as you climb have misinterpreted, and glommed on to buzz words, and have ended up coming off poorly. Almost all of them have parroted the phrase "back door". And that is just wrong. Its *\*not\** what is wanted.

The real issue, which hardly ever gets articulated is this: In the same way that in almost every country there are laws and a process that say that if a court examines and agrees that under the law there is probable cause to allow Law Enforcement to enter and search a building, then LE can go ahead and make entry and search. Period. There are certainly appeals etc, but at the end of the day, after all due process, LE get to do their thing. And hopefully lives and property are saved and protected.

How do you get that same capability in the modern digital world? If you're ok with it in the physical world, why try and stop this in the digital world? If you don't like it in the physical world, then vote it out (I'll avoid bringing in the emotional points where I say "What if it was your daughter who was being held hostage by a maniac?" because that may color it and take us sideways). So lets just stick to the discussion about lawful orders in general.

Now to the other side. If you agree that the meatspace situation matches the cyberspace one, how *\*would\** you do it? Not with backdoors as they've been described, because in the real world LE does not have the right to be looking in your house 24x7 just in case you break a law. And they don't have master keys to every lock. So when the court says "Yes", how would the geeks on the list provide that capability? And at the time ensure that the holder[s] of the keys, if not the Government, don't get to say "Well, I see you have a court order, but over here we don't think that there is enough evidence to justify giving you the "key" to that suspect's systems/mail/phone, so the answer is go pound sand".



How would \*you\* do it. Recognizing that this is a result of a lawful order from a court that your country has approved of based on your collective vote?

Regards  
Rodney

> On Jan 20, 2016, at 1:32 PM, David Farber <[HYPERLINK "javascript:;" farber@gmail.com](mailto:farber@gmail.com)> wrote:

>

>

>

> Begin forwarded message:

>

> From: Lauren Weinstein <[HYPERLINK "javascript:;" lauren@vortex.com](mailto:lauren@vortex.com)>

> Subject: [ NNSquad ] Lauren's Blog: "The Politicians' Encryption Backdoor Fantasies Continue -- and Legislating Pi"

> Date: January 20, 2016 at 1:06:35 PM EST

> To: [HYPERLINK "javascript:;" nnsquad@nnsquad.org](mailto:nnsquad@nnsquad.org)

>

> The Politicians' Encryption Backdoor Fantasies Continue -- and Legislating Pi

>

> [HYPERLINK](#)

["http://postlink.www.listbox.com/2039509/e8edeb995420abf417ebc22e2cec6ec3/27859147/d5f17a6a?uri=aHR0c  
http://lauren.vortex.com/archive/001147.html"](http://postlink.www.listbox.com/2039509/e8edeb995420abf417ebc22e2cec6ec3/27859147/d5f17a6a?uri=aHR0chttp://lauren.vortex.com/archive/001147.html)

>

>

> "I Got You Babe."

>

> I've written about law enforcement, politicians, and their hopeless  
> fantasies of "safe" encryption backdoors so many times -- and have  
> become so disgusted at the endlessly repeating nature of the  
> situation -- that I really do feel like I'm hearing that old  
> Sonny and Cher song in much the way Bill Murray did in his 1993  
> classic film "Groundhog Day" -- again, and again ... and yet again.

>

> But the crypto backdoor "hits" just keep on comin' -- and today is no  
> exception.

>

> Now comes word that a bipartisan pair of lawmakers is introducing  
> federal legislation to establish a national commission to figure out  
> "how police can get at encrypted data of honest citizens without  
> endangering those citizen's privacy at the same time."

>

> The usual slogans are being bandied about: "What we're trying to do is  
> get that collaboration started," said Sen. Mark Warner (D-Va.), who  
> joined [Republican] McCaul on the call and will sponsor the upper  
> chamber bill. "Let's get the experts in the room."

>

> We keep hearing stuff like this from the usual suspects. Just get those  
> brainiacs together! Get "Bill Gates" working on it! Lock all those  
> liberal LGBT-lovin' software engineers in a basement somewhere and  
> they'll solve the problem. Or they'll never eat pizza again!

>

> OK, that's more of the GOP line. The Democrats also pushing crypto

> backdoors are wording it a bit differently.  
>  
> Though some crypto backdoor proponents have laudable motives, the end  
> result must be the same.  
>  
> Perhaps "Scotty" from the original "Star Trek" said it best, when he  
> noted that the laws of physics were immutable ("I can't change the laws  
> of physics") -- or, I might add, of mathematics.  
>  
> Not that politicians haven't tried to break these laws before. As far  
> back as 1897, the Indiana legislature came very close to passing  
> legislation that would have had the effect of setting the transcendental  
> ("never ending") value of the constant "Pi" to an incorrect and  
> fixed 3.2.  
>  
> So the fact that politicians and law enforcement continue to try bend  
> physics, math, and computer science to their wills -- irrespective of  
> the realities -- should come as no surprise.  
>  
> Any attempt to backdoor strong encryption systems will by definition  
> make them immensely vulnerable not only to abuse by authorities, but  
> also to outside hacking -- including by sophisticated terrorist  
> groups! -- that would put all honest users at immense risk as ever more  
> of our financial and other aspects of our personal lives are online.  
>  
> It doesn't matter if you break up the backdoor key into a thousand  
> pieces and distribute them to Boy and Girl Scouts sworn to only use them  
> in a national emergency.  
>  
> The mere act of creating any backdoor to these systems weakens them  
> enormously and catastrophically. Even Einstein wouldn't be able to  
> change that. And he'd be far too intelligent to ever try.  
>  
> Yet, most of the law enforcement officials and politicians pushing for  
> these "meetings of the experts" on backdoored encryption aren't actually  
> stupid either.  
>  
> So what's really going on?  
>  
> In my view, most of them already realize that they would have to  
> fundamentally weaken crypto to get backdoors, and that the industry  
> overall quite rightly will never voluntarily go along with doing that.  
>  
> Google, Facebook, Apple, and the others will be polite -- as they should  
> be -- but will not willingly betray the security and privacy of their  
> users with encryption backdoors.  
>  
> So the odds are that what's actually going on currently with the  
> "voluntary" backdoor crypto push is essentially a smokescreen.  
>  
> It's an attempt to provide political cover for the next step, when  
> proponents begin the "well, we tried to get cooperation first!" push for  
> legislation that would mandate backdoors in these USA crypto systems,

> whether the firms want to do it or not, and irrespective of the risks to  
 > honest users.  
 >  
 > Nor will the fact that strong encryption systems from firms outside the  
 > U.S., and from independent third parties, will continue to be available  
 > and will be the encryption systems of choice for terrorists and other  
 > criminals, who won't willingly make use of backdoored crypto once the  
 > word gets around.  
 >  
 > This suggests that ultimately it's mostly a game of political cover, of  
 > politicians being willing to massively weaken the security and privacy  
 > of us all to ensure themselves an excuse to spout at the press when bad  
 > things happen.  
 >  
 > That sort of attitude is sad. And depressing. And so very, very wrong.  
 >  
 > And about as realistic as declaring Pi to be 3.2.  
 >  
 > I think I'm going back to bed ... ..  
 >  
 > "Then put your little hand in mine.  
 > There ain't no hill or mountain,  
 > We can't climb.  
 > Babe.  
 > I got you babe.  
 > I got you babe ..."  
 >  
 > - - -  
 >  
 > --Lauren--  
 > Lauren Weinstein (HYPERLINK "javascript:" lauren@vortex.com): HYPERLINK  
["http://postlink.www.listbox.com/2039510/987b410e38d8d3acf9d5e3cfa4a1d8b5/27859147/d5f17a6a?uri=aHR0cGwvwww.vortex.com/lauren](http://postlink.www.listbox.com/2039510/987b410e38d8d3acf9d5e3cfa4a1d8b5/27859147/d5f17a6a?uri=aHR0cGwvwww.vortex.com/lauren)  
<http://www.vortex.com/lauren>  
 > Founder:  
 >  
 >  
 HYPERLINK  
["http://postlink.www.listbox.com/2039511/ceaef0abaafb826b7a7a90ddf36178e1/27859147/d5f17a6a?uri=aHR0cGwvwww.listbox.com](http://postlink.www.listbox.com/2039511/ceaef0abaafb826b7a7a90ddf36178e1/27859147/d5f17a6a?uri=aHR0cGwvwww.listbox.com)  
<http://www.listbox.com>

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["https://www.listbox.com/unsubscribe/?member\\_id=27859147&id\\_secret=27859147-c3bc1319&post\\_id=20160"](https://www.listbox.com/unsubscribe/?member_id=27859147&id_secret=27859147-c3bc1319&post_id=20160)

**From:** <raid16chairs@cs.unc.edu>

**Sent on:** Thursday, July 7, 2016 10:07:37 PM

**To:** Antonakakis, Manos<manos@gatech.edu>; Kountouras, Athanasios<kountouras@gatech.edu>; Nadji, Yacin I<yacin@gatech.edu>; Kintis, Panagiotis<kintis@gatech.edu>; Lever, Charles C<clever3@gatech.edu>; Chen, Yizheng<yzchen@gatech.edu>; Yacin Nadji<yacin@netrisk.io>; David Dagon<dagon@sudo.sh>

**Subject:** [RAID2016] Updated final paper #71 "Enabling Network Security Through Active..."

The final version for paper #71 has been updated at the 19th International Symposium on Research in Attacks, Intrusions and Defenses (RAID2016) submissions site.

Title: Enabling Network Security Through Active DNS Datasets

Authors: Athanasios Kountouras (Georgia Institute of Technology)

Panagiotis Kintis (Georgia Institute of Technology)

Chaz Lever (Georgia Institute of Technology)

Yizheng Chen (Georgia Institute of Technology)

Yacin Nadji (Netrisk)

David Dagon (Georgia Institute of Technology)

Manos Antonakakis (Georgia Institute of Technology)

Rodney Joffe (Neustar)

Paper site: <https://raid2016.cs.unc.edu/papers/paper.php/71?cap=071aWDl-MnfZupA>

You have until 8 Jul 2016 5pm EDT to make further changes.

Contact Program Chairs <raid16chairs@cs.unc.edu> with any questions or concerns.

- RAID2016 Submissions

**From:** <raid16chairs@cs.unc.edu>

**Sent on:** Thursday, July 7, 2016 10:07:37 PM

**To:** Antonakakis, Manos<manos@gatech.edu>; Kountouras, Athanasios<kountouras@gatech.edu>; Nadji, Yacin I<yacin@gatech.edu>; Kintis, Panagiotis<kintis@gatech.edu>; Lever, Charles C<clever3@gatech.edu>; Chen, Yizheng<yzchen@gatech.edu>; Yacin Nadji<yacin@netrisk.io>; David Dagon<dagon@sudo.sh>

**Subject:** [RAID2016] Updated final paper #71 "Enabling Network Security Through Active..."

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Title: Enabling Network Security Through Active DNS Datasets

Authors: Athanasios Kountouras (Georgia Institute of Technology)

Panagiotis Kintis (Georgia Institute of Technology)

Chaz Lever (Georgia Institute of Technology)

Yizheng Chen (Georgia Institute of Technology)

Yacin Nadji (Netrisk)

David Dagon (Georgia Institute of Technology)

Manos Antonakakis (Georgia Institute of Technology)

Rodney Joffe (Neustar)

Paper site: <https://raid2016.cs.unc.edu/papers/paper.php/71?cap=071aWDl-MnfZupA>

You have until 8 Jul 2016 5pm EDT to make further changes.

Contact Program Chairs <raid16chairs@cs.unc.edu> with any questions or concerns.

- RAID2016 Submissions

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos

**Sent on:** Monday, February 18, 2019 2:17:24 AM

**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>

**Subject:** Accepted: Confirmed: GA Tech/Neustar Briefing/Presentation/Discussion

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos

**Sent on:** Monday, February 18, 2019 2:17:24 AM

**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>

**Subject:** Accepted: Confirmed: GA Tech/Neustar Briefing/Presentation/Discussion

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos

**Sent on:** Monday, February 18, 2019 2:17:23 AM

**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>

**Subject:** Accepted: Dinner, Kyma Greek Restaurant



**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos

**Sent on:** Monday, February 18, 2019 2:17:23 AM

**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>

**Subject:** Accepted: Dinner, Kyma Greek Restaurant

**From:** <antonakakis@gmail.com> on behalf of Manos Antonakakis<manos@gatech.edu>  
**Sent on:** Wednesday, August 10, 2016 11:56:13 AM  
**To:** Roberts, Kristen N<kp138@gatech.edu>; Joffe, Rodney<Rodney.Joffe@neustar.biz>  
**Subject:** DARPA - EA Sub: Neustar

Hey Kristen,

Please meet Rodney. Rodney, Kristen is my great financial admin.

Kristen, Rodney can help you with all necessary details you might need for OSP.

For Neustar, will have the following yearly breakdown:

Y1: \$1M  
Y2: \$300K  
Y3: \$250K  
Y4: \$250K  
Y5: \$125K

The SOW have been structured in such away that will reflect this distribution of funds. One special thing with Neustar is the following. It would be ideal if we can have a PO from them by 30th of September. This is something that we should try very hard to do.

Rodney, please help Kristen with any information she might need from Neustar in order to have you formally in the GT systems as a vendor.

Cheers,

Manos

**From:** [REDACTED] on behalf of Manos Antonakakis<manos@gatech.edu>  
**Sent on:** Wednesday, August 10, 2016 11:56:13 AM  
**To:** Roberts, Kristen N<kp138@gatech.edu>; Joffe, Rodney<Rodney.Joffe@neustar.biz>  
**Subject:** DARPA - EA Sub: Neustar

Hey Kristen,

Please meet Rodney. Rodney, Kristen is my great financial admin.

Kristen, Rodney can help you with all necessary details you might need for OSP.

For Neustar, will have the following yearly breakdown:

Y1: \$1M  
Y2: \$300K  
Y3: \$250K  
Y4: \$250K  
Y5: \$125K

The SOW have been structured in such away that will reflect this distribution of funds. One special thing with Neustar is the following. It would be ideal if we can have a PO from them by 30th of September. This is something that we should try very hard to do.

Rodney, please help Kristen with any information she might need from Neustar in order to have you formally in the GT systems as a vendor.

Cheers,

Manos

**From:** [REDACTED] > on behalf of Manos Antonakakis<manos@gatech.edu>  
**Sent on:** Friday, July 29, 2016 2:00:14 PM  
**To:** David Dagon<dagon@sudo.sh>  
**CC:** Ahamad, Mustaqe<mustaq@cc.gatech.edu>; Farrell, Michael D<Michael.Farrell@gtri.gatech.edu>; Blough, Douglas M<doug.blough@ece.gatech.edu>; Fabian Monroe<fabian@cs.unc.edu>; Beyah, Raheem A<rbeyah@coe.gatech.edu>; Roberto Perdisci<perdisci@cs.uga.edu>; Dan Durrer<dan@durrer.net>; Rodney Joffe<rjoffe@centergate.com>; Simon Forster<forster@spamteq.com>; Tim Chen<tim@domaintools.com>  
**Subject:** DARPA-16-34-EA-FP-023 --- Status Update

Gentlemen,

This is a status update on where we are and where we are heading to.

In the last two weeks I have been in contact with a contracting person (Danielle) from USAF. They wanted a number of clarifications about our project so the contract negotiation can begin. Last night we finalized their last clarification request around our statement of work, and this morning just got off the phone with them, where they acknowledged we are good to go.

Next step here is to quickly negotiate the contract and begin the project. My number one priority at this point is for this to happen asap. I am canceling all my trips in August so I can work with them day-to-day. The program has a start date the first of November, however, I want to have us begin as early as end of August (or sooner if possible).

The two things I am making sure are:

1. We can get a written permission of a start date August 15. This will enable the academic arm of this project to start billing against the project throughout the entire Fall semester. Vis-a-vis, your students will be covered by the project in Fall.
2. The subs to get paid asap, before we even start pulling data from your networks. This is a fight that I am winning at the moment with Georgia Tech. Apparently, if you bring (this level of) funds in the school, people read your email. :) As soon as I have additional news around this, I will relay them to you. In the mean time, I will be reaching out independently so we can have a standard NDA in place between GT and your organizations. Please, be ready to share with me your standard NDA.

All-in-all, things are on track (actually, slightly ahead of schedule), and we should be starting soon. If you have any questions or issues, please drop me and Dave a note. We are here to help smooth this process and have a great 4.5 years of collaboration.

Thanks,

Manos [REDACTED]

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos

**Sent on:** Thursday, June 28, 2018 2:06:49 AM

**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>

**Subject:** Declined: Placeholder, Meeting and Dinner with Lisa Hook and Manos Antonokakis

Microsoft Exchange Server;converted from html;

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos

**Sent on:** Thursday, June 28, 2018 2:06:49 AM

**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>

**Subject:** Declined: Placeholder, Meeting and Dinner with Lisa Hook and Manos Antonokakis

Microsoft Exchange Server;converted from html;

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, August 23, 2018 3:53:38 PM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**BCC:** Joffe, Rodney<Rodney.Joffe@team.neustar>; Chen, Tim<tim@domaintools.com>; Dan Durrer<dan@klondikedata.com>; carel@spamhaus.org  
**Subject:** EA project 2019 POs

Gents,

Please have your financial people reach out to my financial administrator Michael so we can set up and finalize the 2019 PO for your data/services. I would like to get this done before December so we can avoid any last minute issues.

Many thanks for helping us out in this project!

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, February 22, 2019 1:02:56 PM  
**To:** Rodney Joffe<rjoffe@centergate.com>; Joffe, Rodney<Rodney.Joffe@team.neustar>  
**CC:** Ian Crone<ian.crone@darpa.mil>; Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>  
**Subject:** E-introductions: Neustar --- new EA PM

Hey Rodney,

I am very happy to announce that we now have a new Program Manager (PM) for the EA project. Mr. Ian Crone will be leading the program from this point on, and Mr. Chris Schneck will be helping him out.

All of us think that it would be great if the new PM team meets (in a virtual or physical meeting) with you and talk about the datasets you have been providing in support of my effort in this project. I do not have to be part of this meeting, because my schedule is too busy and I will simply slow things down. You should work directly with the Chris and Ian and set the meeting up.

Many thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, March 15, 2018 2:37:15 PM  
**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Fw: Interview with Niloofar Howe

Anything I need to know about this?

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Thursday, March 15, 2018 10:36 AM  
To: Riley, Theresa  
Cc: Achanta, Venkat  
Subject: Re: Interview with Niloofar Howe

Theresa, I can only do Friday April 6th between 10-12. This has to be a video call of some sort.

Many thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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---

From: Riley, Theresa <Theresa.Riley@team.neustar>  
Sent: Wednesday, March 14, 2018 1:48:25 PM  
To: Antonakakis, Manos  
Cc: Achanta, Venkat  
Subject: Interview with Niloofar Howe

Good afternoon Manos. My name is Theresa Riley, and I am Venkat Achanta's assistant at Neustar. I have been asked to reach out to you for availability to speak with Niloo and discuss Neustar's presence in the security space. The candidate's name is Niloofar (goes by Niloo) Howe. Lisa Hook may have already spoken to you about this person.

Here are some dates/times that I was given by Niloo's office – all times listed are Eastern. Please let me know all dates/times that would work for your schedule and I will get back to you with a confirmation. The preference would be for this to be a video conference.

I have attached her resume to this e-mail.

Thank you,  
Theresa  


Tuesday (March 20th)  
11:00 to 2:30

Monday (April 2nd)  
10:00 to 2:30

Wednesday (April 4th)  
10:00 to 2:30

Thursday (April 5th)

10:00 to 11:00 AM

12:30 to 2:30 PM

Friday (April 6th)

10:00 to 1:30 PM

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, February 1, 2018 3:15:22 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Fw: Introductions Neustar <=> GT COE

Hey Lisa,

Just finished a long meeting with Steve. I expressed to him how important this collaboration is for GT. He suggested that you two could meet the next time you are in Atlanta. Unfortunately, for reasons I can explain over the phone, he does not travel very often.

I suspect that Steve (among other things) wants see if you would be interested in a Board position at the College of Engineering.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Thursday, February 1, 2018 10:09 AM  
To: Hook, Lisa; McLaughlin, Steven W  
Cc: Joffe, Rodney  
Subject: Introductions Neustar <=> GT COE

Hey Lisa,

Allow me to introduce you the Dean and Southern Company Chair Dr. Steve McLaughlin. Steve, let me introduce you to the President and Chief Executive Officer of Neustar Lisa Hook.

Over the last two years Lisa and Rodney (the Founder of UltraDNS, and Senior Vice President and Fellow of Neustar) have been helping GT to perform again the major DoD project we have. As Neustar is aligned to the success of our research in this (and likely other future) project(s), perhaps it would make sense for you two to meet, next time Lisa is in town.

It would make a lot of sense to figure out how the collaboration between Neustar and GT can become stronger over the coming years.

Many thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, February 12, 2019 12:35:25 PM  
**To:** Keromytis, Angelos D<angelos@gatech.edu>  
**Subject:** Fw: Neustar Executive Visit to PI meeting March 8th

FYI-

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Monday, February 11, 2019 11:10 PM  
To: Rodney Joffe; Christopher Schneck  
Subject: Re: Neustar Executive Visit to PI meeting March 8th

Thanks you Rodney for the email.

For you guys to attend the site visit I will need to get the green light from Chris. Chris, can you please check and let us know if you have any issues with this?

Thanks, Manos

---  
Typos due to mobile device ...

> On Feb 11, 2019, at 21:06, Rodney Joffe <rodney.joffe@team.neustar> wrote:

>

> Hello Manos,

>

> As you know Neustar has been very involved in developing and improving our ability to provide capabilities and resources for you based on the apparent success of your EA and HACCS programs, using our data.

>

> As a result, I wonder if it would be possible for me, our CEO Charlie Gottdiener, Venkat Achanta, our Chief Data Officer, and Adm. (Ret) Mike Mullen (past Chairman of the Joint Chiefs) who is a board director of our data subsidiary to visit you during the PI day on March 8th?

>

> I think it would be extremely beneficial for my colleagues to see and understand the impact of our efforts, and to realize just how much of a difference we can make to the country's National Security efforts through GA Tech.

>

> They all obviously understand the sensitivity of the PI briefing and meeting, and would respect and sign whatever attendee documents are required of other sub-contractors on your program.

>

> Respectfully

>

> Rodney

>

> =====

> Rodney Joffe

> SVP, Senior Technologist, and Fellow

> National Security Executive

> Neustar, Inc.

> 21575 Ridgetop Circle

> Sterling VA 20166

> USA

> +1 202-533-2900 Direct

> +1 602-418-6471 Cell

> rodney.joffe@team.neustar

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, February 15, 2019 1:22:11 PM  
**To:** Keromytis, Angelos D<angelos@gatech.edu>  
**Subject:** Fw: Neustar Executive Visit to PI meeting March 8th

fyi-

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Sent: Friday, February 15, 2019 8:05 AM  
To: Antonakakis, Manos; rodney.joffe@team.neustar  
Cc: Crone, Ian  
Subject: RE: Neustar Executive Visit to PI meeting March 8th

Rodney,

Unfortunately, site visits are reserved for the DARPA team and the performer only. Site visits are an opportunity for the PM to critique (if necessary) the performer's work and it is not appropriate for vendors/subcontractors to attend these visits. In addition, a lot of times sensitive information from case studies, that our transition partners have provided, are presented and discussed.

The PM, Ian Crone, needs to have a separate discussion with Manos and the GT team, but he would like to meet with your organization and is happy to have a sidebar meeting with them in Atlanta if you want to go down there (to meet with Manos separately) or to meet with you locally here in DC.

V/r,

Chris Schneck  
DARPA I2O SETA  
571-218-4429 (office)  
571-524-3821 (cell)  
[REDACTED]

-----Original Message-----

From: Antonakakis, Manos <manos@gatech.edu>  
Sent: Monday, February 11, 2019 11:10 PM  
To: Rodney Joffe <rodney.joffe@team.neustar>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Re: Neustar Executive Visit to PI meeting March 8th

Thanks you Rodney for the email.

For you guys to attend the site visit I will need to get the green light from Chris. Chris, can you please check and let us know if you have any issues with this?

Thanks, Manos

---  
Typos due to mobile device ...

> On Feb 11, 2019, at 21:06, Rodney Joffe <rodney.joffe@team.neustar> wrote:  
>  
> Hello Manos,  
>

> As you know Neustar has been very involved in developing and improving our ability to provide capabilities and resources for you based on the apparent success of your EA and HACCS programs, using our data.

>

> As a result, I wonder if it would be possible for me, our CEO Charlie Gottdiener, Venkat Achanta, our Chief Data Officer, and Adm. (Ret) Mike Mullen (past Chairman of the Joint Chiefs) who is a board director of our data subsidiary to visit you during the PI day on March 8th?

>

> I think it would be extremely beneficial for my colleagues to see and understand the impact of our efforts, and to realize just how much of a difference we can make to the country's National Security efforts through GA Tech.

>

> They all obviously understand the sensitivity of the PI briefing and meeting, and would respect and sign whatever attendee documents are required of other sub-contractors on your program.

>

> Respectfully

>

> Rodney

>

> =====

> Rodney Joffe

> SVP, Senior Technologist, and Fellow

> National Security Executive

> Neustar, Inc.

> 21575 Ridgetop Circle

> Sterling VA 20166

> USA

> +1 202-533-2900 Direct

> +1 602-418-6471 Cell

> rodney.joffe@team.neustar

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Saturday, January 25, 2020 1:44:20 PM  
**To:** Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>  
**Subject:** Fw: Quick catch up with Neustar

FYI-

---

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Friday, January 24, 2020 3:35 PM  
To: Christopher Schneck; Rodney Joffe  
Cc: Ian Crone  
Subject: Quick catch up with Neustar

Hey Chris,

As I explained in the DHS-related email I got the green light to use the NSR and PF data from Vic and Rodney. Rodney was asking about the long term plan for the Neustar data as far as the government is concerned. While I can answer this question from the lenses of GT and my private ventures I cannot answer this on behalf of the USG.

Perhaps, you (I know Ian is busy) can you get on call with Rodney and explain to him what the long term plan is?

Thanks!

Manos



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, March 27, 2018 1:53:45 AM  
**To:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Fw: Resume  
**Attachments:** allison\_sommers\_resume3.pdf (181.99 KB)

If you are looking for a threat researcher, she is a young one that has the potential to grow. She is very close to be done with her undergrad at GT and she is looking for a full time position.

We can talk more if you like her resume.

Again, key point; she is young, but has the potential to grow into something good.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Sommers, Allison K  
Sent: Monday, March 26, 2018 8:02 PM  
To: Antonakakis, Manos  
Subject: Resume

Manos,

As we discussed, here's my resume.

Thanks!  
Alli

Microsoft Exchange Server;converted from html;

**From:** Allen, Lucretia<lucretia.allen@ece.gatech.edu> on behalf of Allen, Lucretia  
**Sent on:** Tuesday, July 31, 2018 8:37:53 PM  
**To:** Lee, Terri T<terri.lee@gatech.edu>  
**Subject:** FW: RPT CV Corrections: Antonakakis  
**Attachments:** ManosAntonakakis\_cv.pdf (197.8 KB)

Hi Terri,

Will Manos's second point make a difference?

Thanks,

Lucretia

Just smile, it's all good!

-----Original Message-----

From: Antonakakis, Manos

Sent: Saturday, July 28, 2018 10:23 AM

To: Allen, Lucretia <lucretia.allen@ece.gatech.edu>

Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>

Subject: Re: RPT CV Corrections: Antonakakis

Hey Lucretia,

Please find attached the two revised documents. A couple of clarifications regarding the comments I received from the Dean's office.

First, on the pending journals. I have none, simply because they have no impact to my community. So the NO DATA statement is correct.

Second, on the point about describing my talks, I will have to include abstracts to make the talk descriptions meaningful. That sounds like something that would make the CV unreadable, and in all honesty, I might not have all these abstracts in my records anymore. I decided to not do this because this is a non-trivial task.

Please let me know if you need anything more from my side.

Thanks,

—

Manos Antonakakis | manos@gatech.edu

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Allen, Lucretia

Sent: Friday, July 27, 2018 2:28:21 PM

To: Antonakakis, Manos

Cc: Blough, Douglas M; Allen, Lucretia

Subject: RE: RPT CV Corrections: Antonakakis

Hi Manos,

I have attached your original CV for correcting. Also, can you provide a clean Statement of Completeness? The one attached is hard to read. Terri said you can electronically sign the form.

The date on your Statement of Completeness should have the same date as on your CV, which is June 15, 2018 so please update the Statement of Completeness with the appropriate date before you send back.

Let me know if you have any questions.

Thanks,

Lucretia

[Image result for sunshine smile]

Just smile, it's all good!

From: Allen, Lucretia

Sent: Friday, July 27, 2018 2:10 PM

To: Antonakakis, Manos <manos@gatech.edu>

Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>

Subject: RPT CV Corrections: Antonakakis

Hello Professor,

Terri Lee from the Deans Office has reviewed your resume for proper formatting and posted a few comments on the CV that need correcting.

Please review and correct the items highlighted and send back to me.

Thanks,

Lucretia

[Image result for sunshine smile]

Just smile, it's all good!

Microsoft Exchange Server;converted from html;

**From:** Allen, Lucretia<lucretia.allen@ece.gatech.edu> on behalf of Allen, Lucretia  
**Sent on:** Wednesday, September 12, 2018 12:57:14 PM  
**To:** Lee, Terri T<terri.lee@gatech.edu>  
**Subject:** FW: RPT Package  
**Attachments:** RPT Package- Antonakakis.pdf (3.02 MB), RPT Package- Raychowdhury.pdf (1.7 MB)

Hi Terri,

Here are the last two.

Can you check these too?

Also with Antonakakis, for some reason I cannot bookmark "Education" within his CV.

I tried six times.

Can you see if you can do it?

Still missing-

- Dean Letter
- College Committee Letter
- School Chair Letter
- School Committee Letter

---

**From:** Allen, Lucretia  
**Sent:** Friday, September 7, 2018 3:06 PM  
**To:** Lee, Terri T <terri.lee@gatech.edu>  
**Subject:** RE: RPT Package- Sarioglu

Hi Terri,

Here's one more.

Also, the coversheets are not complete.

Will do once they complete the votes.

- Dean Letter
- College Committee Letter
- School Chair Letter (Should have by Tuesday)
- School Committee Letter (Should have by Tuesday)

Thanks,

Lucretia

---

**From:** Allen, Lucretia  
**Sent:** Friday, September 7, 2018 2:35 PM  
**To:** Lee, Terri T <[HYPERLINK "mailto:terri.lee@gatech.edu" terri.lee@gatech.edu](mailto:terri.lee@gatech.edu)>  
**Subject:** RPT Package- Zhang

Hi Terri,

Can you take a look at this one?

Missing from the package:

- Dean Letter
- College Committee Letter
- School Chair Letter (Should have by Tuesday)
- School Committee Letter (Should have by Tuesday)

Thanks,

Lucretia

Microsoft Exchange Server;converted from html;

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos

**Sent on:** Friday, June 8, 2018 1:44:24 AM

**To:** Rodney Joffe<rjoffe@centergate.com>

**Subject:** Fwd: Engineered Biosystems Building

The meeting location for tomorrow morning. My talk starts at 10.30am.

---

Typos due to mobile device ...

Begin forwarded message:

**From:** "Farrell, Michael" <[HYPERLINK "mailto:Michael.Farrell@gtri.gatech.edu" Michael.Farrell@gtri.gatech.edu](mailto:Michael.Farrell@gtri.gatech.edu)>

**Date:** June 7, 2018 at 17:51:52 EDT

**To:** "Antonakakis, Emmanouil K" <[HYPERLINK "mailto:manos@gatech.edu" manos@gatech.edu](mailto:manos@gatech.edu)>

**Subject: Engineered Biosystems Building**

[Engineered Biosystems Building](#)  
[950 Atlantic Dr NW, Atlanta, GA 30332](#)

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, May 18, 2018 12:45:39 AM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>; Hall, John<John.Hall@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** HACCS add on for Neustar

Michael, please work with John to make sure that Neustar gets the add on that we discussed.

John, Michael will be working with Allison (from DARPA) to make everything happen for Neustar. Michael will also navigate the internal GT process on your behalf. Please work with him, as he needs more information from you. Please, follow Michael's lead.

Rodney, GT is closing the fiscal year. This will have to wait until the new fiscal year kicks in (Michael, is this June or July 1st?).

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, February 1, 2018 3:09:15 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>; McLaughlin, Steven W<swm@gatech.edu>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Introductions Neustar <=> GT COE

Hey Lisa,

Allow me to introduce you the Dean and Southern Company Chair Dr. Steve McLaughlin. Steve, let me introduce you to the President and Chief Executive Officer of Neustar Lisa Hook.

Over the last two years Lisa and Rodney (the Founder of UltraDNS, and Senior Vice President and Fellow of Neustar) have been helping GT to perform again the major DoD project we have. As Neustar is aligned to the success of our research in this (and likely other future) project(s), perhaps it would make sense for you two to meet, next time Lisa is in town.

It would make a lot of sense to figure out how the collaboration between Neustar and GT can become stronger over the coming years.

Many thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, April 13, 2018 3:03:14 PM  
**To:** scotttaylor31415@gmail.com  
**CC:** Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Intros

Scott please meet Rodney. Rodney, please meet Scott. You two are local, and I think you should get together for lunch or dinner.

Thanks, Manos

---

Typos due to mobile device ...



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, February 1, 2018 3:24:41 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: [EXTERNAL] Fw: Introductions Neustar <=> GT COE

No Lisa, let me clarify.

Steve is the Dean of the College of Engineering. To put things into perspective, being the Dean of the College of Engineering makes him number 4 in the overall hierarchy of Georgia Tech, under the President, the Provost and the Executive Vice President of Research.

At the same time the Southern Company have created a life-long (and very prestigious) Endowed Chair for him at Georgia Tech. As you can imagine he is in very good terms with the highest people in the Southern Company. I do think the Southern Company has a presence in the Board of the College of Engineering.

Hope this is more clear.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hook, Lisa <lisa.hook@team.neustar>  
Sent: Thursday, February 1, 2018 10:16:37 AM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney  
Subject: Re: [EXTERNAL] Fw: Introductions Neustar <=> GT COE

Is Steve dean of the school of engineering AND chairman of Southern Companies?

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer  
120 SW 8th Street, Miami FL 33130  
Office: 571.434.5630 Mobile: 202.907.5672  
lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

On Feb 1, 2018, at 10:15, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Hey Lisa,

Just finished a long meeting with Steve. I expressed to him how important this collaboration is for GT. He suggested that you two could meet the next time you are in Atlanta. Unfortunately, for reasons I can explain over the phone, he does not travel very often.

I suspect that Steve (among other things) wants see if you would be interested in a Board position at the College of Engineering.

Thanks,

---

Manos Antonakakis | manos@gatech.edu<mailto:manos@gatech.edu>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Antonakakis, Manos  
Sent: Thursday, February 1, 2018 10:09 AM  
To: Hook, Lisa; McLaughlin, Steven W  
Cc: Joffe, Rodney  
Subject: Introductions Neustar <=> GT COE

Hey Lisa,

Allow me to introduce you the Dean and Southern Company Chair Dr. Steve McLaughlin. Steve, let me introduce you to the President and Chief Executive Officer of Neustar Lisa Hook.

Over the last two years Lisa and Rodney (the Founder of UltraDNS, and Senior Vice President and Fellow of Neustar) have been helping GT to perform again the major DoD project we have. As Neustar is aligned to the success of our research in this (and likely other future) project(s), perhaps it would make sense for you two to meet, next time Lisa is in town.

It would make a lot of sense to figure out how the collaboration between Neustar and GT can become stronger over the coming years.

Many thanks,

—  
Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)<<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, January 18, 2018 4:56:57 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>; Naperkoski, Valerie<Valerie.Naperkoski@team.neustar>; Gregory, Liebe<Liebe.Gregory@team.neustar>  
**Subject:** Re: [EXTERNAL] Re: Friday

Lisa, I am usually at the office by 8.00am. Anytime that works for you.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Hook, Lisa <lisa.hook@team.neustar>  
Sent: Thursday, January 18, 2018 11:55:40 AM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Naperkoski, Valerie; Gregory, Liebe  
Subject: Re: [EXTERNAL] Re: Friday

Can we move forward to 9?

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer  
120 SW 8th Street, Miami FL 33130  
Office: 571.434.5630 Mobile: 202.907.5672  
lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

On Jan 17, 2018, at 17:26, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Hey Lisa, absolutely!

My office is at the Klaus Advance Computing Building, 3rd floor, Room 3364. I can send you the visitor parking direction if you will be driving in.

My cell is [REDACTED], in case you need to call me.

Many thanks,

Manos

---  
Typos due to mobile device ...

On Jan 17, 2018, at 20:04, Hook, Lisa <lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>> wrote:

Manos,

I am in Atlanta for meetings on Friday and am wondering if you are in town and free at 9:30 to meet at school. Would love to catch up.

Best,

Lisa

Lisa A. Hook

Neustar, Inc./President and Chief Executive Officer

120 SW 8th Street, Miami, FL 33130

Office: 571/434-5630. Mobile [REDACTED]

[Lisa.Hook@team.neustar](mailto:Lisa.Hook@team.neustar)<mailto:Lisa.Hook@team.neustar>/[www.neustar.biz](http://www.neustar.biz)<http://www.neustar.biz>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, January 18, 2018 5:04:43 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>; Naperkoski, Valerie<Valerie.Naperkoski@team.neustar>; Gregory, Liebe<Liebe.Gregory@team.neustar>  
**Subject:** Re: [EXTERNAL] Re: Friday

Fantastic --- looking forward to it Lisa!

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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---

From: Hook, Lisa <lisa.hook@team.neustar>  
Sent: Thursday, January 18, 2018 12:03:39 PM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Naperkoski, Valerie; Gregory, Liebe  
Subject: Re: [EXTERNAL] Re: Friday

Thanks. Will see you at 9! I don't have any agenda -- just want to meet, catch up.

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer  
120 SW 8th Street, Miami FL 33130  
Office: 571.434.5630 Mobile: 202.907.5672  
lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>/www.neustar.biz<http://www.neustar.biz>

On Jan 18, 2018, at 08:57, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Lisa, I am usually at the office by 8.00am. Anytime that works for you.

Thanks,

---

Manos Antonakakis | manos@gatech.edu<mailto:manos@gatech.edu>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Hook, Lisa <lisa.hook@team.neustar<mailto:lisa.hook@team.neustar>>  
Sent: Thursday, January 18, 2018 11:55:40 AM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney; Naperkoski, Valerie; Gregory, Liebe  
Subject: Re: [EXTERNAL] Re: Friday

Can we move forward to 9?

Lisa A. Hook  
Neustar Inc/ President & Chief Executive Officer  
120 SW 8th Street, Miami FL 33130  
Office: 571.434.5630 Mobile: [REDACTED]  
lisa.hook@team.neustar<mailto:lisa.hook@team.neustar><mailto:lisa.hook@team.neustar>/www.neustar.biz<http://www.n

On Jan 17, 2018, at 17:26, Antonakakis, Manos

<manos@gatech.edu<mailto:manos@gatech.edu><mailto:manos@gatech.edu>> wrote:

Hey Lisa, absolutely!

My office is at the Klaus Advance Computing Building, 3rd floor, Room 3364. I can send you the visitor parking direction if you will be driving in.

My cell is [REDACTED] in case you need to call me.

Many thanks,

Manos

---

Typos due to mobile device ...

On Jan 17, 2018, at 20:04, Hook, Lisa

<lisa.hook@team.neustar<mailto:lisa.hook@team.neustar><mailto:lisa.hook@team.neustar>> wrote:

Manos,

I am in Atlanta for meetings on Friday and am wondering if you are in town and free at 9:30 to meet at school. Would love to catch up.

Best,

Lisa

Lisa A. Hook

Neustar, Inc./President and Chief Executive Officer

120 SW 8th Street, Miami, FL 33130

Office: 571/434-5630. Mobile [REDACTED]

Lisa.Hook@team.neustar<mailto:Lisa.Hook@team.neustar><mailto:Lisa.Hook@team.neustar>/www.neustar.biz<http://ww

**From:** NANOG<nanog-bounces@nanog.org> on behalf of Steven Miano<mianosm@gmail.com>

**Sent on:** Saturday, October 15, 2016 1:23:08 PM

**To:**

**CC:** NANOG<nanog@nanog.org>

**Subject:** Re: 18 years ago today - rfc 2468

For those who are not sure: The significance of Jon Postel's contributions to building the Internet, both technical and personal, were such that a memorial recollection of his life forms part of the core technical literature sequence of the Internet in the form of RFC 2468 "I Remember IANA", written by Vinton Cerf.

On Sat, Oct 15, 2016 at 9:08 AM, Rodney Joffe <rjoffe@centergate.com> wrote:

> How time flies....

>

--

Miano, Steven M.

<http://stevenmiano.com>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, August 30, 2018 8:47:49 PM  
**To:** Riley, Theresa<Theresa.Riley@team.neustar>; Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: Availability for tomorrow with Venkat

Theresa, I can do 15.00-16.00 ET tomorrow.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Riley, Theresa <Theresa.Riley@team.neustar>  
Sent: Thursday, August 30, 2018 4:46:34 PM  
To: Antonakakis, Manos; Joffe, Rodney  
Subject: Availability for tomorrow with Venkat

Good afternoon gentlemen. Venkat would like to have a call either from 2:00 – 3:00 p.m. Eastern or 3:00 – 4:00 p.m. Eastern. Would you be able to accommodate either of those times tomorrow?

Please let me know and I will send out a calendar invite.

Thanks,  
Theresa



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, September 27, 2019 2:05:53 AM  
**To:** Dillon, Linda<linda.dillon@ece.gatech.edu>  
**CC:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**Subject:** Re: CV  
**Attachments:** ManosAntonakakis\_cv.pdf (118 KB)

Linda, let me know if the attached will work.

Thanks,

---

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Dillon, Linda <linda.dillon@ece.gatech.edu>  
Sent: Thursday, September 26, 2019 8:02 AM  
To: Antonakakis, Manos  
Cc: Mitchell, Michael F  
Subject: CV

Hi Manos,

Can you please send a current copy of your CV to me?

Thank you,  
Linda

Linda Dillon  
Assistant Director of Administrative Operations  
Georgia Institute of Technology  
School of Electrical and Computer Engineering  
Office Phone: 404.894.7574  
Email: linda.dillon@ece.gatech.edu<mailto:linda.dillon@ece.gatech.edu>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Monday, December 2, 2019 5:17:26 PM  
**To:** Kimberly Templeton<kimberly.templeton@agbsearch.com>  
**Subject:** Re: CV  
**Attachments:** AGBSearch-Logo+Tagline-2C.png (72.44 KB), ManosAntonakakis\_cv\_2019.pdf (110.36 KB)

Kimberly, the last time I updated my CV was almost a year ago when I went up for tenure. Did a few quick updates (between meetings) and I am sending it to you. However, please keep in mind that it does not contains all up to date information.

Thanks,

—  
Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Kimberly Templeton <kimberly.templeton@agbsearch.com>  
Sent: Monday, December 2, 2019 10:29 AM  
To: Antonakakis, Manos  
Subject: CV

Hi Manos:

Might you be able to send me your CV so I can share it with Nadya and Kyle?

Best,

Kimberly

Kimberly Templeton, J.D.

Principal

AGB Search  
202.776.0820 Office

540.761.9494 Mobile

1133 20th Street NW, Suite 300, Washington, DC 20036

kimberly.templeton@agbsearch.com<mailto:kimberly.templeton@agbsearch.com>

[AGBSearch-Logo+Tagline-2C.png]

Microsoft Exchange Server;converted from html;

**From:** Roberts, Kristen N<fvirgil6@gatech.edu> on behalf of Roberts, Kristen N

**Sent on:** Wednesday, August 10, 2016 12:27:42 PM

**To:** Antonakakis, Manos<manos@gatech.edu>; Joffe, Rodney<Rodney.Joffe@neustar.biz>

**Subject:** Re: DARPA - EA Sub: Neustar

**From:** Rodney Joffe<rodney.joffe@neustar.biz>  
**Sent on:** Thursday, August 11, 2016 10:36:16 PM  
**To:** Roberts, Kristen N<kp138@gatech.edu>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: DARPA - EA Sub: Neustar

Hello Kristen,

I'm glad to meet with you and looking forward to getting the paperwork handled. And I'm also glad that Manos allowed us to be part of the project. Let me know when you're ready :-)

> On Aug 10, 2016, at 8:27 AM, Roberts, Kristen N <kristen.roberts@ece.gatech.edu> wrote:

>

> Hi Manos,

>

> Thank you for the kind introduction.

>

> Rodney, it is a pleasure to meet you and congratulations on this grand award! I am working with our contracting specialist to confirm which forms are needed to have Neustar set-up efficiently for the start of this project. I will do my best to have the subaward paperwork and PO entered by 9/30, but please note this timeline is dependent upon execution of the main project from DARPA in OSP.

>

> I look forward to working with you on this project. Please let me know if you need any additional information.

>

> Best,

> Kristen

>

>

>

> \_\_\_\_\_  
> Kristen Roberts

> Financial Administrator III

> Georgia Institute of Technology

> School of Electrical & Computer Engineering

> 266 Ferst Drive, Atlanta, GA 30332-0250

> KACB-Rm 3352

> Ph: 404.385.6485

> Email: Kristen.roberts@ece.gatech.edu

>

>

>

> From: [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>

> Sent: Wednesday, August 10, 2016 7:56 AM

> To: Roberts, Kristen N; Joffe, Rodney

> Subject: DARPA - EA Sub: Neustar

>

> Hey Kristen,

>

> Please meet Rodney. Rodney, Kristen is my great financial admin.

>

> Kristen, Rodney can help you with all necessary details you might need for OSP.

>

> For Neustar, will have the following yearly breakdown:

> Y1: \$1M

> Y2: \$300K

> Y3: \$250K

> Y4: \$250K

> Y5: \$125K

>

> The SOW have been structured in such way that will reflect this

> distribution of funds. One special thing with Neustar is the  
> following. It would be ideal if we can have a PO from them by 30th of  
> September. This is something that we should try very hard to do.  
>  
> Rodney, please help Kristen with any information she might need from  
> Neustar in order to have you formally in the GT systems as a vendor.  
>  
> Cheers,  
>  
> Manos

Microsoft Exchange Server;converted from html;

**From:** Roberts, Kristen N<fvirgil6@gatech.edu> on behalf of Roberts, Kristen N

**Sent on:** Tuesday, September 6, 2016 2:46:31 PM

**To:** Rodney Joffe<rodney.joffe@neustar.biz>

**CC:** Antonakakis, Manos<manos@gatech.edu>

**Subject:** Re: DARPA - EA Sub: Neustar

**From:** [REDACTED] on behalf of Manos Antonakakis<manos@gatech.edu>  
**Sent on:** Thursday, August 25, 2016 12:34:05 PM  
**To:** David Dagon<dagon@sudo.sh>  
**CC:** Ahamad, Mustaqe<mustaq@cc.gatech.edu>; Farrell, Michael D<Michael.Farrell@gtri.gatech.edu>; Blough, Douglas M<doug.blough@ece.gatech.edu>; Fabian Monroe<fabian@cs.unc.edu>; Beyah, Raheem A<rbeyah@coe.gatech.edu>; Roberto Perdisci<perdisci@cs.uga.edu>; Dan Durrer<dan@durrer.net>; Rodney Joffe<rjoffe@centergate.com>; Simon Forster<forster@spamteq.com>; Tim Chen<tim@domaintools.com>  
**Subject:** Re: DARPA-16-34-EA-FP-023 --- Status Update

Folks,

The Air Force people just came back to me, with the following message.

#####

Manos,

So great to hear from you!

The new start contract package has been assigned to a contract specialist and contracting officer. The contract specialist will reach out to George Tech, but I'm not certain when exactly this will be.

Contract awards are anticipated for early November.

Thanks again for your email.

Danielle

#####

They are moving \_very slow\_ folks, regardless the emails I am sending their way. Not sure what else I can do but wait.

Cheers,

Manos

On Wed, Aug 10, 2016 at 11:16 AM, Manos Antonakakis <manos@gatech.edu> wrote:

> Folks,

>

> This is a quick update.

>

> We are trying to have the subs ready, even before we begin the  
> negotiation of the contract begins. This should expedite the official  
> start of this project. Meanwhile, Dave and I have taken care two  
> requests for attribution reports that came towards our team. We didn't  
> wanted to ruin your summer, so with the exception of Rodney and Tim  
> (who helped us with data --- many thanks), we delivered against these  
> requests ourselves.

>

> The quality of our deliverables trilled the DARPA folks. In private  
> channels they acknowledged that; "the work we delivered [through our  
> framework] is well ahead of what is the norm [in research]". Clearly,  
> the first impression of what we can deliver is well above the bar.

>

> With respect of the Air Force folks, I am waiting for someone to  
> contact me so I can initialize the contract negotiation. I do not have  
> a date for when this will happen. Expect news as I receive them.

>  
> As always, if you need anything please ring me up.

>  
> Cheers,

>  
> Manos [REDACTED]

>  
> On Tue, Aug 2, 2016 at 11:33 AM, Manos Antonakakis <manos@gatech.edu> wrote:

>> Folks,  
>>  
>> A quick update from DARPA. Just talked to them over the phone. The  
>> funds are flowing into our accounts and in the next two weeks or so  
>> the contract negotiation shall begin.

>>  
>> Also, they are investigating our request to have as the start date the  
>> 15th of August. If I have any news around this I will let you know.

>>  
>> Cheers,

>>  
>> Manos [REDACTED]

>>  
>>  
>> On Fri, Jul 29, 2016 at 10:00 AM, Manos Antonakakis <manos@gatech.edu> wrote:

>>> Gentlemen,  
>>>  
>>> This is a status update on where we are and where we are heading to.  
>>>  
>>> In the last two weeks I have been in contact with a contracting person  
>>> (Danielle) from USAF. They wanted a number of clarifications about our  
>>> project so the contract negotiation can begin. Last night we finalized  
>>> their last clarification request around our statement of work, and  
>>> this morning just got of the phone with them, where they acknowledged  
>>> we are good to go.

>>>  
>>> Next step here is to quickly negotiate the contract and begin the  
>>> project. My number one priority at this point is for this to happen  
>>> asap. I am canceling all my trips in August so I can work with them  
>>> day-to-day. The program has a start date the first of November,  
>>> however, I want to have us begin as early as end of August (or sooner  
>>> if possible).

>>>  
>>> The two things I am making sure are:

>>>  
>>> 1. We can get a written permission of a start date August 15. This  
>>> will enable the academic arm of this project to start billing against  
>>> the project throughout the entire Fall semester. Vis-a-vis, your  
>>> students will be covered by the project in Fall.

>>>  
>>> 2. The subs to get paid asap, before we even start pulling data from  
>>> your networks. This is a fight that I am winning at the moment with  
>>> Georgia Tech. Apparently, if you bring (this level of) funds in the  
>>> school, people read your email. :) As soon as I have additional news  
>>> around this, I will relay them to you. In the mean time, I will be  
>>> reaching out independently so we can have a standard NDA in place  
>>> between GT and your organizations. Please, be ready to share with me  
>>> your standard NDA.

>>>  
>>> All-in-all, things are on track (actually, slightly ahead of  
>>> schedule), and we should be starting soon. If you have any questions  
>>> or issues, please drop me and Dave a note. We are here to help smooth



>>> this process and have a great 4.5 years of collaboration.

>>>

>>> Thanks,

>>>

>>> Manos 

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, May 19, 2020 10:16:07 PM  
**To:** Nemeth, Jacqueline L<jackie.nemeth@ece.gatech.edu>  
**Subject:** Re: Dean's Professorship  
**Attachments:** ManosAntonakakis\_cv\_2019.pdf (110.36 KB)

Thank you Jackie. Attached is an older CV with does not include three new research papers, two new students and \$10M in research funding that I was awarded the last two weeks. Inline please find my long Bio. Please let me know if you need anything else.

Dr. Manos Antonakakis (PhD'12), is an Associate Professor in the School of Electrical and Computer Engineering (ECE), and co-Director of the Center for Cyber Operations Enquiry and Unconventional Sensing (COEUS) at Georgia Tech ECE. Dr. Antonakakis currently also serve's as the co-chair of the Academic Committee for the Messaging Anti-Abuse Working Group (MAAWG). He is responsible for the Astrolavos Lab, where students conduct research in the areas of attack attribution, network security and privacy, intrusion detection, and data mining.

Throughout his six year tenure at Georgia Tech, Antonakakis has raised more than \$53M in research funding from government agencies and the private sector. In April of 2018 he received the Outstanding Achievement in Research Development award from the Georgia Institute of Technology. He is the author of multiple U.S. patents in the areas of security and machine learning, and the author of more than 35 academic publications that have been featured at international, peer-reviewed conferences. In May 2012, he received his Ph.D. in Computer Science from the Georgia Institute of Technology. His PhD thesis considered the seminal work in DNS Security and DNS-based Statistical learning, and it is the first PhD thesis worldwide on statistical learning in DNS security.

Prior to joining Georgia Tech as faculty, Antonakakis served as chief scientist at Damballa, where his research supported early threat detection and prevention tools. Prior to joining Damballa, he worked for IBM/ISS and was a guest researcher at the National Institute of Standards and Technology - US Department of Commerce.

He served multiple times as a program committee member for all tier-one information security conferences. He also have received two distinguished reviewer awards for his service to these premier academic venues (RAID 2016 and IEEE S&P 2019). His service to the Department of Defense (DoD), Intelligence Community (IC) and law enforcement organizations (LEOs) spans nearly a decade. In his most recent recognition, Dr. Antonakakis received the Certificate of Appreciation for service provided to the 2nd Cyber Protection Battalion of the U.S. Army at Fort Gordon.

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Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Nemeth, Jacqueline L <jackie.nemeth@ece.gatech.edu>  
Sent: Tuesday, May 19, 2020 5:40 PM  
To: Antonakakis, Manos  
Subject: Re: Dean's Professorship

Hi Manos,

I will start working on the announcement for your professorship tomorrow. Would you please send me a recent short bio and CV that I can work from? I'll put together a draft and will send it to you to review. Once we're both happy with it, I'll send the announcement to Magnus to review and then send to the ECE community on behalf of himself and Steve McLaughlin.

Thanks and congratulations again — I am very happy for you! ☐☐

Jackie  
\*\*\*\*\*  
Jackie Nemeth

Georgia Institute of Technology  
School of Electrical and Computer Engineering  
Atlanta, GA 30332-0250  
Phone: 404-894-2906  
Email: jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu>

On May 14, 2020, at 9:33 AM, Nemeth, Jacqueline L  
<jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu>> wrote:

Hi Manos,

I'll be in touch with you early next week about this announcement. I'm in the midst of reviewing promotion and tenure paperwork, and I hope to be finished with it by the end of this week.

Congratulations again on this well-deserved professorship!

Jackie

\*\*\*\*\*

Jackie Nemeth  
Georgia Institute of Technology  
School of Electrical and Computer Engineering  
Atlanta, GA 30332-0250  
Phone: 404-894-2906  
Email: jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu>

On May 14, 2020, at 9:17 AM, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Thank you Jackie!

Please tell me what you need from me, and I will send it your way asap.

Thanks,

—  
Manos Antonakakis | Associate Professor | manos@gatech.edu<mailto:manos@gatech.edu>  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Nemeth, Jacqueline L <jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu>>  
Sent: Thursday, May 14, 2020 8:47 AM  
To: Egerstedt, Magnus  
Cc: Antonakakis, Manos  
Subject: Re: Dean's Professorship

Hi Magnus,

Sure, will do! Congratulations, Manos, on this terrific achievement; you deserve this very much. I'll be in touch with you as soon as I can to work on this announcement.

Best regards,

Jackie

\*\*\*\*\*

Jackie Nemeth

Georgia Institute of Technology

School of Electrical and Computer Engineering

Atlanta, GA 30332-0250

Phone: 404-894-2906

Email: jackie.nemeth@ece.gatech.edu<mailto:jackie.nemeth@ece.gatech.edu><mailto:jackie.nemeth@ece.gatech.edu>

On May 14, 2020, at 7:37 AM, Egerstedt, Magnus

<magnus.egerstedt@ece.gatech.edu<mailto:magnus.egerstedt@ece.gatech.edu><mailto:magnus.egerstedt@ece.gatech.edu>  
wrote:

Hello Jackie; Manos has been awarded the Dean's Professorship, effective July 1 and I would like to send out a congratulatory email to this effect. This professorship resides in the College and after talking to Steve about the announcement, we agreed that I should send it out (like we normally do) but on behalf of both myself and Steve.

Can you please work with Manos to produce the announcement?

Thanks! / Magnus

—

Magnus Egerstedt, Ph.D.

Steve W. Chaddick School Chair and Professor

School of Electrical and Computer Engineering

Georgia Institute of Technology

[www.ece.gatech.edu](http://www.ece.gatech.edu)<<http://www.ece.gatech.edu/>><<http://www.ece.gatech.edu/>>

[www.ece.gatech.edu/~magnus](http://www.ece.gatech.edu/~magnus)<<http://www.ece.gatech.edu/~magnus>><<http://www.ece.gatech.edu/~magnus>>

Georgia Tech ECE: Dreaming, Designing, and Getting it Done!

Microsoft Exchange Server;converted from html;

**From:** Roberts, Kristen N<fvirgil6@gatech.edu> on behalf of Roberts, Kristen N

**Sent on:** Monday, September 19, 2016 11:57:55 AM

**To:** Travis, Elan<Elan.travis@osp.gatech.edu>

**Subject:** Re: Draft/sample subcontract

Microsoft Exchange Server;converted from html;

**From:** Roberts, Kristen N<fvirgil6@gatech.edu> on behalf of Roberts, Kristen N

**Sent on:** Friday, September 16, 2016 7:12:00 PM

**To:** Travis, Elan<Elan.travis@osp.gatech.edu>

**Subject:** Re: Draft/sample subcontract

Microsoft Exchange Server;converted from html;

**From:** Travis, Elan<Elan.travis@osp.gatech.edu>  
**Sent on:** Monday, September 19, 2016 2:54:08 PM  
**To:** Roberts, Kristen N<kp138@gatech.edu>  
**Subject:** RE: Draft/sample subcontract

You are welcome! Let me know if you need anything else. Have a great day!

**Élan Travis**

Contracting Specialist

**Georgia Institute of Technology | GTRC- Office of Sponsored Programs**

404.385-3645

[elan.travis@osp.gatech.edu](mailto:elan.travis@osp.gatech.edu)

---

**From:** Roberts, Kristen N [mailto:kristen.roberts@ece.gatech.edu]

**Sent:** Monday, September 19, 2016 7:58 AM

**To:** Travis, Elan <Elan.travis@osp.gatech.edu>

**Subject:** Re: Draft/sample subcontract

**From:** Travis, Elan <[HYPERLINK "mailto:Elan.travis@osp.gatech.edu" Elan.travis@osp.gatech.edu](mailto:Elan.travis@osp.gatech.edu)>

**Sent:** Friday, September 16, 2016 4:43 PM

**To:** 'rodney.joffe@neustar.biz'

**Cc:** Antonakakis, Emmanouil K; Roberts, Kristen N

**Subject:** Draft/sample subcontract

Kristen Roberts in Georgia Techs School of Electrical and Computer Engineering asked me to provide you with a draft subcontract. I have attached the draft template, please know that depending on the prime awards terms this may change with items being removed and/or added.

Please feel free to contact my if you have any questions or concerns.

**Élan Travis**

Contracting Specialist

**Georgia Institute of Technology | GTRC**

Office of Sponsored Programs

505 Tenth Street, Atlanta GA 30332-0420

404.385-3645 p | 404.894.5945 f | [elan.travis@osp.gatech.edu](mailto:elan.travis@osp.gatech.edu)



**From:** <antonakakis@gmail.com> on behalf of Manos Antonakakis<manos@gatech.edu>  
**Sent on:** Friday, September 16, 2016 8:51:45 PM  
**To:** Travis, Elan<Elan.travis@osp.gatech.edu>  
**CC:** rodney.joffe@neustar.biz; Roberts, Kristen N<kp138@gatech.edu>  
**Subject:** Re: Draft/sample subcontract

Microsoft Exchange Server;converted from html;  
Many thanks Elan and Kristen!

Manos

On Fri, Sep 16, 2016 at 4:43 PM, Travis, Elan <[HYPERLINK "mailto:Elan.travis@osp.gatech.edu" Elan.travis@osp.gatech.edu](mailto:Elan.travis@osp.gatech.edu)> wrote:

Good Afternoon Rodney,

Kristen Roberts in Georgia Techs School of Electrical and Computer Engineering asked me to provide you with a draft subcontract. I have attached the draft template, please know that depending on the prime awards terms this may change with items being removed and/or added.

Please feel free to contact my if you have any questions or concerns.

**Élan Travis**

Contracting Specialist

**Georgia Institute of Technology | GTRC**

Office of Sponsored Programs

505 Tenth Street, Atlanta GA 30332-0420

404.385-3645 p | 404.894.5945 f | [elan.travis@osp.gatech.edu](mailto:elan.travis@osp.gatech.edu)





**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, January 18, 2018 1:26:48 AM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: Friday

Hey Lisa, absolutely!

My office is at the Klaus Advance Computing Building, 3rd floor, Room 3364. I can send you the visitor parking direction if you will be driving in.

My cell is [REDACTED], in case you need to call me.

Many thanks,

Manos

---

Typos due to mobile device ...

> On Jan 17, 2018, at 20:04, Hook, Lisa <lisa.hook@team.neustar> wrote:

>

> Manos,

>

> I am in Atlanta for meetings on Friday and am wondering if you are in town and free at 9:30 to meet at school. Would love to catch up.

>

> Best,

>

> Lisa

>

> Lisa A. Hook

> Neustar, Inc./President and Chief Executive Officer

> 120 SW 8th Street, Miami, FL 33130

> Office: 571/434-5630. Mobile:202/907-5672

> Lisa.Hook@team.neustar/www.neustar.biz

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, May 18, 2018 7:08:14 PM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>; Hall, John<John.Hall@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>; Lamb, Lewis<Lewis.Lamb@team.neustar>  
**Subject:** Re: HACCS add on for Neustar

You do not need me in this meeting.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Mitchell, Michael F  
Sent: Friday, May 18, 2018 3:07:36 PM  
To: Hall, John; Antonakakis, Manos  
Cc: Joffe, Rodney; Lamb, Lewis  
Subject: RE: HACCS add on for Neustar

Hey John,

My schedule is very flexible on Monday so how about 10AM, 11AM, or 1PM?

Michael Mitchell

Research Operations Program Manager  
GEORGIA Institute  
of TECH nology  
School of Electrical and Computer Engineering  
777 Atlantic Drive NW  
Atlanta, GA 30332-0765  
Phone: 404-385-8122

-----Original Message-----

From: Hall, John <John.Hall@team.neustar>  
Sent: Friday, May 18, 2018 2:10 PM  
To: Antonakakis, Manos <manos@gatech.edu>; Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
Cc: Joffe, Rodney <Rodney.Joffe@team.neustar>; Lamb, Lewis <Lewis.Lamb@team.neustar>  
Subject: Re: HACCS add on for Neustar

Thanks Manos.

Hi Michael. Are you available for a call to discuss this on Monday?  
Please send a couple of times that work for you.

Thanks in advance,

John W Hall  
Neustar, Inc. / Sr. Director - Federal Business  
[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

---

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message in error and any review, dissemination, distribution, or copying of this message is strictly prohibited. If you have received this communication in error, please notify us immediately and delete the original message

---

On 5/17/18, 8:45 PM, "Antonakakis, Manos" <manos@gatech.edu> wrote:

>Michael, please work with John to make sure that Neustar gets the add  
>on that we discussed.

>

>John, Michael will be working with Allison (from DARPA) to make  
>everything happen for Neustar. Michael will also navigate the internal  
>GT process on your behalf. Please work with him, as he needs more  
>information from you. Please, follow Michael's lead.

>

>Rodney, GT is closing the fiscal year. This will have to wait until the  
>new fiscal year kicks in (Michael, is this June or July 1st?).

>

>Thanks,

>

>

>Manos Antonakakis | manos@gatech.edu

>Georgia Institute of Technology

>FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Saturday, May 19, 2018 1:53:02 AM  
**To:** Hall, John<John.Hall@team.neustar>  
**Subject:** Re: HACCS add on for Neustar

Likewise, John.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hall, John <John.Hall@team.neustar>  
Sent: Friday, May 18, 2018 4:49:13 PM  
To: Antonakakis, Manos  
Subject: Re: HACCS add on for Neustar

Ack. Have a nice weekend

John W Hall  
Neustar, Inc. / Sr. Director – Federal Business  
[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

---

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---

On 5/18/18, 3:08 PM, "Antonakakis, Manos" <manos@gatech.edu> wrote:

>You do not need me in this meeting.

>

>—

>Manos Antonakakis | manos@gatech.edu  
>Georgia Institute of Technology  
>FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

>

---

>From: Mitchell, Michael F  
>Sent: Friday, May 18, 2018 3:07:36 PM

>To: Hall, John; Antonakakis, Manos  
>Cc: Joffe, Rodney; Lamb, Lewis  
>Subject: RE: HACCS add on for Neustar

>Hey John,

>My schedule is very flexible on Monday so how about 10AM, 11AM, or 1PM?

>Michael Mitchell

>Research Operations Program Manager  
>GEORGIA Institute  
>of TECHNOLOGY  
>School of Electrical and Computer Engineering  
>777 Atlantic Drive NW  
>Atlanta, GA 30332-0765  
>Phone: 404-385-8122

>-----Original Message-----

>From: Hall, John <John.Hall@team.neustar>  
>Sent: Friday, May 18, 2018 2:10 PM  
>To: Antonakakis, Manos <manos@gatech.edu>; Mitchell, Michael F  
><michael.mitchell@ece.gatech.edu>  
>Cc: Joffe, Rodney <Rodney.Joffe@team.neustar>; Lamb, Lewis  
><Lewis.Lamb@team.neustar>  
>Subject: Re: HACCS add on for Neustar

>Thanks Manos.

>Hi Michael. Are you available for a call to discuss this on Monday?

>Please send a couple of times that work for you.

>Thanks in advance,

>John W Hall

>Neustar, Inc. / Sr. Director - Federal Business  
>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

---

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---

>  
>  
>On 5/17/18, 8:45 PM, "Antonakakis, Manos" <manos@gatech.edu> wrote:  
>  
>>Michael, please work with John to make sure that Neustar gets the add  
>>on that we discussed.  
>>  
>>John, Michael will be working with Allison (from DARPA) to make  
>>everything happen for Neustar. Michael will also navigate the internal  
>>GT process on your behalf. Please work with him, as he needs more  
>>information from you. Please, follow Michael's lead.  
>>  
>>Rodney, GT is closing the fiscal year. This will have to wait until the  
>>new fiscal year kicks in (Michael, is this June or July 1st?).  
>>  
>>Thanks,  
>>  
>><  
>>Manos Antonakakis | manos@gatech.edu  
>>Georgia Institute of Technology  
>>FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>  
>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Monday, July 23, 2018 8:28:51 PM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>; Hall, John<John.Hall@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: HACCS program updates

Michael, many thanks for the update. Per our discussion, I would like to be CCed on all further communications you have with Neustar about both EA or HACCS issues. I would suggest you include Rodney on these emails too.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Mitchell, Michael F  
Sent: Monday, July 23, 2018 2:49:32 PM  
To: Hall, John  
Cc: Antonakakis, Manos  
Subject: HACCS program updates

Hey John,

I just got off the phone with Dan Sibley, who is the contracting contact for Georgia Tech in charge of the HACCS program. I have briefed him on the situation and how time sensitive it is and the difficulties involved for everyone. He has agreed to push the addendum in front of his leadership team to try and accelerate the negotiations between GT and DARPA. I have requested that he update me as quickly as possible on this, and I in turn will update you as things happen.

My apologies for the confusion on this. I hope to have some additional information for you shortly.

Thanks!

Michael Mitchell

Research Operations Program Manager  
GEORGIA Institute  
of TECH nology  
School of Electrical and Computer Engineering  
777 Atlantic Drive NW  
Atlanta, GA 30332-0765  
Phone: 404-385-8122

**From:** Antonakakis, Manos<manos@gatech.edu>  
**Sent on:** Wednesday, July 31, 2019 1:17:13 AM  
**To:** Rodney Joffe<rjoffe@packetforensics.com>; Lily Kim<Lily.Kim@microsoft.com>  
**CC:** Kirk McConnell<Kirk\_McConnell@armed-services.senate.gov>; Victor Oppleman<victor@packetforensics.com>; Ashfia Rahman<asrahma@microsoft.com>; Christian Cook<Christian.Cook@microsoft.com>; Lisa Patel<lpatel@centergate.com>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: introduction

Kirk, thanks for the intros.

Lily, pleased to meet you!

This Friday works for me. The week after the next I will be hosting a hackathon at GT for DARPA, so my schedule will be less flexible. If you come up with a date, I will try to make it work but I cannot promise that I will be able to.

Many thanks,

--

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



**From:** Antonakakis, Manos<manos@gatech.edu>

**Sent on:** Friday, August 2, 2019 4:42:00 PM

**To:** Ashfia Rahman<asrahma@microsoft.com>; Rodney Joffe<rjoffe@packetforensics.com>; William Chappell<William.Chappell@microsoft.com>

**CC:** Victor Oppleman<victor@packetforensics.com>; Christian Cook<Christian.Cook@microsoft.com>; Lisa Patel<lpatel@centergate.com>

**BCC:** Antonakakis, Manos<manos@gatech.edu>

**Subject:** Re: introduction

On Fri, 2019-08-02 at 16:35 +0000, Ashfia Rahman wrote:

> I can make 4pm work. Will it work for you @Manos Antonakakis ?

Both slots work for me, yes.

--

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**From:** NANOG<nanog-bounces@nanog.org> on behalf of Suzanne Woolf<suzworldwide@gmail.com>  
**Sent on:** Tuesday, October 16, 2018 2:11:25 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**CC:** NANOG<nanog@nanog.org>  
**Subject:** Re: It's been 20 years today (Oct 16, UTC). Hard to believe.

> On Oct 15, 2018, at 10:00 PM, Rodney Joffe <rjoffe@centergate.com> wrote:

>

> At NANOG two weeks ago, we had an interesting discussion at one of the lunch tables. One of the subjects we discussed was the original IANA, and RFC Editor, Jon Postel.

>

> Seven of the ten people at the table had never heard of him. Maybe these days it no longer matters who he was, and what he meant to where we are today.

>

> <Sigh>

>

> For those who care about the history of the Internet, and routing and addressing. And protocols...

And the principles that make it “the Internet”, not just “some internets.”

>

> <https://tools.ietf.org/html/rfc2468>

>

Suzanne

Sent: Tuesday, June 7, 2016 10:23:14 AM

To: Antonakakis, Emmanouil K; Roberts, Kristen N;

From: Joffe, Rodney, Kristen N <kristen.roberts@ece.gatech.edu> on behalf of Roberts, Kristen N

Subject: Re: Letter re: Darpa bid  
Sent on: Tuesday, June 7, 2016 2:27:37 PM

To: Hayman, Denise <Denise.Hayman@neustar.biz>; Antonakakis, Emmanouil K <manos@gatech.edu>

CC: Joffe, Rodney <Rodney.Joffe@neustar.biz>

Subject: Re: Letter re: Darpa bid

Hi Manos - I'm traveling in the Uk - sorry for the delay

Here you go. Two formats I can't get the .pdf one too look right so sending you both so you have them

Denise Hayman

Neustar, Inc. / VP Global Security Sales

Office: 415.590.4618 / Mobile: 415.214.5088

denise.hayman@neustar.biz / [HYPERLINK "http://www.neustar.biz" www.neustar.biz](http://www.neustar.biz)

<applewebdata://BE8398A2-2BCB-4EC0-9CC7-195CDDBAABBBD/www.neustar.biz>

Twitter: @ <[HYPERLINK "https://twitter.com/lisajoyrosner" https://twitter.com/lisajoyrosner](https://twitter.com/lisajoyrosner)>denisedeshayman/ LinkedIn:

[HYPERLINK "https://www.linkedin.com/in/denisehayman" https://www.linkedin.com/in/denisehayman](https://www.linkedin.com/in/denisehayman)

On 6/6/16, 7:35 PM, [REDACTED] on behalf of Manos Antonakakis"

[REDACTED] on behalf of manos@gatech.edu> wrote:

>Hey Denise,

>

>We got a push back on the format of your quote. Can you please make

>sure you quote is visible in a single page? Please send this to

>Kristen directly, as we are running out of time.

>

>Also, please make sure that the quote date is valid until the "start

>date" of our project (hopefully we get awarded). That date is,

>11/30/2016.

>

>Many thanks,

>

>Manos

>

>On Thu, Jun 2, 2016 at 12:27 PM, Hayman, Denise

><Denise.Hayman@neustar.biz> wrote:

>> Hi Manos - please find the attached letter in regards to our

>>Darpa/Neustar

>> bid

>>

>>

>>

>>

>> Denise Hayman

>>

>> Neustar, Inc. / VP Global Security Sales

>> Office: 415.590.4618 / Mobile: 415.214.5088

>>

>> denise.hayman@neustar.biz / [HYPERLINK "http://www.neustar.biz" www.neustar.biz](http://www.neustar.biz)

>>

>> Twitter: @denisedeshayman/ LinkedIn:

>>

>> [HYPERLINK "https://urldefense.proofpoint.com/v2/url?u=https-3A\\_www.linkedin.com in "](https://urldefense.proofpoint.com/v2/url?u=https-3A_www.linkedin.com_in_)

[https://urldefense.proofpoint.com/v2/url?u=https-3A\\_www.linkedin.com in](https://urldefense.proofpoint.com/v2/url?u=https-3A_www.linkedin.com_in_)

>>denisehayman&d=DQIFaQ&c=MOptNIVtIETeDALC\_IULrw&r=Ssky-JxSDKI4VwCXe5b2hufm

>>xpzETk3xniCgFiXJiyw&m=jcM2y4yvd80lsGfCwAs6NC9C1J5gqvcjxeQxlm8CDkE&s=k3dZJ

>>9ZUo-BbCf7MSf3I7eyKHjyltDRCqSks6PDgu0&e=

>>

>>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, May 1, 2018 2:19:28 PM  
**To:** Chung, Diana (contr-i2o)<diana.chung.ctr@darpa.mil>  
**Subject:** Re: Need CV ASAP by 1pm EST  
**Attachments:** ManosAntonakakis-CV-050118.pdf (113.21 KB)

Hey Diana, please let me know if the attached will suffice.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Chung, Diana (contr-i2o) <diana.chung.ctr@darpa.mil>  
Sent: Tuesday, May 1, 2018 8:46:15 AM  
To: Antonakakis, Manos  
Subject: Re: Need CV ASAP by 1pm EST

Thanks!

Diana

> On May 1, 2018, at 8:45 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Yes, Diana. I will send you my CV the moment I am done driving into Georgia Tech.

>

> Many thanks for nominating me :)

>

> ---

> Typos due to mobile device ...

>

>> On May 1, 2018, at 08:42, Chung, Diana (contr-i2o) <diana.chung.ctr@darpa.mil> wrote:

>>

>> Hi!

>>

>> JMS wanted to nominate you for the DARPA risers but he did not forward me your updated CV and full contact info (name, email, address, phone number).

>>

>> Can you get that to me by 1pm today? Your package is incomplete if I don't have that information!

>>

>> Thanks,

>> Diana

>>

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, February 12, 2019 4:10:03 AM  
**To:** Rodney Joffe<rodney.joffe@team.neustar>; Christopher Schneck<christopher.schneck.ctr@darpa.mil>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: Neustar Executive Visit to PI meeting March 8th

Thanks you Rodney for the email.

For you guys to attend the site visit I will need to get the green light from Chris. Chris, can you please check and let us know if you have any issues with this?

Thanks, Manos

---

Typos due to mobile device ...

> On Feb 11, 2019, at 21:06, Rodney Joffe <rodney.joffe@team.neustar> wrote:

>

> Hello Manos,

>

> As you know Neustar has been very involved in developing and improving our ability to provide capabilities and resources for you based on the apparent success of your EA and HACCS programs, using our data.

>

> As a result, I wonder if it would be possible for me, our CEO Charlie Gottdiener, Venkat Achanta, our Chief Data Officer, and Adm. (Ret) Mike Mullen (past Chairman of the Joint Chiefs) who is a board director of our data subsidiary to visit you during the PI day on March 8th?

>

> I think it would be extremely beneficial for my colleagues to see and understand the impact of our efforts, and to realize just how much of a difference we can make to the country's National Security efforts through GA Tech.

>

> They all obviously understand the sensitivity of the PI briefing and meeting, and would respect and sign whatever attendee documents are required of other sub-contractors on your program.

>

> Respectfully

>

> Rodney

>

> =====

> Rodney Joffe

> SVP, Senior Technologist, and Fellow

> National Security Executive

> Neustar, Inc.

> 21575 Ridgetop Circle

> Sterling VA 20166

> USA

> +1 202-533-2900 Direct

> +1 602-418-6471 Cell

> rodney.joffe@team.neustar

>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Tuesday, May 29, 2018 4:25:50 PM  
**To:** Pearson, Christina T<christina.pearson@dev.gatech.edu>  
**CC:** Corcoran, Sean<sean.corcoran@team.neustar>; Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: Neustar update & visit to Atlanta (and campus) next week

Many thanks Christina.

Sean, very pleased to meet you! Rodney is very much aware of my tremendously hectic schedule next week. I would love to meet you, but I will be hosting a very big and important event (that actually directly impacts Neustar in major ways) and my time is almost non excitant during normal hours.

Rodney, I can make myself available for dinner, if that works for you and Sean. I would like to hear more about the "Neustar Labs" idea --- sounds really intriguing. :)

Many thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Pearson, Christina T  
Sent: Tuesday, May 29, 2018 12:11:44 PM  
To: Antonakakis, Manos  
Cc: Corcoran, Sean  
Subject: Neustar update & visit to Atlanta (and campus) next week

Hi Manos,

Sean Corcoran, VP of Corporate Development at Neustar (and GT alumnus – also cc'd above), reached out to me requesting to set up a few meetings on campus next week between June 4th-7th. Neuster will have several executives in town and because they are extremely pleased with the work that your lab has done, they wish to explore more ways that Neustar could expand their presence across the GT campus. (see list below)

They will also be reaching out to you directly to schedule some time for these Neustar executives to meet with your team, but they will not necessarily attach this to their visit to campus. Stay tuned for an email from Rodney or Sean.

Just wanted to give you a quick heads up....and feel free to reach back out with any questions.

Thanks,  
Christina

Neustar visitors:  
Venkat Achanta, Chief Data and Analytics Officer  
Rodney Joffe, SVP and Neustar Fellow  
Sean Corcoran, VP of Corporate Development

Areas of interest across campus (3 hours):

(1) Intro to new ECE Chair – Magnus Egerstedt

(2) “Neustar Labs” – possibly establishing an Innovation Lab on/near campus – Greg King

(3) VentureLab – meet/greet and short tour – would like to possibly leverage GT technologies/companies going forward – individual TBD (Keith McGreggor, or other?)

Christina T. Pearson  
Director of Corporate Relations  
Georgia Institute of Technology  
Office of Development  
Atlanta, GA 30332-0220

Phone: 404.894.6007  
cpearson@gatech.edu



**From:** Rodney Joffe<rodney.joffe@neustar.biz>  
**Sent on:** Tuesday, September 20, 2016 9:27:20 PM  
**To:** Noland, Yvonne<yvonne.noland@ohr.gatech.edu>  
**CC:** Cameron, Yolonda L<yolonda.cameron@legal.gatech.edu>; Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Many thanks, Yvonne.

> On Sep 20, 2016, at 3:48 PM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:

>

> Hi Rodney,

>

> Attached please find the fully executed NDA.

>

> Thank you,

>

> Yvonne Noland

> Legal Services Coordinator

> Georgia Institute of Technology

> Office of Legal Affairs

> Atlanta, GA 30332-0495

> Email: Yvonne.Noland@legal.gatech.edu

> Phone: 404-894-4812

> Fax: 404-894-3120

>

>

> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

>

>

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Thursday, September 08, 2016 12:29 PM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Almost there :-)

>

>

> Begin forwarded message:

>

> From: Contracts <Contracts@neustar.biz>

> Date: September 8, 2016 at 12:26:19 PM EDT

> To: "Joffe, Rodney" <Rodney.Joffe@neustar.biz>, Contracts <Contracts@neustar.biz>

> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Attached is the partially executed NDA for The Board of Regents of University System of Georgia, by and behalf of Georgia Institute of Tehnology. Once it has been countersigned, please forward a fully executed copy to Contracts for our files.

>

> Thanks,

> Samantha

> -----Original Message-----

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Wednesday, September 07, 2016 9:01 PM

> To: Contracts <Contracts@neustar.biz>

> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>  
> Over to you to execute.  
>  
> Thanks  
> Rodney  
>  
>  
>  
> Begin forwarded message:  
>  
> From: "Noland, Yvonne" <yvonne.noland@legal.gatech.edu>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
> Date: September 7, 2016 at 10:41:46 AM EDT  
> To: Rodney Joffe <rodney.joffe@neustar.biz>  
> Cc: "Antonakakis, Emmanouil K" <manos@gatech.edu>, "Cameron, Yolonda L"  
> <yolonda.cameron@legal.gatech.edu>  
> Resent-From: <rodney.joffe@neustar.biz>  
>  
> Hi Rodney,  
>  
> Attached is a final document for signature, reflecting the change from 14 to 20 days in Section 3. Please return a signed copy to me at your earliest convenience. I will route for countersignature and return a fully executed copy to you.  
>  
> Thank you,  
> Yvonne  
>  
> -----Original Message-----  
> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
> Sent: Wednesday, September 07, 2016 10:17 AM  
> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
>  
> Hi Yvonne,  
>  
> OK on these points. Do you have a final for us to sign?  
>  
> On Sep 6, 2016, at 2:28 PM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:  
>  
> Hi Rodney,  
>  
> I've updated the effective date of the document and accepted all mutually agreed upon edits in the attached document.  
>  
> The GIT signatory will not agree to the requested revisions in Section 3. All information disclosed to GIT must be marked in accordance with the original language in Section 3, but we can agree to extend the 14-day period for non-written disclosures to 20 days.  
>  
> Sincerely,  
>  
> Yvonne Noland  
> Legal Services Coordinator  
> Georgia Institute of Technology  
> Office of Legal Affairs  
> Atlanta, GA 30332-0495  
> Email: Yvonne.Noland@legal.gatech.edu  
> Phone: 404-894-4812  
> Fax: 404-894-3120  
>  
>  
> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any

response to it may be subject to public disclosure.

>  
>  
> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
> Sent: Tuesday, September 06, 2016 11:20 AM  
> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

> Hi Yvonne,

> This is the correct email.

> Apparently all edits are OK except for the comments below. Could you please confirm?

> Thanks

> Rodney

> =====  
> Rodney Joffe  
> SVP, Senior Technologist, and Fellow  
> Neustar, Inc. (NYSE:NSR)  
> 1775 Pennsylvania Ave. NW  
> Suite 400  
> Washington DC 20006  
> +1 202-533-2900 Direct  
> +1 602-418-6471 Cell

> From: Contracts

> Sent: Tuesday, September 06, 2016 11:06 AM  
> To: Joffe, Rodney <Rodney.Joffe@neustar.biz>; Contracts <Contracts@neustar.biz>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

> Hi Rodney,

> All the counter-edits are acceptable with the exception of the Confidential Information marking.

> Through discussions or written information disclosed, it would be somewhat difficult to have to “mark” all proprietary/confidential information as “Confidential”. In the event that there are times that such information is not marked or otherwise indicated verbally during ongoing communication, we want to ensure that, although not marked as “Confidential”, that it is protected under the NA,

> Samantha Ellis  
> NeuStar, Inc. | Contracts Manager  
> 571.434.3421

> From: Noland, Yvonne [mailto:yvonne.noland@legal.gatech.edu]  
> Sent: Tuesday, September 06, 2016 10:14 AM  
> To: Joffe, Rodney <Rodney.Joffe@neustar.biz>; Contracts <Contracts@neustar.biz>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

> Good morning – please advise regarding the status of this matter at your earliest convenience. Thank you.

> From: Noland, Yvonne

> Sent: Thursday, August 04, 2016 12:38 PM

> To: 'Rodney Joffe' <rodney.joffe@neustar.biz>; 'Contracts@neustar.biz' <Contracts@neustar.biz>

> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>

> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Hi Rodney,

>

> Attached please find our additional comments and revisions for review by your legal department.

>

> Regards,

>

> Yvonne Noland

> Legal Services Coordinator

> Georgia Institute of Technology

> Office of Legal Affairs

> Atlanta, GA 30332-0495

> Email: Yvonne.Noland@legal.gatech.edu

> Phone: 404-894-4812

> Fax: 404-894-3120

>

>

> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

>

>

>

>

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Wednesday, August 03, 2016 12:52 PM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>

> Subject: Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Hello Yvonne,

>

>

> Thanks... I am attaching a marked up version of the NDA from our legal group... Hopefully this is acceptable.

>

>

> Regards

> Rodney

>

>

>

>

>

>

>

> On Aug 3, 2016, at 7:30 AM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:

>

> Good morning,

>

> Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

>

> As such, I have prepared and attached Georgia Tech's standard unilateral Proprietary Information Agreement for consideration by your contracts/legal department. If the document is satisfactory, please have it executed and return it to me. I will then have the document countersigned and return a copy to you for your files. If you would like to request any changes to the agreement, please utilize the "track changes" feature and return the edited version to me.

>

> Sincerely,

>  
> Yvonne Noland  
> Legal Services Coordinator  
> Georgia Institute of Technology  
> Office of Legal Affairs  
> Atlanta, GA 30332-0495  
> Email: Yvonne.Noland@legal.gatech.edu  
> Phone: 404-894-4812  
> Fax: 404-894-3120

>  
>  
> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

>  
>  
> <Neustar Inc. (NDA-4406).docx>  
> <Neustar Inc. - GT review 9-6-16 (NDA-4406).docx>  
>  
> <Neustar, Inc. (NDA-4406).pdf>

Microsoft Exchange Server;converted from html;

**From:** Noland, Yvonne<fvirgil6@gatech.edu> on behalf of Noland, Yvonne  
**Sent on:** Wednesday, August 3, 2016 5:16:25 PM  
**To:** Rodney Joffe<rodney.joffe@neustar.biz>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

[Worked that time – thank you very much](#)

---

**From:** Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
**Sent:** Wednesday, August 03, 2016 1:13 PM  
**To:** Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
**Subject:** Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Yvonne,

Does this work?

The email below also includes our legal group contract info.

Thanks

Rodney

Begin forwarded message:

**From:** Contracts <[HYPERLINK "mailto:Contracts@neustar.biz" Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Date:** August 3, 2016 at 9:38:02 AM PDT  
**To:** "Joffe, Rodney" <[HYPERLINK "mailto:Rodney.Joffe@neustar.biz" Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>  
**Cc:** "Konde, Alex" <[HYPERLINK "mailto:alex.konde@neustar.biz" alex.konde@neustar.biz](mailto:alex.konde@neustar.biz)>, Contracts <[HYPERLINK "mailto:Contracts@neustar.biz" Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Rodney,

Legal has reviewed the attached and have made a few edits. Please let me know if you have any questions or concerns.

Regards,

Samantha

**Samantha Ellis**

**NeuStar, Inc.** | Contracts Manager

571.434.3421

---

**Resent-From:** <[HYPERLINK "mailto:rodney.joffe@neustar.biz" rodney.joffe@neustar.biz](mailto:rodney.joffe@neustar.biz)>  
**From:** "Noland, Yvonne" <[HYPERLINK "mailto:yvonne.noland@legal.gatech.edu" yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)>  
**Date:** August 3, 2016 at 7:30:34 AM PDT  
**To:** "[HYPERLINK "mailto:Rodney.Joffe@neustar.biz" Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)" <[HYPERLINK "mailto:Rodney.Joffe@neustar.biz" Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>  
**Cc:** "Antonakakis, Emmanouil K" <[HYPERLINK "mailto:manos@gatech.edu" manos@gatech.edu](mailto:manos@gatech.edu)>, "Cameron, Yolonda L" <[HYPERLINK "mailto:yolonda.cameron@legal.gatech.edu" yolonda.cameron@legal.gatech.edu](mailto:yolonda.cameron@legal.gatech.edu)>  
**Subject:** PIA - Neustar Inc./Georgia Tech (NDA-4406)

Good morning,

Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information.

However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

As such, I have prepared and attached Georgia Tech's standard unilateral Proprietary Information Agreement for consideration by your contracts/legal

department. If the document is satisfactory, please have it executed and return it to me. I will then have the document countersigned and return a copy to you for your files. If you would like to request any changes to the agreement, please utilize the "track changes" feature and return the edited version to me.

Sincerely,

**Yvonne Noland**

Legal Services Coordinator

Georgia Institute of Technology

Office of Legal Affairs

Atlanta, GA 30332-0495

Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)

Phone: 404-894-4812

Fax: 404-894-3120

Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

**From:** NANOG<nanog-bounces+cas.dangelo=oit.gatech.edu@nanog.org> on behalf of Melchior Aelmans<melchior@aelmans.eu>  
**Sent on:** Friday, October 16, 2020 7:22:00 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**CC:** NANOG<nanog@nanog.org>  
**Subject:** Re: RFC 2468

Microsoft Exchange Server;converted from html;  
Thanks for sharing Rodney!  
Regards,  
Melchior

On Fri, Oct 16, 2020 at 6:05 AM Rodney Joffe <[HYPERLINK "mailto:rjoffe@centergate.com" rjoffe@centergate.com](mailto:rjoffe@centergate.com)> wrote:

It is especially fitting whenever the NANOG/ARIN joint meetings occur in the same week that we "remember IANA".

As time has gone on, fewer and fewer of us actually know who J. Postel is - that name that appears at the end of so many RFC's we refer to every day. The same person who also guided the management of names and numbers in the "early" days of this grand experiment we're still struggling to get "right".

Today (Friday, October 16) is 22 years since Jon Postel passed away. I won't start to list the rest of the pioneers we've lost since then - its obviously getting longer and longer. But I think its worth pointing "newcomers" at Vint's RFC2468 ([HYPERLINK "https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftools.ietf.org%2Frfc%2Frfc2468.txt&da https://tools.ietf.org/rfc/rfc2468.txt"](https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftools.ietf.org%2Frfc%2Frfc2468.txt&da)) as the starting point for them (you) to understand the importance of Jon's legacy as a moral compass to help guide some of the decisions being made or ignored during this week. And obviously other weeks and decisions that follow.

Jon was my mentor, colleague, business partner, and friend. And along with his other friends still on this list, I miss him a lot. It hasn't been the same without him.

/rlj



Microsoft Exchange Server;converted from html;

**From:** Allen, Lucretia <lucretia.allen@ece.gatech.edu> on behalf of Allen, Lucretia  
**Sent on:** Friday, July 27, 2018 6:28:21 PM

**To:** Antonakakis, Manos <manos@gatech.edu>

**CC:** Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>

**Subject:** RE: RPT CV Corrections: Antonakakis

**Attachments:** 14 CV - Antonakakis.pdf (196.94 KB), 16 Statement of Completeness.pdf (51.96 KB)

Hi Manos,

I have attached your original CV for correcting. Also, can you provide a clean Statement of Completeness? The one attached is hard to read. Terri said you can electronically sign the

form.

The date on your Statement of Completeness should have the same date as on your CV, which is June 15, 2018 so please update the Statement of Completeness with the appropriate date

before you send back.

Let me know if you have any questions.

Thanks,

*Lucretia*



Just smile, it's all good!

**From:** Allen, Lucretia

**Sent:** Friday, July 27, 2018 2:10 PM

**To:** Antonakakis, Manos <manos@gatech.edu>

**CC:** Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>

**Subject:** RPT CV Corrections: Antonakakis

Hello Professor,

Terri Lee from the Deans Office has reviewed your resume for proper formatting and posted a few comments on the CV that need correcting.

Please review and correct the items highlighted and send back to me.

Thanks,

*Lucretia*



Just smile, it's all good!

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Saturday, July 28, 2018 2:22:42 PM  
**To:** Allen, Lucretia<lucretia.allen@ece.gatech.edu>  
**CC:** Blough, Douglas M<doug.blough@ece.gatech.edu>  
**Subject:** Re: RPT CV Corrections: Antonakakis  
**Attachments:** image004.jpg (1.17 KB), image002.jpg (1.17 KB), Statement\_of\_Completeness.pdf (118.21 KB), ManosAntonakakis\_cv.pdf (197.8 KB)

Hey Lucretia,

Please find attached the two revised documents. A couple of clarifications regarding the comments I received from the Dean's office.

First, on the pending journals. I have none, simply because they have no impact to my community. So the NO DATA statement is correct.

Second, on the point about describing my talks, I will have to include abstracts to make the talk descriptions meaningful. That sounds like something that would make the CV unreadable, and in all honesty, I might not have all these abstracts in my records anymore. I decided to not do this because this is a non-trivial task.

Please let me know if you need anything more from my side.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Allen, Lucretia  
Sent: Friday, July 27, 2018 2:28:21 PM  
To: Antonakakis, Manos  
Cc: Blough, Douglas M; Allen, Lucretia  
Subject: RE: RPT CV Corrections: Antonakakis

Hi Manos,

I have attached your original CV for correcting. Also, can you provide a clean Statement of Completeness? The one attached is hard to read. Terri said you can electronically sign the form. The date on your Statement of Completeness should have the same date as on your CV, which is June 15, 2018 so please update the Statement of Completeness with the appropriate date before you send back.

Let me know if you have any questions.

Thanks,  
Lucretia

[Image result for sunshine smile]  
Just smile, it's all good!

---

From: Allen, Lucretia  
Sent: Friday, July 27, 2018 2:10 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>  
Subject: RPT CV Corrections: Antonakakis

Hello Professor,

Terri Lee from the Deans Office has reviewed your resume for proper formatting and posted a few comments on the CV that need correcting.

Please review and correct the items highlighted and send back to me.

Thanks,

Lucretia

[Image result for sunshine smile]

Just smile, it's all good!

**From:** Allen, Lucretia<lucretia.allen@ece.gatech.edu> on behalf of Allen, Lucretia  
**Sent on:** Wednesday, August 1, 2018 2:36:11 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**CC:** Blough, Douglas M<doug.blough@ece.gatech.edu>  
**Subject:** RE: RPT CV Corrections: Antonakakis  
**Attachments:** ManosAntonakakis\_cv.pdf (197.8 KB), Statement\_of\_Completeness.pdf (118.21 KB)

Hi Manos,

Thanks for the corrections.  
Does your Statement of Completeness read 6/17?  
If so, can you change it 6/15 to match your CV date?

Thanks,  
Lucretia

Just smile, it's all good!

-----Original Message-----

From: Antonakakis, Manos  
Sent: Saturday, July 28, 2018 10:23 AM  
To: Allen, Lucretia <lucretia.allen@ece.gatech.edu>  
Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>  
Subject: Re: RPT CV Corrections: Antonakakis

Hey Lucretia,

Please find attached the two revised documents. A couple of clarifications regarding the comments I received from the Dean's office.

First, on the pending journals. I have none, simply because they have no impact to my community. So the NO DATA statement is correct.

Second, on the point about describing my talks, I will have to include abstracts to make the talk descriptions meaningful. That sounds like something that would make the CV unreadable, and in all honesty, I might not have all these abstracts in my records anymore. I decided to not do this because this is a non-trivial task.

Please let me know if you need anything more from my side.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Allen, Lucretia  
Sent: Friday, July 27, 2018 2:28:21 PM  
To: Antonakakis, Manos  
Cc: Blough, Douglas M; Allen, Lucretia  
Subject: RE: RPT CV Corrections: Antonakakis

Hi Manos,

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The date on your Statement of Completeness should have the same date as on your CV, which is June 15, 2018 so please

update the Statement of Completeness with the appropriate date before you send back.

Let me know if you have any questions.

Thanks,  
Lucretia

[Image result for sunshine smile]  
Just smile, it's all good!

From: Allen, Lucretia  
Sent: Friday, July 27, 2018 2:10 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Cc: Blough, Douglas M <doug.blough@ece.gatech.edu>; Allen, Lucretia <lucretia.allen@ece.gatech.edu>  
Subject: RPT CV Corrections: Antonakakis

Hello Professor,

Terri Lee from the Deans Office has reviewed your resume for proper formatting and posted a few comments on the CV that need correcting.  
Please review and correct the items highlighted and send back to me.

Thanks,  
Lucretia  
[Image result for sunshine smile]

Just smile, it's all good!

**From:** Rodney Joffe<rjoffe@centergate.com>  
**Sent on:** Thursday, September 8, 2016 1:00:19 AM  
**To:** Kountouras, Athanasios<kountouras@gatech.edu>  
**CC:** Manos Antonakakis<antonakakis@gmail.com>  
**Subject:** Re: Submission of Active DNS RAID paper to student competition conference

Hello Thanos

Happy for you to do whatever you want related to this :-)

You have my approval.

Thanks  
Rodney

> On Sep 6, 2016, at 3:26 PM, Athanasios Kountouras <kountouras@gatech.edu> wrote:

>

> Hello Rodney,

>

> I would like to let you know that I am planning to submit the Active DNS paper to a student competition focused on cyber security awareness.

> You can find out more about the event here: <https://csaw.engineering.nyu.edu>

> More about the published work competition here: <https://csaw.engineering.nyu.edu/research>

>

> Since you are one of the authors I would like to know if submitting the paper there, would be ok with you as your name will also be in the paper.

>

> We will submit the exact same version that was submitted to RAID.

> The event is mostly about awareness and promotion of student publications in the cyber security space, and it is only accepting already published papers. That's why we will be submitting the same version that was accepted to RAID 2016.

> I would like to thank you again about your contribution to the paper and your collaboration. It has been very valuable to me as a new student.

>

> Thanos

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, September 7, 2018 2:57:24 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Re: Touch base

You assume too much. That is not true. I was planning to tell him about the proposal.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Thursday, September 6, 2018 10:56:14 PM  
To: Antonakakis, Manos  
Subject: Re: Touch base

Then why did you invite him to call for unofficial news? That implies you have something different to Angelos. You will regret it because now he will start in on you again... and keep pushing. And you invited it ☐☐

> On Sep 6, 2018, at 10:52 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> I was not planing to, because that is the only hard facts I have.

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

> From: Rodney Joffe <rjoffe@centergate.com>  
> Sent: Thursday, September 6, 2018 10:50:48 PM  
> To: Antonakakis, Manos  
> Subject: Re: Touch base

> DONT TELL HIM ANYTHING DIFFERENT TO ANGELOS After Oct 1 new fiscal year.

>> On Sep 6, 2018, at 10:35 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>> Venkat, nothing official at the moment. We are in waiting mode. If you want some unofficial news, you can give me a quick call.

>> Thanks,

---

>> Manos Antonakakis | manos@gatech.edu  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

>> From: Achanta, Venkat <Venkat.Achanta@team.neustar>  
>> Sent: Thursday, September 6, 2018 10:30:34 PM  
>> To: Antonakakis, Manos  
>> Cc: Joffe, Rodney  
>> Subject: Touch base

>>

>> Manos,

>>

>> Do you have any other information from DARPA program managers chasing possible path for this fiscal funding ?

>>

>> Thank you.

>>

>> Venkat.

>



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, September 7, 2018 2:52:58 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Re: Touch base

I was not planing to, because that is the only hard facts I have.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Thursday, September 6, 2018 10:50:48 PM  
To: Antonakakis, Manos  
Subject: Re: Touch base

DONT TELL HIM ANYTHING DIFFERENT TO ANGELOS After Oct 1 new fiscal year.

> On Sep 6, 2018, at 10:35 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Venkat, nothing official at the moment. We are in waiting mode. If you want some unofficial news, you can give me a quick call.

>  
> Thanks,

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> 

---

  
> From: Achanta, Venkat <Venkat.Achanta@team.neustar>  
> Sent: Thursday, September 6, 2018 10:30:34 PM  
> To: Antonakakis, Manos  
> Cc: Joffe, Rodney  
> Subject: Touch base

>  
> Manos,  
>  
> Do you have any other information from DARPA program managers chasing possible path for this fiscal funding ?

>  
> Thank you.

>  
> Venkat.

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, September 7, 2018 2:35:31 AM  
**To:** Achanta, Venkat<Venkat.Achanta@team.neustar>  
**CC:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: Touch base

Venkat, nothing official at the moment. We are in waiting mode. If you want some unofficial news, you can give me a quick call.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Achanta, Venkat <Venkat.Achanta@team.neustar>  
Sent: Thursday, September 6, 2018 10:30:34 PM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney  
Subject: Touch base

Manos,

Do you have any other information from DARPA program managers chasing possible path for this fiscal funding ?

Thank you.

Venkat.

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, September 7, 2018 3:00:38 AM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Re: Touch base

You're right, Rodkneeee

:)

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Thursday, September 6, 2018 10:59:43 PM  
To: Antonakakis, Manos  
Subject: Re: Touch base

Manos my friend, that doesn't relate to what he asked you. And he knows the proposal update from John.

Just say "you're right, Rodkneeee". ☐☐

> On Sep 6, 2018, at 10:57 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> You assume too much. That is not true. I was planning to tell him about the proposal.

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> 

---

> From: Rodney Joffe <rjoffe@centergate.com>  
> Sent: Thursday, September 6, 2018 10:56:14 PM  
> To: Antonakakis, Manos  
> Subject: Re: Touch base

>  
> Then why did you invite him to call for unofficial news? That implies you have something different to Angelos. You will regret it because now he will start in on you again... and keep pushing. And you invited it ☐☐

>  
>> On Sep 6, 2018, at 10:52 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>>  
>> I was not planing to, because that is the only hard facts I have.

>>  
>> —  
>> Manos Antonakakis | manos@gatech.edu  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>  
>>  
>> 

---

>> From: Rodney Joffe <rjoffe@centergate.com>  
>> Sent: Thursday, September 6, 2018 10:50:48 PM  
>> To: Antonakakis, Manos  
>> Subject: Re: Touch base

>>

>> DONT TELL HIM ANYTHING DIFFERENT TO ANGELOS After Oct 1 new fiscal year.

>>

>>> On Sep 6, 2018, at 10:35 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>>>

>>> Venkat, nothing official at the moment. We are in waiting mode. If you want some unofficial news, you can give me a quick call.

>>>

>>> Thanks,

>>>

>>> —

>>> Manos Antonakakis | manos@gatech.edu

>>> Georgia Institute of Technology

>>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>>

>>>

>>>

---

>>> From: Achanta, Venkat <Venkat.Achanta@team.neustar>

>>> Sent: Thursday, September 6, 2018 10:30:34 PM

>>> To: Antonakakis, Manos

>>> Cc: Joffe, Rodney

>>> Subject: Touch base

>>>

>>> Manos,

>>>

>>> Do you have any other information from DARPA program managers chasing possible path for this fiscal funding ?

>>>

>>> Thank you.

>>>

>>> Venkat.

>>

>

**From:** Victor Oppleman<victor@packetforensics.com>  
**Sent on:** Friday, July 12, 2019 11:55:29 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**CC:** Rory Yegerman<rory@packetforensics.com>; Courtney Yegerman<courtney@packetforensics.com>; Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Re: Workshop Detail

Manos,

This week was a success because of you. The entire EA team clearly looks up to their "professor" and you continue to deliver.

But seriously, your Internet knowledge and many years of thinking about approaches to these problems has given you an advantage that shows through clearly. Despite his confidence, Ian sees it too and he seems to understand his predicament.

Thank you for your help (and continued efforts) with the other contractors. And thanks the most for giving us your time and being away from home for the hackathon, basically for our benefit, and hopefully for yours too.

Thanks again, we look forward to working with you more soon, and have a nice weekend,  
Vic

> On Jul 12, 2019, at 5:46 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Rory and Cortney, many thanks for exposing me to PF datasets I was not fully aware off. Flying back to Atlanta and my mind is spinning out of control due to multiple opportunities ahead of us.

>

> Vic and Rodney, the hackathon was such a success because of Rory's and Cortney's willingness to work with the EA performers. I feel lucky for you and PF having two such great assets in your team!

>

> Have a great weekend folks. Great things are ahead of us!

>

> ---

> Typos due to mobile device ...

>

**From:** Antonakakis, Manos<fvirgil6@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Friday, July 12, 2019 9:46:46 PM  
**To:** Rory<rory@packetforensics.com>; cortney@packetforensics.com  
**CC:** Rodney Joffe<rjoffe@centergate.com>; Victor Oppleman<victor@packetforensics.com>  
**BCC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: Workshop Detail

Rory and Cortney, many thanks for exposing me to PF datasets I was not fully aware off. Flying back to Atlanta and my mind is spinning out of control due to multiple opportunities ahead of us.

Vic and Rodney, the hackathon was such a success because of Rory's and Cortney's willingness to work with the EA performers. I feel lucky for you and PF having two such great assets in your team!

Have a great weekend folks. Great things are ahead of us!

---

Typos due to mobile device ...

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Wednesday, April 25, 2018 1:49:21 PM  
**To:** Rodney Joffe<rjoffe@centergate.com>  
**Subject:** Re: You still up?

Sorry, just saw the email. I am on a deadline for a few DARPA stuff.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Tuesday, April 24, 2018 11:25:31 PM  
To: Antonakakis, Manos  
Subject: You still up?

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Wednesday, October 23, 2019 4:14:49 AM  
**To:** Najmeh Miramirkhani<nmiramirkhani@cs.stonybrook.edu>  
**CC:** Nick Nikiforakis<nick@cs.stonybrook.edu>  
**Subject:** Re: Your signature on the prelim assessment form is required  
**Attachments:** ManosAntonakakis\_cv.pdf (182.7 KB), ForNajmeh.pdf (665.42 KB)

Najmeh, please find my CV and the signed form attached.

Unfortunately, something extremely important came up for one of my two big projects and I will have to be remote during your defense. Please, do not perceive my inability to physically attend your defense as lack of interest towards your work. On the contrary; I think you are one of the few researchers around the world that conducts research on DNS that I would care to read.

The reality is that when you run big projects very few decisions are easy.

Please let me know how I can join remotely. Thanks!

---

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Najmeh Miramirkhani <nmiramirkhani@cs.stonybrook.edu>  
Sent: Tuesday, October 22, 2019 5:17 PM  
To: Antonakakis, Manos  
Subject: Your signature on the prelim assessment form is required

Manos,

As part of the paperwork required for the defense, I need to send a copy of a prelim assessment form which is signed by the committee to the SBU Grad School.

Currently, this form is missing your signature. Would it be possible for you to print out the attached form, sign it and send me back a scanned copy of it?

I also need to send your CV, as the external member of the committee, to our department. So I am wondering if I can have your CV?

Thank you for all your help and support,  
Best regards,

--  
Najmeh Miramirkhani  
Ph.D. candidate, Stony Brook University | najmeh.org<<http://najmeh.org>>



**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Wednesday, October 23, 2019 3:53:48 PM  
**To:** Najmeh Miramirkhani<nmiramirkhani@cs.stonybrook.edu>  
**CC:** Nick Nikiforakis<nick@cs.stonybrook.edu>  
**Subject:** Re: Your signature on the prelim assessment form is required  
**Attachments:** cv-Antonakakis.pdf (87.05 KB)

Najmeh, please use the attached CV instead.

Thanks,

---

Manos Antonakakis | Associate Professor | manos@gatech.edu  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Najmeh Miramirkhani <nmiramirkhani@cs.stonybrook.edu>  
Sent: Wednesday, October 23, 2019 8:19 AM  
To: Antonakakis, Manos  
Cc: Nick Nikiforakis  
Subject: Re: Your signature on the prelim assessment form is required

Hi Manos,

Thanks for sending the signed form.

Your CV will be sent to our Graduate School together with other documents. As Nick said, a version that can be publicly available should be fine.

I totally understand that your schedule is tight. It is an honor for me to have you on my dissertation committee. I will send you a bluejeans link, the same as what we did for the prelim, to join the meeting remotely.

Best regards,

On Wed, Oct 23, 2019 at 12:34 AM Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:  
Ok, will do. Please do not use the one I sent you already.

Thanks, Manos

On Oct 23, 2019, at 00:29, Nick Nikiforakis <nick@cs.stonybrook.edu<mailto:nick@cs.stonybrook.edu>> wrote:

□  
Manos,

I am not sure where Najmeh needs to send your CV but just to be on the safe side, send us one that can be made publicly available when you get a chance.

Cheers,  
Nick

On Wed, Oct 23, 2019, 00:22 Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:  
One more key thing. This version of my CV \*cannot\* be in the public domain. If you need such a publicly distributable CV I will send it to you tomorrow.

Thanks, Manos

> On Oct 23, 2019, at 00:14, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:  
>

> □ Najmeh, please find my CV and the signed form attached.

>

> Unfortunately, something extremely important came up for one of my two big projects and I will have to be remote during your defense. Please, do not perceive my inability to physically attend your defense as lack of interest towards your work. On the contrary; I think you are one of the few researchers around the world that conducts research on DNS that I would care to read.

>

> The reality is that when you run big projects very few decisions are easy.

>

> Please let me know how I can join remotely. Thanks!

>

> —

> Manos Antonakakis | Associate Professor | [manos@gatech.edu](mailto:manos@gatech.edu)<<mailto:manos@gatech.edu>>

> School of Electrical and Computer Engineering

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

>

> From: Najmeh Miramirkhani <[nmiramirkhani@cs.stonybrook.edu](mailto:nmiramirkhani@cs.stonybrook.edu)<<mailto:nmiramirkhani@cs.stonybrook.edu>>>

> Sent: Tuesday, October 22, 2019 5:17 PM

> To: Antonakakis, Manos

> Subject: Your signature on the prelim assessment form is required

>

>

> Manos,

> As part of the paperwork required for the defense, I need to send a copy of a prelim assessment form which is signed by the committee to the SBU Grad School.

> Currently, this form is missing your signature. Would it be possible for you to print out the attached form, sign it and send me back a scanned copy of it?

> I also need to send your CV, as the external member of the committee, to our department. So I am wondering if I can have your CV?

>

> Thank you for all your help and support,

> Best regards,

>

> --

> Najmeh Miramirkhani

> Ph.D. candidate, Stony Brook University | [najmeh.org](http://najmeh.org)<<http://najmeh.org>><<http://najmeh.org>>

>

> <[ManosAntonakakis\\_cv.pdf](#)>

> <[ForNajmeh.pdf](#)>

--

Najmeh Miramirkhani

Ph.D. candidate, Stony Brook University | [najmeh.org](http://najmeh.org)<<http://najmeh.org>>

**From:** Antonakakis, Manos<manos@gatech.edu> on behalf of Antonakakis, Manos  
**Sent on:** Thursday, August 2, 2018 8:07:25 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>; Joffe, Rodney<Rodney.Joffe@team.neustar>  
**CC:** Keromytis, Angelos D CIV DARPA (US)<angelos.keromytis@darpa.mil>  
**Subject:** Regarding HACCS

Hey Lisa,

I would like to reiterate that I take full responsibility for the HACCS delay. The ECP (contract modification) between GT and DARPA takes time we are in the process of finalize this modification. At the same time, I would like to have Angelos relay the status of everything we are doing (HACCS and EA) in person --- especially if Charlie is available for a meeting. My understanding is that Angelos would be more than happy to swing by your offices.

Many thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

Microsoft Exchange Server;converted from html;

**From:** Allen, Lucretia<lucretia.allen@ece.gatech.edu> on behalf of Allen, Lucretia  
**Sent on:** Friday, July 27, 2018 6:10:17 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**CC:** Blough, Douglas M<doug.blough@ece.gatech.edu>; Allen, Lucretia<lucretia.allen@ece.gatech.edu>  
**Subject:** RPT CV Corrections: Antonakakis  
**Attachments:** 14 CV- Antonakakis-TL Comments.pdf (213.82 KB)

Hello Professor,

Terri Lee from the Deans Office has reviewed your resume for proper formatting and posted a few comments on the CV that need correcting.

Please review and correct the items highlighted and send back to me.

Thanks,  
*Lucretia*



Just smile, it's all good!

From: Manos Antonakakis <manos@gatech.edu>  
Sent on: Wednesday, August 29, 2018 10:20:02 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Farrell, Michael <Michael.Farrell@gtri.gatech.edu>  
CC: Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Crone, Ian <ian.crone@darpa.mil>; Scott, Shivon <Shivon.Scott@gtri.gatech.edu>  
Subject: Re: Addendum to HACCS

Folks, do we have any updates on this one? The impact of delaying this even further will be significant for both EA and HACCS projects --- something I really would like to avoid.

The data provider that was so unbelievably supportive of our (mainly EA but also HACCS) efforts to day is less than happy (to say the least).

Many thanks,

Manos

On Fri, 2018-08-24 at 23:20 +0000, Keromytis, Angelos wrote:

> Thanks. Tom will follow up with Abby to see what happened.

>

> On Aug 24, 2018, at 16:50, Farrell, Michael <Michael.Farrell@gtri.gatech.edu> wrote:

>

> Hello,

>

> Below please see the email transmittal that GT contracting (Dan) sent to DARPA (Abby) at 700am on August 9. It would appear DARPA contracting has had the REA for Haccs for more than two weeks.

>

> Although I don't have the attachment that was sent at that time, I would assume that if there were questions on the proposal then Abby would've replied back to Dan.

>

> Please advise if somehow the email below on August 9 did not, in fact, end up at DARPA. Or if there was a reply back from CMO that Dan might have inadvertently missed. If further info is needed or changes, then please have CMO contact Dan in GT OSP.

>

> Thanks.

>

> —MF

>

>

>

>

> From: Sibble, Dan

> Sent: Thursday, August 9, 2018 7:07 AM

> To: 'Jordan, Abigail' <abigail.jordan@darpa.mil<mailto:abigail.jordan@darpa.mil>>

> Subject: RE: Addendum to HACCS

>

>

> Good Morning Abby,

>

>  
>  
> Enclosed please find GTRI's REA proposal. Contact me at your  
> convenience with any questions or should additional information be  
> needed.

>  
>  
>  
> Best,

>  
>  
> Dan  
>  
> Dan Sibble  
> Contracting Officer  
> Georgia Institute  
> of Technology  
> Office of Sponsored Programs  
> Research Administration Bldg  
> 505 Tenth St NW Atlanta, GA 30332-0420  
> Ph: (404)894-6947 Fax: (404) 894-6956  
> Email: [hxxxp://xxx.osp.gatech.edu/](mailto:hxxxp://xxx.osp.gatech.edu/)

>  
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>  
> -----Original Message-----  
> From: Jordan, Abigail [<mailto:abigail.jordan@darpa.mil>]  
> Sent: Monday, August 6, 2018 8:25 AM  
> To: Sibble, Dan <[Dan.Sibble@osp.gatech.edu](mailto:Dan.Sibble@osp.gatech.edu)<<mailto:Dan.Sibble@osp.gatech.edu>>>  
> Subject: RE: Addendum to HACCS

>  
>  
>  
> Hi Dan,

>  
>  
>  
> Below is the message I received from Tom:

>  
>  
>  
> "We have a HACCS site visit at GT on Monday and this will be a topic  
> of review.

>  
>  
>  
> For purposes of replying to Dan, will defer to you on guidance of  
> what should be included in the REA proposal. He is also looking for  
> confirmation from CMO that the revised SoW does allow them to begin  
> working with the new subcontractors. Can you provide that? As for  
> funding, HACCS won't have access to FY19 budget until November (at  
> the earliest) and guidance to performers is to make current funding

> last through January 2019."

>

>

>

> As far as the REA proposal we will need a simple cost spreadsheet

> illustrating the changes and cost, a BOM if there is a material

> increase and a cover letter explain the change.

>

>

>

> Does this help?

>

>

>

> Thank you,

>

> Abby

>

>

>

>

>

>

>

> -----Original Message-----

>

> From: Sibble, Dan <Dan.Sibble@osp.gatech.edu<mailto:Dan.Sibble@osp.ga

> tech.edu>>

>

> Sent: Friday, August 3, 2018 3:29 PM

>

> To: Jordan, Abigail <abigail.jordan@darpa.mil<mailto:abigail.jordan@d

> arpa.mil>>

>

> Subject: RE: Addendum to HACCS

>

> Importance: High

>

>

>

> Hi Abby,

>

>

>

>

>

>

>

> Following up on my previous message, I don't think I saw a response

> on this.

>

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> Thanks!

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> From: Sibble, Dan

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> Sent: Thursday, July 26, 2018 3:37 PM





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>  
> Please advise at your earliest convenience.  
>  
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>  
> Thanks!  
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> Dan  
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>  
> Dan Sibble  
>  
>  
>  
> Contracting Officer  
>  
> Georgia Institute  
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> of Technology  
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> Office of Sponsored Programs  
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> Research Administration Bldg  
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> 505 Tenth St NWAtlanta, GA 30332-0420  
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> Ph: (404)894-6947 Fax: (404) 894-6956  
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> Email:hxxxp://xxx.osp.gatech.edu/  
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> On Jul 17, 2018, at 2:28 PM, Mitchell, Michael F <michael.mitchell@ec  
> e.gatech.edu <mailto:michael.mitchell@ece.gatech.edu <mailto:michael.m  
> itchell@ece.gatech.edu%3cmailto:michael.mitchell@ece.gatech.edu <mailt  
> o:michael.mitchell@ece.gatech.edu%3cmailto:michael.mitchell@ece.gatec  
> h.edu%20%3cmailto:michael.mitchell@ece.gatech.edu%3cmailto:michael.mi  
> tchell@ece.gatech.edu>> >> wrote:

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> Hey Tom and Allison,

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> Ive had both Neustar and Enemies list reach out to me for updates on  
> the HACCS program. They are eager to begin work on this project with  
> Georgia Tech. Can you provide an estimate on when this addendum  
> might be executed, or where in the process things are currently?

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> Thanks!

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> Michael Mitchell

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> Research Operations Program Manager

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Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D25B59 5120 5E89 BE1B 3668

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Saturday, August 25, 2018 12:20:36 AM  
To: Farrell, Michael <Michael.Farrell@gtri.gatech.edu>  
CC: Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Crone, Ian <ian.crone@darpa.mil>; Antonakakis, Emmanouil K <manos@gatech.edu>; Scott, Shivon <Shivon.Scott@gtri.gatech.edu>  
Subject: Re: Addendum to HACCS

Thanks. Tom will follow up with Abby to see what happened.

On Aug 24, 2018, at 16:50, Farrell, Michael <Michael.Farrell@gtri.gatech.edu <mailto:Michael.Farrell@gtri.gatech.edu>> wrote:

Hello,

Below please see the email transmittal that GT contracting (Dan) sent to DARPA (Abby) at 700am on August 9. It would appear DARPA contracting has had the REA for Haccs for more than two weeks.

Although I don't have the attachment that was sent at that time, I would assume that if there were questions on the proposal then Abby would've replied back to Dan.

Please advise if somehow the email below on August 9 did not, in fact, end up at DARPA. Or if there was a reply back from CMO that Dan might have inadvertently missed. If further info is needed or changes, then please have CMO contact Dan in GT OSP.

Thanks.

—MF

From: Sibble, Dan  
Sent: Thursday, August 9, 2018 7:07 AM  
To: 'Jordan, Abigail' <abigail.jordan@darpa.mil <mailto:abigail.jordan@darpa.mil>>  
Subject: RE: Addendum to HACCS

Good Morning Abby,

Enclosed please find GTRI's REA proposal. Contact me at your convenience with any questions or should additional information be needed.

Best,

Dan

Dan Sibble  
Contracting Officer  
Georgia Institute

of Technology  
Office of Sponsored Programs  
Research Administration Bldg  
505 Tenth St NW Atlanta, GA 30332-0420  
Ph: (404)894-6947 Fax: (404) 894-6956  
Email: [hxxxp://xxx.osp.gatech.edu/](mailto:hxxxp://xxx.osp.gatech.edu/)

-----Original Message-----

From: Jordan, Abigail [<mailto:abigail.jordan@darpa.mil>]  
Sent: Monday, August 6, 2018 8:25 AM  
To: Sibble, Dan <[Dan.Sibble@osp.gatech.edu](mailto:Dan.Sibble@osp.gatech.edu)<<mailto:Dan.Sibble@osp.gatech.edu>>>  
Subject: RE: Addendum to HACCS

Hi Dan,

Below is the message I received from Tom:

"We have a HACCS site visit at GT on Monday and this will be a topic of review.

For purposes of replying to Dan, will defer to you on guidance of what should be included in the REA proposal. He is also looking for confirmation from CMO that the revised SoW does allow them to begin working with the new subcontractors. Can you provide that? As for funding, HACCS won't have access to FY19 budget until November (at the earliest) and guidance to performers is to make current funding last through January 2019."

As far as the REA proposal we will need a simple cost spreadsheet illustrating the changes and cost, a BOM if there is a material increase and a cover letter explain the change.

Does this help?

Thank you,

Abby



-----Original Message-----

From: Sibble, Dan <Dan.Sibble@osp.gatech.edu<mailto:Dan.Sibble@osp.gatech.edu>>

Sent: Friday, August 3, 2018 3:29 PM

To: Jordan, Abigail <abigail.jordan@darpa.mil<mailto:abigail.jordan@darpa.mil>>

Subject: RE: Addendum to HACCS

Importance: High

Hi Abby,

Following up on my previous message, I don't think I saw a response on this.

Thanks!

Dan

Dan Sibble

Contracting Officer

Georgia Institute

of Technology

Office of Sponsored Programs

Research Administration Bldg

505 Tenth St NW Atlanta, GA 30332-0420

Ph: (404)894-6947 Fax: (404) 894-6956

Email: <http://xxx.osp.gatech.edu/>

From: Sibble, Dan

Sent: Thursday, July 26, 2018 3:37 PM

To: 'abigail.jordan@darpa.mil<<mailto:abigail.jordan@darpa.mil>>'  
<[abigail.jordan@darpa.mil](mailto:abigail.jordan@darpa.mil)<<mailto:abigail.jordan@darpa.mil>>>

Subject: FW: Addendum to HACCS

Hi Abby,

I was recently on vacation and I am now playing catch up this week. I was forwarded the message below regarding the HACCS addendum now that P00003 has been executed.

Can you:

1. Confirm the accuracy of the guidance in Mr. Maddern's message below

2. Advise what all is needed for the REA proposal

3. Provide guidance on the future funding outlays

Please advise at your earliest convenience.

Thanks!

Dan

Dan Sibble

Contracting Officer

Georgia Institute

of Technology

Office of Sponsored Programs

Research Administration Bldg

505 Tenth St NW Atlanta, GA 30332-0420

Ph: (404)894-6947 Fax: (404) 894-6956

Email: <http://xxx.osp.gatech.edu/>

-----Original Message-----

From: Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil <  
<mailto:Thomas.Maddern.ctr@darpa.mil><<mailto:Thomas.Maddern.ctr@darpa.mil%20%3cmmailto:Thomas.Maddern.ctr@darpa.r>  
>> >

Sent: Wednesday, July 18, 2018 10:58 AM

To: Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu) <  
<mailto:michael.mitchell@ece.gatech.edu><<mailto:michael.mitchell@ece.gatech.edu%20%3cmmailto:michael.mitchell@ece.gatech.edu>  
>> >

Cc: Kline, Allison (contr-i2o) <[allison.kline.ctr@darpa.mil](mailto:allison.kline.ctr@darpa.mil) <  
<mailto:allison.kline.ctr@darpa.mil><<mailto:allison.kline.ctr@darpa.mil%20%3cmmailto:allison.kline.ctr@darpa.mil>>> >;  
Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu) <  
<mailto:manos@gatech.edu><<mailto:manos@gatech.edu%20%3cmmailto:manos@gatech.edu>>> >

Subject: Re: Addendum to HACCS

Michael,

Contract mod revising the SoW was sent to Dan Sibble this morning. Process going forward is:

- GTARC submits an REA proposal to CMO for an increase in contract ceiling
  
- DARPA reviews the REA and CMO negotiates the revised costs
  
- Contract mod issued increasing contract ceiling and provides incremental funding

As previously discussed, funds will not be available until November/December at the earliest. The funds currently on contract need to keep GT going through January. GT should clarify with CMO if the new subcontractors can begin work now or if the above process need to be completed first. If the former, GT needs to decide whether the current funding can support the existing work and new subcontractor costs into 2019.

Please let me know if you have any questions.

Tom

On Jul 17, 2018, at 2:28 PM, Mitchell, Michael F  
<[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)<<mailto:michael.mitchell@ece.gatech.edu> <  
<mailto:michael.mitchell@ece.gatech.edu%3cmichael.mitchell@ece.gatech.edu><<mailto:michael.mitchell@ece.gatech.edu>  
>> >> wrote:

Hey Tom and Allison,

I've had both Neustar and Enemies list reach out to me for updates on the HACCS program. They are eager to begin work on this project with Georgia Tech. Can you provide an estimate on when this addendum might be executed, or where in the process things are currently?

Thanks!

Michael Mitchell

Research Operations Program Manager

GEORGIA Institute

of TECHNOLOGY

School of Electrical and Computer Engineering

777 Atlantic Drive NW

Atlanta, GA 30332-0765

Phone: 404-385-8122

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, January 5, 2018 4:34:29 PM  
To: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: Adjacency matrix and active DNS authorization

Will do that.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Sent: Friday, January 5, 2018 11:33:32 AM  
To: Antonakakis, Manos; Keromytis, Angelos  
Subject: RE: Adjacency matrix and active DNS authorization

Manos,

I think offering the ActiveDNS feeds makes sense. The slides are still marked Distribution C (if I remember correctly) so send them via AMRDEC or refer him to me and I can do so (makes your life easier).

Regards,  
Tejas

-----Original Message-----

From: Antonakakis, Manos [<mailto:manos@gatech.edu>]  
Sent: Friday, January 5, 2018 11:32 AM  
To: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: Adjacency matrix and active DNS authorization

OK Tejas that makes sense. Let me do the following then.

I will share with him the reduced slide deck, and tell him if he wants the full deck he will have to talk directly with you. This way, I have a reason to include you in the email and I am giving you an opportunity to have a deeper discussion about their needs and interests.

At the same time, I will offer him full access to the Active DNS data and the Kafka Stream.

Sounds like a plan?

-  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Sent: Friday, January 5, 2018 11:27:09 AM  
To: Antonakakis, Manos; Keromytis, Angelos  
Subject: RE: Adjacency matrix and active DNS authorization



Manos:

That works for us. Most likely we will share the sharable slides you sent us but good to hear what he really wants. I didn't realize anyone from SPAWAR was in the audience.

Regards,  
Tejas

-----Original Message-----

From: Antonakakis, Manos [<mailto:manos@gatech.edu>]

Sent: Friday, January 5, 2018 11:03 AM

To: Keromytis, Angelos <[angelos.keromytis@darpa.mil](mailto:angelos.keromytis@darpa.mil)>; Patel, Tejas (contr-i2o) <[tejas.patel.ctr@darpa.mil](mailto:tejas.patel.ctr@darpa.mil)>

Subject: Fw: Adjacency matrix and active DNS authorization

Gents, do I send Kris your way?

-

Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: kris buchanan <[krisbuch@spawar.navy.mil](mailto:krisbuch@spawar.navy.mil)>

Sent: Friday, January 5, 2018 10:31 AM

To: Antonakakis, Manos

Subject: Adjacency matrix and active DNS authorization

Hi Manos,

I attended the Darpa meeting 1 DEC and watched your talk on active DNS with Adjacency matrices. The presentation was very interesting and I was hoping to get a copy of the slides if you'd be able to share these.

Kris

V/r

Kristopher R. Buchanan

CPT, SC, CYBER Ph.D, USN

Electromagnetics Technology Branch San Diego, CA

NIPR: [Kristopher.r.buchanan2.mil@mail.mil](mailto:Kristopher.r.buchanan2.mil@mail.mil) <<mailto:Kristopher.r.buchanan2.mil@mail.mil>>

Kris.buchanan@navy.mil <<mailto:Kris.buchanan@navy.mil>>

SIPR: [Krisbuch@spawar.navy.smil.mil](mailto:Krisbuch@spawar.navy.smil.mil) <<mailto:Krisbuch@spawar.navy.smil.mil>>

JWICS: [Kristopher.r.buchanan.mil@army.ic.gov](mailto:Kristopher.r.buchanan.mil@army.ic.gov) <<mailto:Kristopher.r.buchanan.mil@army.ic.gov>>

Office: (619) 553-6128 Cell: (702) 287-6824

[<https://ipmcdn.avast.com/images/icons/icon-envelope-tick-round-orange-animated-no-repeat-v1.gif>] <[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=emailclient&utm\\_term=icon](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon)> Virus-free. [www.avast.com](http://www.avast.com) <[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=emailclient&utm\\_term=link](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link)>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, January 5, 2018 4:37:07 PM  
To: kris buchanan <krisbuch@spawar.navy.mil>; Patel, Tejas H CTR (US) <tejas.patel.ctr@darpa.mil>; Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>  
Subject: Re: Adjacency matrix and active DNS authorization

Hey Kris.

I have CCed Tejas and Angelos (the DARPA PM team) that can share the slide deck with you.

I will followup on a different email with my team, which will grant you access to the ActiveDNS datasets.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: kris buchanan <krisbuch@spawar.navy.mil>  
Sent: Friday, January 5, 2018 10:31 AM  
To: Antonakakis, Manos  
Subject: Adjacency matrix and active DNS authorization

Hi Manos,

I attended the Darpa meeting 1 DEC and watched your talk on active DNS with Adjacency matrices. The presentation was very interesting and I was hoping to get a copy of the slides if you'd be able to share these.

Kris

V/r

Kristopher R. Buchanan  
CPT, SC, CYBER Ph.D, USN  
Electromagnetics Technology Branch San Diego, CA  
NIPR: Kristopher.r.buchanan2.mil@mail.mil <mailto:Kristopher.r.buchanan2.mil@mail.mil>  
Kris.buchanan@navy.mil <mailto:Kris.buchanan@navy.mil>  
SIPR: Krisbuch@spawar.navy.smil.mil <mailto:Krisbuch@spawar.navy.smil.mil>  
JWICS: Kristopher.r.buchanan.mil@army.ic.gov <mailto:Kristopher.r.buchanan.mil@army.ic.gov>  
Office: (619) 553-6128 Cell: (702) 287-6824

<https://ipmcdn.avast.com/images/icons/icon-envelope-tick-round-orange-animated-no-repeat-v1.gif> <[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=emailclient&utm\\_term=icon](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=icon)> Virus-free. [www.avast.com](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link) <[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=emailclient&utm\\_term=link](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient&utm_term=link)>

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Tuesday, October 23, 2018 10:26:36 PM  
To: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
CC: schwab@isi.edu; manos@gatech.edu; Tejas Patel (tejas@kududyn.com) <tejas@kududyn.com>; jim.simpson (jim.simpson@cynnovative.com) <jim.simpson@cynnovative.com>  
Subject: Re: affidavit example

Merry Christmas! :)

Dr. Angelos D. Keromytis  
Program Manager  
DARPA / Information Innovation Office (I2O)  
675 N Randolph Street  
Arlington, VA 22203

(T) 571-218-4290  
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(NIPR) angelos.keromytis@darpa.mil <mailto:angelos.keromytis@darpa.mil>  
(SIPR) angelos.keromytis@darpa.smil.mil <mailto:angelos.keromytis@darpa.smil.mil>  
(JWICS) angelos.keromytis@darpa.ic.gov <mailto:angelos.keromytis@darpa.ic.gov>

On Oct 23, 2018, at 5:15 PM, Schneck, Christopher (contr-i2o)  
<christopher.schneck.ctr@darpa.mil <mailto:christopher.schneck.ctr@darpa.mil>> wrote:

Steve,

Attached is a template the FBI uses for generating affidavits. Enjoy!

V/r,

Chris Schneck  
DARPA I2O SETA  
571-524-3821 (cell)  
918-6691

-----Original Message-----

From: Kealiher, Brandon (WF) (FBI) <bkealiher@fbi.gov <mailto:bkealiher@fbi.gov>>  
Sent: Tuesday, October 23, 2018 1:45 PM  
To: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil <mailto:christopher.schneck.ctr@darpa.mil>>  
Cc: Hughes, Nolan E. (WF) (FBI) <nhughes@fbi.gov <mailto:nhughes@fbi.gov>>  
Subject: affidavit example

Hey Chris,

Please find attached the sample I meant to send on high side.

We're looking forward to having a more in depth discussion about how the EA tool can feed plain language narrative like this at your conference.

Let me know your questions in the meantime.

Best regards,  
Brandon

Brandon Kealiher  
Washington Field Office, FBI  
Cell: 202-439-9150  
Desk: 703-686-6674

<2703d Application and Order - Template [redacted].docx>

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Thursday, June 28, 2018 12:39:00 PM  
**To:** Tejas Patel<tejas@kududyn.com>  
**CC:** Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>; Kline, Allison (contr-i2o)<allison.kline.ctr@darpa.mil>; Jim Simpson<jim.simpson@cynnovative.com>; Manos Antonakakis<manos@gatech.edu>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Thursday, June 28, 2018 12:38:57 PM  
**Subject:** Re: AFOSI Meeting Time  
**Attachments:** Nameless.txt (2.55 KB)

No problem - I hadn't been expecting to have anything when the meeting as scheduled, so no harm. I agree with having something solid.

WRT technical questions, my suggestion would be to ask Kyle or his folks in CO - I suspect this would be the answer I'd get from today's meeting if I asked.

On Jun 27, 2018, at 23:56, Tejas Patel <[tejas@kududyn.com](mailto:tejas@kududyn.com)> wrote:

Angelos, Chris:

Jim and I just got off a long call with Manos regarding what we can provide you for your meeting tomorrow. The short answer is we are not in a position to provide you with results that can be thoroughly validated and vetted quickly and don't want to provide you presentation material that may be incorrect given that we are already a year behind in our relationship with AFOSI.

What Manos, Jim, and I are doing is setting up a common server for us to collaborate on. For the DNS portion of the data Manos has some suggestions on how we can pull out information that he can use to enrich in his cluster. Jim and I agree his recommendations are a better way forward. I believe this will prove to be a good tangible first step in integrating between the teams. It isn't ideal given the scheduled meeting tomorrow but we should be able to get you some things going forward that will merit a meeting with AFOSI.

We do have questions about how the data is collected that will affect how the analysis is done. A working session with their team would prove useful at this point. Can you bring this up during your meeting tomorrow?

Sorry we couldn't pull something presentable together before your meeting.

Regards,  
Tejas

Tejas Patel  
Principal investigator  
Kudu Dynamics  
+1 919-332-3191 (c)

[tejas@kududyn.com](mailto:tejas@kududyn.com)

On Wed, Jun 27, 2018 at 10:13 AM, Tejas Patel <[tejas@kududyn.com](mailto:tejas@kududyn.com)> wrote:

Chris:

Sounds good. We'll make sure to send you an encrypted mail with whatever we can find

tonight (probably late).

Regards,

Tejas

Tejas Patel

Principal investigator

Kudu Dynamics

+1 919-332-3191 (c)

[tejas@kududyn.com](mailto:tejas@kududyn.com)

On Wed, Jun 27, 2018 at 6:03 AM, Schneck, Christopher (contr-i2o) <[christopher.schneck.ctr@darpa.mil](mailto:christopher.schneck.ctr@darpa.mil)> wrote:

Meeting is at 10

On Jun 26, 2018, at 11:16 PM, Tejas Patel <[tejas@kududyn.com](mailto:tejas@kududyn.com)><mailto:[tejas@kududyn.com](mailto:tejas@kududyn.com)>> wrote:

Chris, Allison:

What time do you need slides for the AFOSI meeting on Thursday? Jim and I planned on working on them Wednesday evening.

Regards,

Tejad

Get Outlook for iOS<[hxxps://aka.ms/o0ukef](https://aka.ms/o0ukef)>

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, November 2, 2017 4:26:46 PM

To: Antonakakis, Manos <manos@gatech.edu>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, November 2, 2017 4:26:45 PM

Subject: Re: also on case 2

Attachments: Nameless.txt (760 Bytes)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, November 2, 2017 4:25:24 PM

To: Antonakakis, Manos <manos@gatech.edu>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, November 2, 2017 4:25:23 PM

Subject: Re: also on case 2

Attachments: Nameless.txt (616 Bytes)



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, November 2, 2017 4:30:45 PM

To: Antonakakis, Manos <manos@gatech.edu>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, November 2, 2017 4:30:44 PM

Subject: Re: also on case 2

Attachments: Nameless.txt (1.29 KB)

From: Rodney Joffe <rodney.joffe@team.neustar>  
Sent on: Friday, February 19, 2021 5:02:01 PM  
To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
CC: Manos Antonakakis <manos@gatech.edu>  
Subject: Re: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)

Many thanks Michael. I've forwarded it on to our treasury group with the "clean bill of health/not a phish" label :-)

On the other matter, do you have any idea how the processing of our "ERP Services, Inc" Vendor registration is progressing?

Regards  
Rodney

> On Feb 19, 2021, at 11:23 AM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:  
>  
> Yes, I just spoke with Shamelia and this is a legitimate request to set up the ach payment system for vendors.  
>  
> Michale  
>  
> From: Antonakakis, Manos <manos@gatech.edu>  
> Sent: Thursday, February 18, 2021 7:53 PM  
> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>; Rodney Joffe <rodney.joffe@team.neustar>  
> Subject: Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
>  
> Michael, is this legitimate?  
>  
> Thanks, Manos  
> From: Rodney Joffe <rodney.joffe@team.neustar>  
> Sent: Thursday, February 18, 2021 19:35  
> To: Antonakakis, Manos  
> Subject: Fwd: An Invitation from Georgia Institute of Technology (Payments via ACH/EFT)  
>  
> Manos,  
>  
> Could you please confirm that this is legitimate?  
>  
> Thanks  
> Rodney  
>

From: Angelos D. Keromytis [REDACTED] >

Sent on: Friday, April 27, 2018 9:29:31 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Romberg, Justin <jrom@ece.gatech.edu>; Williams, Douglas B <doug.williams@coe.gatech.edu>; Beck, Harry L <harry.beck@ece.gatech.edu>; Beyah, Raheem A <rbeyah@ece.gatech.edu>

Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

FWIW, "promised" means "committed to, in my offer letter".

> On Apr 27, 2018, at 16:12, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Justin, many thanks for your comments. I have incorporated most of them in the attached version.

>

> The only thing I did not incorporate is your point about at this point being only Angelos and I. This is a point of weakness, however, it is kind of hard to avoid it for two reasons.

>

> First, most of the faculty have been "recruited" by the various IIRs and signed up to move to Coda. I could act maliciously and try to strong-arm people to sign up, however I do not see any benefit from doing this. I would like people to want to participate in the new center because of the work we do, not because of political pressure.

>

> Second, I cannot sign up the 4 faculty that were promised to Angelos because simply they are future hires. I suspect however, that when COE promised these faculty to Angelos, they realized that they will need to be located somewhere. My understanding is that Angelos has communicated a very similar (to this center) vision to the Dean and the GRA folks -- with all of them being supportive and on the same page. Now, if the committee thinks that these promises (which are in his offer letter) are not enough, I am not quite sure what signal GT is sending to a very senior faculty like Angelos.

>

> Finally, and my apologies if I come across a bit arrogant or cynic, I can think of 43M hard and tangible reasons why this is a better proposal than all the other ones when it comes to utilizing vacated space. :)

>

> We are creating a new research area, we are building bridges with the IC that even GTRI does not have currently, we will be bring in new faculty to expand this new research area, we are self funding the center, the only thing we ask is enough space to place our people and hardware. To me, it looks like a very reasonable request --- especially when we are not requesting the newest and in highest demand space (see Coda).

>

> Fair?

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_

> From: Romberg, Justin

> Sent: Friday, April 27, 2018 3:44:54 PM

> To: Antonakakis, Manos

> Cc: Williams, Douglas B; Beck, Harry L; Angelos D. Keromytis; Beyah, Raheem A

> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>

> Hi Manos,

>

> Some feedback below ...

>

> -Justin

>

> —  
>  
> In "Vision and Justification":  
> This is good. To make it perfectly clear, you might want to label the paragraph(s) with a bolded  
> Strategic Vision:, Recent and Projected Growth:, Synergies with Industry and Government:, etc. This will leave no doubt  
that your proposal addresses all of these in a very strong way.  
>  
> The main pushback on this is going to be that there are only two concrete faculty associated with the neighborhood at  
this point in time. You might want to have some convincing specifics in the "Recent and Projected Growth" about the  
hiring strategy that Angelos/you have agreed on with ECE/CoE. The word "promise(d)" seems too informal in the places it  
appears; it makes an outsider wonder what the nature of the agreement is.  
>  
> I would use more direct language in the "Specific building requested". Just say  
> "We prefer to stay in Klaus because [insert reason]. We would also consider the Rich building if appropriate renovations  
can be made."  
>  
> It is unclear what "4x6" means in "Future Faculty Needs".  
>  
> In "Critical Adjacencies": If there is a specific research neighborhood in Klaus that you want to be adjacent to, you  
should state it.  
>  
>  
>  
>> On Apr 27, 2018, at 3:38 PM, Antonakakis, Manos <manos@gatech.edu> wrote:  
>>  
>> Sorry, didn't save before sending. This is the final.  
>>  
>> —  
>> Manos Antonakakis | manos@gatech.edu  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>  
>>  
>> \_\_\_\_\_  
>> From: Antonakakis, Manos  
>> Sent: Friday, April 27, 2018 3:36:40 PM  
>> To: Williams, Douglas B  
>> Cc: Beck, Harry L; Romberg, Justin; Angelos D. Keromytis; Beyah, Raheem A  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>>  
>> Hey Doug,  
>>  
>> The application is revised per your request. We just need Raheem's signature at this point.  
>>  
>> Thanks,  
>>  
>> —  
>> Manos Antonakakis | manos@gatech.edu  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>  
>>  
>> \_\_\_\_\_  
>> From: Williams, Douglas B  
>> Sent: Friday, April 27, 2018 3:23:11 PM  
>> To: Antonakakis, Manos  
>> Cc: Beck, Harry L; Romberg, Justin; Angelos D. Keromytis; Beyah, Raheem A

>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>

>> Manos -

>>

>> I don't believe it is necessary to request hoteling space in Coda. Several of the groups there, including IISP, will have hoteling space that you'd be able to use. I see where you added some more text about hoteling and the Rich server room, which is good. If it's possible to add another line for space needs (under the line for Future Faculty Needs) for a number of hoteling offices, that would be good, too. Just in case someone goes through the proposal and tabulates the list of spaces requested in that section, it would be good to have the hoteling request there.

>>

>> Regards,

>> Doug

>>

>> -----

>> Doug Williams

>> Professor and Associate Dean for Administration and Finance

>> College of Engineering

>> Georgia Institute of Technology

>> Atlanta, GA 30332-0360

>> 404-894-9832

>> doug.williams@gatech.edu<mailto:doug.williams@ece.gatech.edu>

>>

>> On Apr 27, 2018, at 2:53 PM, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

>>

>> Yeah, good point Harry.

>>

>> —

>> Manos Antonakakis | manos@gatech.edu<<mailto:manos@gatech.edu>>

>> Georgia Institute of Technology

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>>

>>

>> \_\_\_\_\_

>> From: Beck, Harry L

>> Sent: Friday, April 27, 2018 2:22:57 PM

>> To: Antonakakis, Manos; Williams, Douglas B; Romberg, Justin

>> Cc: Angelos D. Keromytis; Beyah, Raheem A

>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>

>> I do not know how we can request specific rooms at this point if we do not know which rooms are being vacated (i.e. Klaus).

>>

>>

>> Harry L. Beck

>>

>> Director of Operations

>>

>> School of Electrical & Computer Engineering

>>

>> Office 404-894-4733

>>

>> Cell 678-642-4680

>>

>>

>> \_\_\_\_\_

>> From: Antonakakis, Manos

>> Sent: Friday, April 27, 2018 2:10 PM

>> To: Williams, Douglas B; Beck, Harry L; Romberg, Justin  
>> Cc: Angelos D. Keromytis; Beyah, Raheem A  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>  
>> Actually, here we go.

>>  
>> Harry; added your text, and called out the datacenter rooms explicitly --- 133 is the normal, and the 133(b) is the secure space for Angelo's project. Had to change the text a bit to make it fit. Please take a look and let me know if you like it. Thanks.

>>  
>> Doug; called out the hoteling space at Klaus we want. Not sure what I should place for Coda, as I am not aware of room numbers etc.

>>  
>> Harry/Doug; should we be calling out the exact rooms and space we are requesting from Rich (outside the datacenter space) or not? I am not sure how precise we need to be with this. I can spend my Saturday matching our needs with exact rooms in Rich, because Harry sent me the floor-plans. However, with everything else going on at the moment, I rather not do that. What your advice would be?

>>  
>> Gentlemen, unless we Harry, Doug or Justin thinks we should add/change something, we are ready. We just need Raheem's signature.

>>  
>> Thanks,

>> —  
>> Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>  
>> \_\_\_\_\_  
>> From: Antonakakis, Manos  
>> Sent: Friday, April 27, 2018 1:30:30 PM  
>> To: Williams, Douglas B  
>> Cc: Beck, Harry L; Angelos D. Keromytis; Beyah, Raheem A  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>  
>> Doug, thanks for the feedback. I will incorporate everything over the weekend and send this to you first thing Monday morning.

>>  
>> This way, we will give some time to Justin to provide some feedback (we are already talking with him in a different thread with Harry).

>>  
>> Many thanks,

>> —  
>> Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>  
>> \_\_\_\_\_  
>> From: Williams, Douglas B  
>> Sent: Friday, April 27, 2018 1:18:23 PM  
>> To: Antonakakis, Manos  
>> Cc: Beck, Harry L; Angelos D. Keromytis; Beyah, Raheem A  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>

>> Manos -  
>>  
>> Here's the second page with my signature.  
>>  
>> Just saw Harry's comment. That looks good. I'll check with Didier to see if he and I should submit another backfill proposal to formally request the server room.  
>>  
>> Regarding the hoteling space, it would also be good to list the hoteling offices at the end of the list of space needs. That way, it won't get lost if someone is going through the proposals quickly and adding up the space requests.  
>>  
>> Justin Romberg is COE's representative on the campus space committee. If you want comments from him before submitting this proposal, I'm sure he'd be glad to read over it.  
>>  
>> I didn't see Raheem on your last email, but I've included him here so he can sign, too.  
>>  
>> Thanks,  
>> Doug  
>>  
>> -----  
>> Doug Williams  
>> Professor and Associate Dean for Administration and Finance  
>> College of Engineering  
>> Georgia Institute of Technology  
>> Atlanta, GA 30332-0360  
>> 404-894-9832  
>> doug.williams@gatech.edu<mailto:doug.williams@gatech.edu> <mailto:doug.williams@gatech.edu>  
>>  
>>  
>> On Apr 27, 2018, at 11:32 AM, Antonakakis, Manos  
<manos@gatech.edu<mailto:manos@gatech.edu> <mailto:manos@gatech.edu>> wrote:  
>>  
>> Thanks both of you for the feedback. Attached please find the application, signed by me (on behalf of Angelos cced -- he is on the road traveling at the moment).  
>>  
>> Once it is signed (Doug and Raheem?), I will submit it from my GT account.  
>>  
>> Thanks,  
>>  
>> —  
>> Manos Antonakakis | manos@gatech.edu<<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>>  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>  
>>  
>> \_\_\_\_\_  
>> From: Beck, Harry L  
>> Sent: Friday, April 27, 2018 11:07:45 AM  
>> To: Williams, Douglas B  
>> Cc: Antonakakis, Manos  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>>  
>> Manos,  
>>  
>>  
>> While you are editing please put your name on line 2 as the contact in place of the neighborhood name. Thanks.  
>>  
>>

>> Harry L. Beck

>>

>> Director of Operations

>>

>> School of Electrical & Computer Engineering

>>

>> Office 404-894-4733

>>

>> Cell 678-642-4680

>>

>>

>> \_\_\_\_\_

>> From: Williams, Douglas B

>> Sent: Friday, April 27, 2018 10:44 AM

>> To: Beck, Harry L

>> Cc: Antonakakis, Manos

>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>

>> I think it would be better to submit individually. Manos is the lead contact, so it may be best for him to submit. Also, individuals can submit a maximum of 3 proposals, which limits how many I can submit. I can sign for College Dean spot at the bottom.

>>

>> Here are a few thoughts on the proposal:

>> - Manos should be listed as a faculty occupant, too.

>> - I think it would be good to ask for a few 'hoteling' offices. Wenke has asked about that possibility for IISP faculty who are based in Coda but will be visiting campus occasionally. Yesterday, GTRI also asked about hoteling space. Those offices would be good for interactions across campus in general. Also, if the neighborhood becomes squeezed for space in the future (given its growth, that's bound to happen) those offices could be used to accommodate expansion.

>> - No matter where this neighborhood is located, I think we should request one of OIT's server rooms in Rich. That would be good for this neighborhood, would allow the College to move out of the A. French server room, and could support future educational and research efforts in Rich. Do you think that would go better as part of this proposal or as a separate proposal?

>>

>> Thanks,

>> Doug

>>

>> -----

>> Doug Williams

>> Professor and Associate Dean for Administration and Finance

>> College of Engineering

>> Georgia Institute of Technology

>> Atlanta, GA 30332-0360

>> 404-894-9832

>>

doug.williams@gatech.edu <mailto:doug.williams@gatech.edu> <mailto:doug.williams@gatech.edu> <mailto:doug.williams@

>>

>> On Apr 27, 2018, at 9:06 AM, Beck, Harry L

<harry.beck@ece.gatech.edu <mailto:harry.beck@ece.gatech.edu> <mailto:harry.beck@ece.gatech.edu> <mailto:harry.beck@

wrote:

>>

>> Doug,

>>

>> What is the submission process ? Will you submit from COE or should we submit individually ?

>>

>> Let us know if you have suggested edits or not. Thanks.

>>

>> Harry L. Beck



>> Director of Operations  
>> School of Electrical & Computer Engineering  
>> Office 404-894-4733  
>> Cell 678-642-4680

>>  
>>  
>> \_\_\_\_\_  
>> From: Antonakakis, Manos  
>> Sent: Friday, April 27, 2018 8:25 AM  
>> To: Williams, Douglas B  
>> Cc: Beck, Harry L  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>  
>> Gentlemen, please find attached our application. The Vision text did not fit exactly, so I am attaching it in a separate document. You can trim whatever portion of it you think is not too important.

>>  
>> Harry, please let me know if you need anything else from me on this.

>>  
>> Thanks,

>>  
>> —  
>> Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>>

>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>  
>>  
>> \_\_\_\_\_  
>> From: Williams, Douglas B  
>> Sent: Monday, April 23, 2018 10:45:57 PM  
>> To: Antonakakis, Manos  
>> Cc: Beck, Harry L  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>  
>> I haven't gotten very far with this one, but I'd be glad to help. (There's a different, college-wide backfill proposal that is taking most of my time.)

>>  
>> I have some information regarding the space that will be vacated, if that will help. I'm not sure if it is really needed at this point, though. As Harry noted, something short would be good. I'm not sure how much space the form allows.

>>  
>> Thanks,

>> Doug

>>  
>> -----

>> Doug Williams  
>> Professor and Associate Dean for Administration and Finance  
>> College of Engineering  
>> Georgia Institute of Technology  
>> Atlanta, GA 30332-0360  
>> 404-894-9832

>>  
>> [doug.williams@gatech.edu](mailto:doug.williams@gatech.edu) <<mailto:doug.williams@gatech.edu>> <<mailto:doug.williams@gatech.edu>> <<mailto:doug.williams@gatech.edu>>

>>  
>> On Apr 23, 2018, at 2:00 PM, Antonakakis, Manos  
>> <[manos@gatech.edu](mailto:manos@gatech.edu)> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>>  
>> wrote:

>>

>> OK, Harry thanks. I looked around the site and I found nothing related.

>>

>> I will keep it short -- a couple of pages.

>>

>> —

>> Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)<

<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>>

>> Georgia Institute of Technology

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>>

>>

>> \_\_\_\_\_

>> From: Beck, Harry L

>> Sent: Monday, April 23, 2018 1:53:35 PM

>> To: Antonakakis, Manos

>> Cc: Williams, Douglas B

>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>

>> My sense is that this is basically a white paper type of input. Per the solicitation it should include a documentation of the need and a strategic vision for the research neighborhood. It does mention a standard form being attached but I cannot find it. I will investigate and send it to you if I am able to locate it.

>>

>>

>> Harry L. Beck

>>

>> Director of Operations

>>

>> School of Electrical & Computer Engineering

>>

>> Office 404-894-4733

>>

>> Cell 678-642-4680

>>

>>

>> \_\_\_\_\_

>> From: Antonakakis, Manos

>> Sent: Monday, April 23, 2018 1:08 PM

>> To: Beck, Harry L

>> Cc: Williams, Douglas B

>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>>

>> Harry, I was planning to work this week on this. Last few weeks was traveling and was too busy.

>>

>> Do we have a sense of how lengthy this needs to be and of any general template for the application?

>>

>> Thanks,

>>

>> —

>> Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)<

<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>>

>> Georgia Institute of Technology

>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>

>>

>> \_\_\_\_\_

>> From: Beck, Harry L

>> Sent: Monday, April 23, 2018 1:06:01 PM

>> To: Antonakakis, Manos  
>> Cc: Williams, Douglas B  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>>  
>> I thought you were working on it with input from Angelos. I have not done anything with it. Let's check with Doug (copied) to see if he wants ECE to do it or if he is planning on doing something for cyber at the COE level.  
>>  
>>  
>> Harry L. Beck  
>>  
>> Director of Operations  
>>  
>> School of Electrical & Computer Engineering  
>>  
>> Office 404-894-4733  
>>  
>> Cell 678-642-4680  
>>  
>>  
>> \_\_\_\_\_  
>> From: Antonakakis, Manos  
>> Sent: Monday, April 23, 2018 1:02 PM  
>> To: Beck, Harry L; Williams, Douglas B; Beyah, Raheem A  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>>  
>> Harry, do you still need me to come up with a proposal of this backfill space, of you will be handling that?  
>>  
>> Thanks,  
>>  
>> —  
>> Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>>  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>  
>>  
>> \_\_\_\_\_  
>> From: Beck, Harry L  
>> Sent: Thursday, April 19, 2018 8:51:04 PM  
>> To: Williams, Douglas B; Beyah, Raheem A  
>> Cc: Antonakakis, Manos  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>>  
>> Just an aside, Brendan is now planning to move to CODA with Wenke. I found this out a week ago.  
>>  
>> Get Outlook for Android <<https://aka.ms/ghei36>>  
>>  
>> \_\_\_\_\_  
>> From: Beyah, Raheem A  
>> Sent: Thursday, April 19, 2018 6:26:10 PM  
>> To: Williams, Douglas B  
>> Cc: Antonakakis, Manos; Beck, Harry L  
>> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>>  
>> Hi Doug,  
>>  
>> Please see my comments inline below:



>>  
>> Total  
>>  
>> Principal Investigator  
>>  
>> 1  
>>  
>> -  
>>  
>> -  
>>  
>> 1  
>>  
>> Support Staff  
>>  
>> 7  
>>  
>> 6  
>>  
>> -  
>>  
>> 13  
>>  
>> GRA  
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>> 12  
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>> Principal Investigator  
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>> 1  
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>> Support Staff  
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>> -  
>>

>> -  
>>  
>> 3  
>>  
>> 3  
>>  
>> GRA  
>>  
>> -  
>>  
>> -  
>>  
>> 6  
>>  
>> 6  
>>  
>> Totals  
>>  
>> 20  
>>  
>> 9  
>>  
>> 10  
>>  
>> 39  
>>  
>>  
>> Since cybersecurity is a growing field at Ga Tech, it is highly likely these figures could grow. Hence, I recommend an appropriate factor be added for growth.  
>>  
>> One of the requirements of the grant is that the research be conducted in a controlled access area. Hence, it is desirable for the team to be located within a contiguous area with controlled access.  
>>  
>> I assume we want to request more for Manos and Angelos, but how much more?  
>>  
>> RB>>Manos, we need your (and possibly Angelos' input here). Angelos will definitely have two support staff (accountant and admin) once he arrives. He envisions a large operation like Manos.  
>>  
>> I happened to talk with Vincent Mooney last week, and he gave me an idea of his need for expansion (lab space for his ROTC project and space for graduate students). Are there other cybersecurity faculty in Klaus who need more space?  
>>  
>> RB>>Yes, Brendan Saltaformaggio is having some early successes and is growing.  
>>  
>> Hiring for new faculty in cybersecurity has been stated as a top priority by CoC, ECE, and Ivan Allen College. We need to make sure we have room to add more research groups.  
>>  
>> RB>>Agreed. I think ECE has committed to hiring one security faculty member every other year for the next 6-8 yrs.  
>>  
>> How does all of this sound? Sorry that it is so poorly organized at this point.  
>>  
>> RB>>Sounds good. I like the overall strategy.  
>>  
>> Thanks,  
>> Doug  
>>  
>> -----  
>> Doug Williams

>> Professor and Associate Dean for Administration and Finance  
>> College of Engineering  
>> Georgia Institute of Technology  
>> Atlanta, GA 30332-0360  
>> 404-894-9832

>>  
doug.williams@gatech.edu <mailto:doug.williams@gatech.edu> <mailto:doug.williams@gatech.edu> <mailto:doug.williams@gatech.edu>

>>  
>>  
>> [<http://gatech.infoready4.com/PlatformServicesV2/Commons/getImage/e529218e-a6f5-4cb5-8b56-8dca69b47fa3.png>]  
>>

>> Application  
>>  
>> Management

>>  
>>  
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>>  
>>  
>>  
>>

>> We are pleased to announce that we are now accepting applications for proposed Research Neighborhoods for Coda Backfill Space. Click on the link below to view more information or to apply. Thank you!

>>  
>>

>> \* Internal Submission Deadline: Monday, April 30, 2018

>> \* Award Cycle: 2018

>> \* Description:

>>  
>> Application for new or reconfigured research neighborhoods leveraging CODA backfill space

>>  
>> The space that will become available across campus when CODA opens creates a significant and unique opportunity to strategically allocate the available space for outstanding needs or new initiatives. All campus buildings and space are Institute assets, and space assignments will be determined through a holistic Institute approach. The Institute recognizes that, in typical operations, a small proportion of space (~5-10%) should be maintained within any portfolio (college, school, IRI, center, unit, etc.) to allow for personnel turnover and minor adjustment within the unit level. However, larger capital projects, particularly ones that free up considerable space, present opportunities for strategic realignment. The backfill space provided by the move to CODA represents this latter kind of opportunity.

>>  
>>  
>>

>> Space Allocation Principles Related to CODA Backfill:

>>

>> 1. Space will be allocated in such a way to co-locate research programs and personnel with overlapping areas of focus, creating thematic neighborhoods and encouraging collaboration.

>>

>> 2. The remaining occupants of a building or unit may be reorganized strategically, allowing for consolidation, before the released space is reallocated.

>>

>> 3. A subset of the released space may be reserved by the Institute as swing space for upcoming projects.

>>

>> 4. Small amounts of space liberated by individuals moving to CODA may be retained by the units that previously controlled that space.

>>  
>>  
>>

>> Research Neighborhood Proposal Process:

>>

>> • Any group of Georgia Tech faculty can apply for use of backfill space as a research neighborhood, not only those associated with the move to a new building or those adjacent to the vacated space.

>>

>> • Groups requesting allocation of the released space will need to demonstrate a documented need and a strategic vision as a research neighborhood. The request will be submitted using a standard application (attached to this solicitation), including approvals from school chairs and college deans to whom neighborhood faculty report, or directors of GTRI/IRIs, for faculty reporting to those units. Only requests that have the support of relevant chair(s), dean(s), and/or director(s) will proceed.

>>

>> • A faculty-led committee will review applications and make recommendations on strategic space reorganization and allocation, considering the principles established above.

>>

>> • The Space Committee consisting of the Provost, EVPR, and EVPA&F will approve or reject the recommendations.

>>

>> Faculty who wish to apply to locate a new or reconfigured research neighborhood in this space should complete the application available in the link below, with all required signatures and submit it through the GT internal competition system.

>>

>> Questions should be directed to the committee co-chairs, Julia Kubanek

julia.kubanek@biosci.gatech.edu <mailto:julia.kubanek@biosci.gatech.edu> <mailto:julia.kubanek@biosci.gatech.edu> <mailto:julia.kubanek@biosci.gatech.edu> <mailto:julia.kubanek@biosci.gatech.edu> or Chris

Joneschristopher.jones@chbe.gatech.edu <mailto:Joneschristopher.jones@chbe.gatech.edu> <mailto:Joneschristopher.jones@chbe.gatech.edu> <mailto:Joneschristopher.jones@chbe.gatech.edu>

>>

>>

>>

>> View competition <<http://gatech.infoready4.com/CompetitionSpace/#competitionDetail/1770517>>

>>

>> <AntonakakisKeromytisSpaceApplication.pdf>

>>

>>

>> <AntonakakisKeromytisSpaceApplication\_v2.pdf>

>

> <AntonakakisKeromytisSpaceApplication\_v3.pdf>



From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Sunday, March 25, 2018 1:50:00 PM  
To: Lee, Wenke <wenke@cc.gatech.edu>; Angelos D. Keromytis [REDACTED]  
CC: Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; Doan, Trinh T <trinh.doan@iisp.gatech.edu>  
Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

Wenke, you are correct. In coordination with COE, we will be requesting space for the (current and future) attribution/security research in ECE. We have the support from the the college down to the department level --- I think we have a good chance to get enough space for both our office/lab space but also datacenter/infrastructure needs. If we need more pressure we will have to take you up on you offer to help.

That being said, both Angelos and I would love to remain heavily involved with the IISP --- so hoteling space at CODA sounds great.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Lee, Wenke  
Sent: Monday, March 19, 2018 1:46:28 PM  
To: Antonakakis, Manos; Angelos D. Keromytis  
Cc: Farrell, Michael D; Doan, Trinh T  
Subject: Fw: Announcing Research Neighborhood Application for Coda Backfill Space

I suppose the "group" requesting the space can be ECE (but that would seem to defeat the spirit of the announcement below) or your Attribution center/group (because that fits the definition of a "research neighborhood"). For the later, please let us know if we can help, e.g., adding more names (e.g., any SCS/ECE/GTRI folks interested in this area of research, even if they just need "hoteling" in your requested space) may bolster your case.

Wenke

---

From: Roche, Susan M  
Sent: Monday, March 19, 2018 12:01 PM  
Cc: Hanson, Crystal  
Subject: FW: Announcing Research Neighborhood Application for Coda Backfill Space

The message is being sent to all Deans, Chairs, ADRs and IRI Directors, via BCC.

Please share as appropriate.

<http://gatech.infoready4.com/PlatformServicesV2/Commons/getImage/e529218e-a6f5-4cb5-8b56-8dca69b47fa3.png>

Application

Management

We are pleased to announce that we are now accepting applications for proposed Research Neighborhoods for Coda Backfill Space. Click on the link below to view more information or to apply. Thank you!

\* Internal Submission Deadline: Monday, April 30, 2018

\* Award Cycle: 2018

\* Description:

Application for new or reconfigured research neighborhoods leveraging CODA backfill space

The space that will become available across campus when CODA opens creates a significant and unique opportunity to strategically allocate the available space for outstanding needs or new initiatives. All campus buildings and space are Institute assets, and space assignments will be determined through a holistic Institute approach. The Institute recognizes that, in typical operations, a small proportion of space (~5-10%) should be maintained within any portfolio (college, school, IRI, center, unit, etc.) to allow for personnel turnover and minor adjustment within the unit level. However, larger capital projects, particularly ones that free up considerable space, present opportunities for strategic realignment. The backfill space provided by the move to CODA represents this latter kind of opportunity.

Space Allocation Principles Related to CODA Backfill:

1. Space will be allocated in such a way to co-locate research programs and personnel with overlapping areas of focus, creating thematic neighborhoods and encouraging collaboration.
2. The remaining occupants of a building or unit may be reorganized strategically, allowing for consolidation, before the released space is reallocated.
3. A subset of the released space may be reserved by the Institute as swing space for upcoming projects.
4. Small amounts of space liberated by individuals moving to CODA may be retained by the units that previously controlled that space.

Research Neighborhood Proposal Process:

- Any group of Georgia Tech faculty can apply for use of backfill space as a research neighborhood, not only those associated with the move to a new building or those adjacent to the vacated space.
- Groups requesting allocation of the released space will need to demonstrate a documented need and a strategic vision as a research neighborhood. The request will be submitted using a standard application (attached to this solicitation), including approvals from school chairs and college deans to whom neighborhood faculty report, or directors of GTRI/IRIs, for faculty reporting to those units. Only requests that have the support of relevant chair(s), dean(s), and/or director(s) will proceed.

- A faculty-led committee will review applications and make recommendations on strategic space reorganization and allocation, considering the principles established above.
- The Space Committee consisting of the Provost, EVPR, and EVPA&F will approve or reject the recommendations.

Faculty who wish to apply to locate a new or reconfigured research neighborhood in this space should complete the application available in the link below, with all required signatures and submit it through the GT internal competition system.

Questions should be directed to the committee co-chairs, Julia Kubanek  
julia.kubanek@biosci.gatech.edu <mailto:julia.kubanek@biosci.gatech.edu> or Chris Jones  
christopher.jones@chbe.gatech.edu <mailto:christopher.jones@chbe.gatech.edu>

View competition <<http://gatech.infoready4.com/CompetitionSpace/#competitionDetail/1770517>>

Regards,

Susan Roche, MS, CRA

Research Administration Manager

Georgia Institute of Technology

Office of the Executive Vice President for Research

Evans Administration Building (Tech Tower) | Suite 001 | 225 North Avenue, NW | Atlanta, GA 30332-0325

404.894.8802 | susan.roche@gatech.edu <mailto:susan.roche@gatech.edu>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, April 30, 2018 1:08:25 PM  
To: Romberg, Justin <jrom@ece.gatech.edu>  
CC: Williams, Douglas B <douq.williams@coe.gatech.edu>; Beck, Harry L <harry.beck@ece.gatech.edu>; Angelos D. Keromytis <[REDACTED]>; Beyah, Raheem A <rbeyah@ece.gatech.edu>  
Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

Harry, will you sign the last version I sent to Justin or Raheem will?

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Friday, April 27, 2018 4:12:04 PM  
To: Romberg, Justin  
Cc: Williams, Douglas B; Beck, Harry L; Angelos D. Keromytis; Beyah, Raheem A  
Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

Justin, many thanks for your comments. I have incorporated most of them in the attached version.

The only thing I did not incorporate is your point about at this point being only Angelos and I. This is a point of weakness, however, it is kind of hard to avoid it for two reasons.

First, most of the faculty have been "recruited" by the various IIRs and signed up to move to Coda. I could act maliciously and try to strong-arm people to sign up, however I do not see any benefit from doing this. I would like people to want to participate in the new center because of the work we do, not because of political pressure.

Second, I cannot sign up the 4 faculty that were promised to Angelos because simply they are future hires. I suspect however, that when COE promised these faculty to Angelos, they realized that they will need to be located somewhere. My understanding is that Angelos has communicated a very similar (to this center) vision to the Dean and the GRA folks -- with all of them being supportive and on the same page. Now, if the committee thinks that these promises (which are in his offer letter) are not enough, I am not quite sure what signal GT is sending to a very senior faculty like Angelos.

Finally, and my apologies if I come across a bit arrogant or cynic, I can think of 43M hard and tangible reasons why this is a better proposal than all the other ones when it comes to utilizing vacated space. :)

We are creating a new research area, we are building bridges with the IC that even GTRI does not have currently, we will be bring in new faculty to expand this new research area, we are self funding the center, the only thing we ask is enough space to place our people and hardware. To me, it looks like a very reasonable request --- especially when we are not requesting the newest and in highest demand space (see Coda).

Fair?

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Romberg, Justin  
Sent: Friday, April 27, 2018 3:44:54 PM  
To: Antonakakis, Manos  
Cc: Williams, Douglas B; Beck, Harry L; Angelos D. Keromytis; Beyah, Raheem A  
Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

Hi Manos,

Some feedback below ...

-Justin

—

In "Vision and Justification":

This is good. To make it perfectly clear, you might want to label the paragraph(s) with a bolded Strategic Vision:, Recent and Projected Growth:, Synergies with Industry and Government:, etc. This will leave no doubt that your proposal addresses all of these in a very strong way.

The main pushback on this is going to be that there are only two concrete faculty associated with the neighborhood at this point in time. You might want to have some convincing specifics in the "Recent and Projected Growth" about the hiring strategy that Angelos/you have agreed on with ECE/CoE. The word "promise(d)" seems too informal in the places it appears; it makes an outsider wonder what the nature of the agreement is.

I would use more direct language in the "Specific building requested". Just say "We prefer to stay in Klaus because [insert reason]. We would also consider the Rich building if appropriate renovations can be made."

It is unclear what "4x6" means in "Future Faculty Needs".

In "Critical Adjacencies": If there is a specific research neighborhood in Klaus that you want to be adjacent to, you should state it.

> On Apr 27, 2018, at 3:38 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Sorry, didn't save before sending. This is the final.

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_

> From: Antonakakis, Manos

> Sent: Friday, April 27, 2018 3:36:40 PM

> To: Williams, Douglas B

> Cc: Beck, Harry L; Romberg, Justin; Angelos D. Keromytis; Beyah, Raheem A

> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>

> Hey Doug,

>

> The application is revised per your request. We just need Raheem's signature at this point.

>

> Thanks,

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_  
> From: Williams, Douglas B  
> Sent: Friday, April 27, 2018 3:23:11 PM  
> To: Antonakakis, Manos  
> Cc: Beck, Harry L; Romberg, Justin; Angelos D. Keromytis; Beyah, Raheem A  
> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>  
> Manos -

>  
> I don't believe it is necessary to request hoteling space in Coda. Several of the groups there, including IISP, will have hoteling space that you'd be able to use. I see where you added some more text about hoteling and the Rich server room, which is good. If it's possible to add another line for space needs (under the line for Future Faculty Needs) for a number of hoteling offices, that would be good, too. Just in case someone goes through the proposal and tabulates the list of spaces requested in that section, it would be good to have the hoteling request there.

>  
> Regards,

> Doug

>

> -----

> Doug Williams

> Professor and Associate Dean for Administration and Finance

> College of Engineering

> Georgia Institute of Technology

> Atlanta, GA 30332-0360

> 404-894-9832

> doug.williams@gatech.edu <mailto:doug.williams@ece.gatech.edu>

>

> On Apr 27, 2018, at 2:53 PM, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

>

> Yeah, good point Harry.

>

> —

> Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_

> From: Beck, Harry L

> Sent: Friday, April 27, 2018 2:22:57 PM

> To: Antonakakis, Manos; Williams, Douglas B; Romberg, Justin

> Cc: Angelos D. Keromytis; Beyah, Raheem A

> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>

> I do not know how we can request specific rooms at this point if we do not know which rooms are being vacated (i.e. Klaus).

>

>

> Harry L. Beck

>

> Director of Operations

>

> School of Electrical & Computer Engineering

>

> Office 404-894-4733

>

> Cell 678-642-4680

>

>

> \_\_\_\_\_

> From: Antonakakis, Manos

> Sent: Friday, April 27, 2018 2:10 PM

> To: Williams, Douglas B; Beck, Harry L; Romberg, Justin

> Cc: Angelos D. Keromytis; Beyah, Raheem A

> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>

> Actually, here we go.

>

> Harry; added your text, and called out the datacenter rooms explicitly --- 133 is the normal, and the 133(b) is the secure space for Angelo's project. Had to change the text a bit to make it fit. Please take a look and let me know if you like it.

Thanks.

>

> Doug; called out the hoteling space at Klaus we want. Not sure what I should place for Coda, as I am not aware of room numbers etc.

>

> Harry/Doug; should we be calling out the exact rooms and space we are requesting from Rich (outside the datacenter space) or not? I am not sure how precise we need to be with this. I can spend my Saturday matching our needs with exact rooms in Rich, because Harry sent me the floor-plans. However, with everything else going on at the moment, I rather not do that. What your advice would be?

>

> Gentlemen, unless we Harry, Doug or Justin thinks we should add/change something, we are ready. We just need Raheem's signature.

>

> Thanks,

>

> —

> Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_

> From: Antonakakis, Manos

> Sent: Friday, April 27, 2018 1:30:30 PM

> To: Williams, Douglas B

> Cc: Beck, Harry L; Angelos D. Keromytis; Beyah, Raheem A

> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>

> Doug, thanks for the feedback. I will incorporate everything over the weekend and send this to you first thing Monday morning.

>

> This way, we will give some time to Justin to provide some feedback (we are already talking with him in a different thread with Harry).

>

> Many thanks,

>

> —

> Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_

> From: Williams, Douglas B

> Sent: Friday, April 27, 2018 1:18:23 PM

> To: Antonakakis, Manos

> Cc: Beck, Harry L; Angelos D. Keromytis; Beyah, Raheem A

> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>

> Manos -

>

> Here's the second page with my signature.

>

> Just saw Harry's comment. That looks good. I'll check with Didier to see if he and I should submit another backfill proposal to formally request the server room.

>

> Regarding the hoteling space, it would also be good to list the hoteling offices at the end of the list of space needs. That way, it won't get lost if someone is going through the proposals quickly and adding up the space requests.

>

> Justin Romberg is COE's representative on the campus space committee. If you want comments from him before submitting this proposal, I'm sure he'd be glad to read over it.

>

> I didn't see Raheem on your last email, but I've included him here so he can sign, too.

>

> Thanks,

> Doug

>

> -----

> Doug Williams

> Professor and Associate Dean for Administration and Finance

> College of Engineering

> Georgia Institute of Technology

> Atlanta, GA 30332-0360

> 404-894-9832

> [doug.williams@gatech.edu](mailto:doug.williams@gatech.edu) <<mailto:doug.williams@gatech.edu>> <<mailto:doug.williams@gatech.edu>>

>

>

> On Apr 27, 2018, at 11:32 AM, Antonakakis, Manos

<[manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> > wrote:

>

> Thanks both of you for the feedback. Attached please find the application, signed by me (on behalf of Angelos cced --- he is on the road traveling at the moment).

>

> Once it is signed (Doug and Raheem?), I will submit it from my GT account.

>

> Thanks,

>

> —

> Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>>

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_



> From: Beck, Harry L  
> Sent: Friday, April 27, 2018 11:07:45 AM  
> To: Williams, Douglas B  
> Cc: Antonakakis, Manos  
> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>  
> Manos,  
>  
>  
> While you are editing please put your name on line 2 as the contact in place of the neighborhood name. Thanks.

>  
> Harry L. Beck  
>  
> Director of Operations  
>  
> School of Electrical & Computer Engineering  
>  
> Office 404-894-4733  
>  
> Cell 678-642-4680

> \_\_\_\_\_  
> From: Williams, Douglas B  
> Sent: Friday, April 27, 2018 10:44 AM  
> To: Beck, Harry L  
> Cc: Antonakakis, Manos  
> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space

>  
> I think it would be better to submit individually. Manos is the lead contact, so it may be best for him to submit. Also, individuals can submit a maximum of 3 proposals, which limits how many I can submit. I can sign for College Dean spot at the bottom.

>  
> Here are a few thoughts on the proposal:  
> - Manos should be listed as a faculty occupant, too.  
> - I think it would be good to ask for a few 'hoteling' offices. Wenke has asked about that possibility for IISP faculty who are based in Coda but will be visiting campus occasionally. Yesterday, GTRI also asked about hoteling space. Those offices would be good for interactions across campus in general. Also, if the neighborhood becomes squeezed for space in the future (given its growth, that's bound to happen) those offices could be used to accommodate expansion.  
> - No matter where this neighborhood is located, I think we should request one of OIT's server rooms in Rich. That would be good for this neighborhood, would allow the College to move out of the A. French server room, and could support future educational and research efforts in Rich. Do you think that would go better as part of this proposal or as a separate proposal?

>  
> Thanks,  
> Doug  
>  
> -----  
> Doug Williams  
> Professor and Associate Dean for Administration and Finance  
> College of Engineering  
> Georgia Institute of Technology  
> Atlanta, GA 30332-0360  
> 404-894-9832

>  
doug.williams@gatech.edu <mailto:doug.williams@gatech.edu> <mailto:doug.williams@gatech.edu> <mailto:doug.williams@



> Professor and Associate Dean for Administration and Finance  
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> 404-894-9832  
>  
> doug.williams@gatech.edu <mailto:doug.williams@gatech.edu> <mailto:doug.williams@gatech.edu> <mailto:doug.williams@>  
>  
> On Apr 23, 2018, at 2:00 PM, Antonakakis, Manos  
<manos@gatech.edu <mailto:manos@gatech.edu> <mailto:manos@gatech.edu> <mailto:manos@gatech.edu> <mailto:manos@>  
wrote:  
>  
> OK, Harry thanks. I looked around the site and I found nothing related.  
>  
> I will keep it short -- a couple of pages.  
>  
> —  
> Manos Antonakakis | manos@gatech.edu <  
<mailto:manos@gatech.edu>> <mailto:manos@gatech.edu> <mailto:manos@gatech.edu> <mailto:manos@gatech.edu>  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_  
> From: Beck, Harry L  
> Sent: Monday, April 23, 2018 1:53:35 PM  
> To: Antonakakis, Manos  
> Cc: Williams, Douglas B  
> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>  
> My sense is that this is basically a white paper type of input. Per the solicitation it should include a documentation of  
the need and a strategic vision for the research neighborhood. It does mention a standard form being attached but I  
cannot find it. I will investigate and send it to you if I am able to locate it.  
>  
>  
> Harry L. Beck  
>  
> Director of Operations  
>  
> School of Electrical & Computer Engineering  
>  
> Office 404-894-4733  
>  
> Cell 678-642-4680  
>  
>  
> \_\_\_\_\_  
> From: Antonakakis, Manos  
> Sent: Monday, April 23, 2018 1:08 PM  
> To: Beck, Harry L  
> Cc: Williams, Douglas B  
> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>  
> Harry, I was planning to work this week on this. Last few weeks was traveling and was too busy.  
>  
> Do we have a sense of how lengthy this needs to be and of any general template for the application?  
>

> Thanks,  
>  
> —  
> Manos Antonakakis | manos@gatech.edu <  
<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>>  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_

> From: Beck, Harry L  
> Sent: Monday, April 23, 2018 1:06:01 PM  
> To: Antonakakis, Manos  
> Cc: Williams, Douglas B  
> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>

> I thought you were working on it with input from Angelos. I have not done anything with it. Let's check with Doug (copied) to see if he wants ECE to do it or if he is planning on doing something for cyber at the COE level.  
>  
>

> Harry L. Beck  
>  
> Director of Operations  
>  
> School of Electrical & Computer Engineering  
>  
> Office 404-894-4733  
>  
> Cell 678-642-4680  
>  
>  
> \_\_\_\_\_

> From: Antonakakis, Manos  
> Sent: Monday, April 23, 2018 1:02 PM  
> To: Beck, Harry L; Williams, Douglas B; Beyah, Raheem A  
> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>

> Harry, do you still need me to come up with a proposal of this backfill space, of you will be handling that?  
>

> Thanks,  
>  
> —

> Manos Antonakakis | manos@gatech.edu <  
<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>> <<mailto:manos@gatech.edu>>  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_

> From: Beck, Harry L  
> Sent: Thursday, April 19, 2018 8:51:04 PM  
> To: Williams, Douglas B; Beyah, Raheem A  
> Cc: Antonakakis, Manos  
> Subject: Re: Announcing Research Neighborhood Application for Coda Backfill Space  
>

> Just an aside, Brendan is now planning to move to CODA with Wenke. I found this out a week ago.  
>  
>



> How much space should we request? Here is the information that Dave Stoutamire put together earlier for Manos and Angelos's relatively near term needs:

>

> Please see the chart below which summarizes the requirements.

>

>

>

> Current Manos Team

>

> Manos Increase Due to Grant

>

> Planned Angelos Team

>

> Total

>

> Principal Investigator

>

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> Since cybersecurity is a growing field at Ga Tech, it is highly likely these figures could grow. Hence, I recommend an appropriate factor be added for growth.

>  
> One of the requirements of the grant is that the research be conducted in a controlled access area. Hence, it is desirable for the team to be located within a contiguous area with controlled access.

>  
> I assume we want to request more for Manos and Angelos, but how much more?

>  
> RB>>Manos, we need your (and possibly Angelos' input here). Angelos will definitely have two support staff (accountant and admin) once he arrives. He envisions a large operation like Manos.

>  
> I happened to talk with Vincent Mooney last week, and he gave me an idea of his need for expansion (lab space for his ROTC project and space for graduate students). Are there other cybersecurity faculty in Klaus who need more space?

>  
> RB>>Yes, Brendan Saltaformaggio is having some early successes and is growing.

>  
> Hiring for new faculty in cybersecurity has been stated as a top priority by CoC, ECE, and Ivan Allen College. We need to make sure we have room to add more research groups.

>  
> RB>>Agreed. I think ECE has committed to hiring one security faculty member every other year for the next 6-8 yrs.  
>  
> How does all of this sound? Sorry that it is so poorly organized at this point.  
>  
> RB>>Sounds good. I like the overall strategy.  
>  
> Thanks,  
> Doug  
>  
> -----  
> Doug Williams  
> Professor and Associate Dean for Administration and Finance  
> College of Engineering  
> Georgia Institute of Technology  
> Atlanta, GA 30332-0360  
> 404-894-9832  
>  
> doug.williams@gatech.edu<mailto:doug.williams@gatech.edu><mailto:doug.williams@gatech.edu><mailto:doug.williams@>  
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> [<http://gatech.infoready4.com/PlatformServicesV2/Commons/getImage/e529218e-a6f5-4cb5-8b56-8dca69b47fa3.png>]  
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> Application  
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> Management  
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>  
> We are pleased to announce that we are now accepting applications for proposed Research Neighborhoods for Coda Backfill Space. Click on the link below to view more information or to apply. Thank you!  
>  
>  
> \* Internal Submission Deadline: Monday, April 30, 2018  
> \* Award Cycle: 2018  
> \* Description:  
>  
> Application for new or reconfigured research neighborhoods leveraging CODA backfill space  
>  
> The space that will become available across campus when CODA opens creates a significant and unique opportunity to strategically allocate the available space for outstanding needs or new initiatives. All campus buildings and space are Institute assets, and space assignments will be determined through a holistic Institute approach. The Institute recognizes that, in typical operations, a small proportion of space (~5-10%) should be maintained within any portfolio (college, school, IRI, center, unit, etc.) to allow for personnel turnover and minor adjustment within the unit level. However, larger capital projects, particularly ones that free up considerable space, present opportunities for strategic realignment. The backfill space provided by the move to CODA represents this latter kind of opportunity.  
>  
>  
>  
> Space Allocation Principles Related to CODA Backfill:  
>  
> 1. Space will be allocated in such a way to co-locate research programs and personnel with overlapping areas of focus, creating thematic neighborhoods and encouraging collaboration.  
>



> 2. The remaining occupants of a building or unit may be reorganized strategically, allowing for consolidation, before the released space is reallocated.

>

> 3. A subset of the released space may be reserved by the Institute as swing space for upcoming projects.

>

> 4. Small amounts of space liberated by individuals moving to CODA may be retained by the units that previously controlled that space.

>

>

>

> Research Neighborhood Proposal Process:

>

> • Any group of Georgia Tech faculty can apply for use of backfill space as a research neighborhood, not only those associated with the move to a new building or those adjacent to the vacated space.

>

> • Groups requesting allocation of the released space will need to demonstrate a documented need and a strategic vision as a research neighborhood. The request will be submitted using a standard application (attached to this solicitation), including approvals from school chairs and college deans to whom neighborhood faculty report, or directors of GTRI/IRIs, for faculty reporting to those units. Only requests that have the support of relevant chair(s), dean(s), and/or director(s) will proceed.

>

> • A faculty-led committee will review applications and make recommendations on strategic space reorganization and allocation, considering the principles established above.

>

> • The Space Committee consisting of the Provost, EVPR, and EVPA&F will approve or reject the recommendations.

>

> Faculty who wish to apply to locate a new or reconfigured research neighborhood in this space should complete the application available in the link below, with all required signatures and submit it through the GT internal competition system.

>

> Questions should be directed to the committee co-chairs, Julia Kubanek

julia.kubanek@biosci.gatech.edu <mailto:julia.kubanek@biosci.gatech.edu> <mailto:julia.kubanek@biosci.gatech.edu> <mailto:julia.kubanek@biosci.gatech.edu> <mailto:julia.kubanek@biosci.gatech.edu> or Chris

Joneschristopher.jones@chbe.gatech.edu <mailto:Joneschristopher.jones@chbe.gatech.edu> <mailto:Joneschristopher.jones@chbe.gatech.edu> <mailto:Joneschristopher.jones@chbe.gatech.edu>

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> View competition <<http://gatech.infoready4.com/CompetitionSpace/#competitionDetail/1770517>>

>

> <AntonakakisKeromytisSpaceApplication.pdf>

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> <AntonakakisKeromytisSpaceApplication\_v2.pdf>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, November 27, 2018 6:13:14 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: Apple Watch

In DC, sorry Arxige.

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Tuesday, November 27, 2018 12:50:03 PM  
To: Antonakakis, Manos  
Subject: Apple Watch

If you're still at GT, can you get my Apple Watch from Will and bring it with you? (If not, no big deal.)  
Thanks,  
-Angelos

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Tuesday, November 27, 2018 8:01:29 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Subject: Re: Apple Watch

No problem.

Dr. Angelos D. Keromytis  
Program Manager  
DARPA / Information Innovation Office (I2O)  
675 N Randolph Street  
Arlington, VA 22203

(T) 571-218-4290  
(NSTS) 918-6691

(NIPR) angelos.keromytis@darpa.mil <mailto:angelos.keromytis@darpa.mil>  
(SIPR) angelos.keromytis@darpa.smil.mil <mailto:angelos.keromytis@darpa.smil.mil>  
(JWICS) angelos.keromytis@darpa.ic.gov <mailto:angelos.keromytis@darpa.ic.gov>

On Nov 27, 2018, at 1:13 PM, Antonakakis, Manos <manos@gatech.edu <mailto:manos@gatech.edu>> wrote:

In DC, sorry Arxige.

—  
Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil <mailto:angelos.keromytis@darpa.mil>>  
Sent: Tuesday, November 27, 2018 12:50:03 PM  
To: Antonakakis, Manos  
Subject: Apple Watch

If you're still at GT, can you get my Apple Watch from Will and bring it with you? (If not, no big deal.)  
Thanks,  
-Angelos

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, April 25, 2018 12:20:07 AM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; tejas@kududyn.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, April 25, 2018 12:20:06 AM

Subject: Re: Army data for attribution analysis at GT (Manos)

Attachments: Nameless.txt (1.13 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, April 24, 2018 11:59:03 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; tejas@kududyn.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, April 24, 2018 11:59:03 PM

Subject: Re: Army data for attribution analysis at GT (Manos)

Attachments: Nameless.txt (3.84 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, April 25, 2018 7:21:45 PM  
To: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; tejas@kududyn.com  
Subject: Re: Army data for attribution analysis at GT (Manos)

In those clusters and interwebs we trust!

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Sent: Wednesday, April 25, 2018 2:19:34 PM  
To: Antonakakis, Manos; Keromytis, Angelos  
Cc: Farrell, Michael D; tejas@kududyn.com  
Subject: RE: Army data for attribution analysis at GT (Manos)

The DARPA cluster beat you to the punch. We were able to link the tall skinny persona to the individual Jason Stambaugh hours ago. :)

Chris Schneck  
DARPA I2O SETA  
Office: 571-218-4429  
Cell: 571-524-3821

-----Original Message-----

From: Antonakakis, Manos <manos@gatech.edu>  
Sent: Wednesday, April 25, 2018 2:16 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Cc: Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; tejas@kududyn.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Re: Army data for attribution analysis at GT (Manos)

STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>

To be precise --- he just emailed me. :)

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Tuesday, April 24, 2018 8:20:07 PM  
To: Antonakakis, Manos  
Cc: Farrell, Michael D; tejas@kududyn.com; Schneck, Christopher (contr-i2o)  
Subject: Re: Army data for attribution analysis at GT (Manos)

The San Antonio person was AFOSI.

> On Apr 24, 2018, at 20:13, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Cool.

>

> Chris, I would suggest we invite the following people:

> - The guys from Cyber Protection Brigade (Whalen, Daniel J CW2 USARMY CYBER PRO BDE (US) <daniel.j.whalen14.mil@mail.mil> and his team).

> - The guys from NSA at FG (Wilson, Ryan D CIV (US) <ryan.d.wilson38.civ@mail.mil>, Tran, T T CIV (US) <thaotanh.t.tran.civ@mail.mil> and their teams).

> - The guys from FM. I guess Michael can help you with the names or you can reach to Scott (scotttaylor31415@gmail.com) to get them directly.

>

> There was a gentleman in the HACCS meeting from an Air Base in San Antonio \*very interested\* in our APT28/Sofacy analysis. He asked me if he can attend the next EA PI meeting, and I said sure. He had no card on him and I do not remember his name. If someone can identify who this tall, skinny guy was, we should invite him as well.

>

> Michael, am I forgetting anyone?

>

> -

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, April 25, 2018 1:16:57 AM  
To: Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>; tejas@kududyn.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Re: Army data for attribution analysis at GT (Manos)

Perhaps we invite the local FBI folks? Chad and team?

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Farrell, Michael <Michael.Farrell@gtri.gatech.edu>  
Sent: Tuesday, April 24, 2018 8:15:15 PM  
To: Antonakakis, Manos  
Cc: Keromytis, Angelos; tejas@kududyn.com; Schneck, Christopher (contr-i2o)  
Subject: Re: Army data for attribution analysis at GT (Manos)

This is a good list. We can always add more as we remember or discover them.

The room holds 100 snugly, 80 comfortably.

—MF

> On Apr 25, 2018, at 01:13, Antonakakis, Emmanouil K <manos@gatech.edu> wrote:

>

> Cool.

>

> Chris, I would suggest we invite the following people:

> - The guys from Cyber Protection Brigade (Whalen, Daniel J CW2 USARMY CYBER PRO BDE (US) <daniel.j.whalen14.mil@mail.mil> and his team).

> - The guys from NSA at FG (Wilson, Ryan D CIV (US) <ryan.d.wilson38.civ@mail.mil>, Tran, T T CIV (US) <thaothan.h.t.tran.civ@mail.mil> and their teams).

> - The guys from FM. I guess Michael can help you with the names or you can reach to Scott (scotttaylor31415@gmail.com) to get them directly.

>

> There was a gentleman in the HACCS meeting from an Air Base in San Antonio \*very interested\* in our APT28/Sofacy analysis. He asked me if he can attend the next EA PI meeting, and I said sure. He had no card on him and I am do not remember his name. If someone can identify who this tall, skinny guy was, we should invite him as well.

>

> Michael, am I forgetting anyone?

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

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>



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, April 25, 2018 12:20:30 AM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; tejas@kududyn.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, April 25, 2018 12:20:29 AM

Subject: Re: Army data for attribution analysis at GT (Manos)

Attachments: Nameless.txt (1.86 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, August 30, 2018 9:47:49 PM  
To: Riley, Theresa <Theresa.Riley@team.neustar>; Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Re: Availability for tomorrow with Venkat

Theresa, I can do 15.00-16.00 ET tomorrow.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Riley, Theresa <Theresa.Riley@team.neustar>  
Sent: Thursday, August 30, 2018 4:46:34 PM  
To: Antonakakis, Manos; Joffe, Rodney  
Subject: Availability for tomorrow with Venkat

Good afternoon gentlemen. Venkat would like to have a call either from 2:00 – 3:00 p.m. Eastern or 3:00 – 4:00 p.m. Eastern. Would you be able to accommodate either of those times tomorrow?

Please let me know and I will send out a calendar invite.

Thanks,  
Theresa

From: Angelos D. Keromytis [REDACTED] >  
Sent on: Wednesday, May 2, 2018 10:33:01 AM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: Re: Blackhat and DoD

That depends on what they (MS) want to do. As far as I know, JEDI is more on cloud infrastructure and the mechanics of data access than on actual analytics, but I could be wrong.

> On May 1, 2018, at 4:34 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Any idea what this JEDI project is all about? If yes, do we want to work with MS on this?

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_

> From: Gunter Ollmann [REDACTED]  
> Sent: Tuesday, May 1, 2018 1:15 PM  
> To: Antonakakis, Manos  
> Subject: Blackhat and DoD

>  
> Hey Manos,  
>  
> How are you doing? I hope things are going well and you're not having to travel too much. I'm doing a fair bit of conference travel last month and this month but will have the kids for the first 6 weeks of Summer vacation this year - so no work travel during that time! (although I'll be taking the kids to LA for a week to see Disneyland and Hollywood, and probably a few days crossing the border in to Vancouver too... but that'll be fun for me and the kids).

>  
> Will you be making it to Blackhat/DEFCON this year? Figured I'd ask again... my annual reminder that such an event exists :-)  
>  
> Also - are you aware of this big \$10b DoD JEDI strategy for cyber threat intelligence?

<https://fcw.com/articles/2018/04/27/jedi-senate-justify.aspx>  
> I thought you may be pulling together something for it. If not, maybe it'll be interesting to you if you can work through a major partner.

>  
> Take care.  
>  
> Cheers,  
>  
> Gunter

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, May 2, 2018 11:12:37 AM  
To: Angelos D. Keromytis [REDACTED]  
Subject: Re: Blackhat and DoD

Let me figure out more.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Angelos D. Keromytis [REDACTED]  
Sent: Wednesday, May 2, 2018 5:33:01 AM  
To: Antonakakis, Manos  
Subject: Re: Blackhat and DoD

That depends on what they (MS) want to do. As far as I know, JEDI is more on cloud infrastructure and the mechanics of data access than on actual analytics, but I could be wrong.

> On May 1, 2018, at 4:34 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Any idea what this JEDI project is all about? If yes, do we want to work with MS on this?

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> From: Gunter Ollmann [REDACTED]  
> Sent: Tuesday, May 1, 2018 1:15 PM  
> To: Antonakakis, Manos  
> Subject: Blackhat and DoD

> Hey Manos,

>  
> How are you doing? I hope things are going well and you're not having to travel too much. I'm doing a fair bit of conference travel last month and this month but will have the kids for the first 6 weeks of Summer vacation this year - so no work travel during that time! (although I'll be taking the kids to LA for a week to see Disneyland and Hollywood, and probably a few days crossing the border in to Vancouver too... but that'll be fun for me and the kids).

>  
> Will you be making it to Blackhat/DEFCON this year? Figured I'd ask again... my annual reminder that such an event exists :-)

>  
> Also - are you aware of this big \$10b DoD JEDI strategy for cyber threat intelligence?

<https://fcw.com/articles/2018/04/27/jedi-senate-justify.aspx>

> I thought you may be pulling together something for it. If not, maybe it'll be interesting to you if you can work through a major partner.

>  
> Take care.

>

> Cheers,  
>  
> Gunter

From: Angelos D. Keromytis [REDACTED]  
Sent on: Friday, November 9, 2018 12:28:30 AM  
To: dagon [REDACTED]  
CC: Farrell, Michael <Michael.Farrell@gtri.gatech.edu>; Manos Antonakakis <manos@gatech.edu>  
Subject: Re: Briefing synch  
Attachments: signature.asc (499 Bytes)

OK

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, November 28, 2018 9:37:15 PM  
To: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: Call w/ Brian Pierce

My bad. I am losing my mind.

Apologies.

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Sent: Wednesday, November 28, 2018 4:34:29 PM  
To: Antonakakis, Manos  
Cc: Keromytis, Angelos  
Subject: Re: Call w/ Brian Pierce

Dude, I called and gave you a heads up on this already. FBI case related

> On Nov 28, 2018, at 4:28 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Gents, any idea what this is about?

>

> Thanks,

>

> —

> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_  
> From: Wilkerson, Kiely (contr-i2o) <Christine.Wilkerson.ctr@darpa.mil>  
> Sent: Wednesday, November 28, 2018 4:12 PM  
> To: Antonakakis, Manos  
> Cc: Buggs, Ashley (contr-i2o)  
> Subject: Call w/ Brian Pierce

>

> Sir,

>

> Brian Pierce (I2O Office Director) would like to chat briefly this week.

>

> Are you available on Friday, November 30 at 1030 for a phone call?

>

> Kiely

>

> Kiely Wilkerson  
> DARPA I2O SETA

> (571) 218 - 4821 office

> (571) 213 - 4012 cell

>

>



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, June 19, 2018 9:11:10 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Smith, Jonathan <jonathan.smith@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, June 19, 2018 8:25:50 PM

Subject: Re: Centrulink data

Attachments: Nameless.txt (1.28 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, June 19, 2018 8:05:03 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Smith, Jonathan <jonathan.smith@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, June 19, 2018 8:04:42 PM

Subject: Re: Centrulink data

Attachments: Nameless.txt (732 Bytes)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, June 19, 2018 10:33:55 PM  
To: Smith, Jonathan <jonathan.smith@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Re: Centrulink data

I want one too JMS. :-)

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Smith, Jonathan <jonathan.smith@darpa.mil>  
Sent: Tuesday, June 19, 2018 5:31:23 PM  
To: Antonakakis, Manos; Keromytis, Angelos  
Cc: Schneck, Christopher (contr-i2o)  
Subject: Re: Centrulink data

Machine room for experiments in Monroe, LA:

-JMS

On 6/19/18, 5:14 PM, "Antonakakis, Manos" <manos@gatech.edu> wrote:

Yup. My thoughts exactly.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Tuesday, June 19, 2018 5:11:10 PM  
To: Antonakakis, Manos  
Cc: Smith, Jonathan; Schneck, Christopher (contr-i2o)  
Subject: Re: Centrulink data

That would be of extreme interest. Do. Not. Say. No.

> On Jun 19, 2018, at 16:06, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Yes. Apologies.

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_  
> From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
> Sent: Tuesday, June 19, 2018 4:05:03 PM  
> To: Antonakakis, Manos  
> Cc: Smith, Jonathan; Schneck, Christopher (contr-i2o)  
> Subject: Re: Centrulink data  
>  
> Do you mean Century Link?  
>  
>> On Jun 19, 2018, at 14:01, Antonakakis, Manos <manos@gatech.edu> wrote:  
>>  
>> Bill Bradley is the Senior Vice President, Cyber Engineering and Technical Service of Centrulink. Just walked out of my office and he wants to give me all their DNS and netflow data.  
>>  
>> To clarify, this includes all DoD network traffic (in late 2018 a contact was won by Centrulink to do this --- have no more details at this point) alongside several international networks, including the undersea cables that connect the various continents.  
>>  
>> Do I say yes, or no?  
>>  
>> —  
>> Manos Antonakakis | manos@gatech.edu  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, June 19, 2018 10:22:26 PM  
To: Smith, Jonathan <jonathan.smith@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Re: Centrulink data

Both DNS and Netflow from them will be a goldmine. The fact that they have international recursive traffic -- something that we only really get from Neustar -- is just mind blowing, JMS.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Smith, Jonathan <jonathan.smith@darpa.mil>  
Sent: Tuesday, June 19, 2018 5:18:55 PM  
To: Antonakakis, Manos; Keromytis, Angelos  
Cc: Schneck, Christopher (contr-i2o)  
Subject: Re: Centrulink data

CenturyLink.  
They are my performers in EdgeCT.  
Good people.  
Say Yes.  
-JMS

On 6/19/18, 2:01 PM, "Antonakakis, Manos" <manos@gatech.edu> wrote:

Bill Bradley is the Senior Vice President, Cyber Engineering and Technical Service of Centrulink. Just walked out of my office and he wants to give me all their DNS and netflow data.

To clarify, this includes all DoD network traffic (in late 2018 a contact was won by Centrulink to do this --- have no more details at this point) alongside several international networks, including the undersea cables that connect the various continents.

Do I say yes, or no?

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, June 19, 2018 9:30:27 PM

To: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>

CC: Antonakakis, Manos <manos@gatech.edu>; Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, June 19, 2018 9:30:25 PM

Subject: Re: Centrulink data

Attachments: Nameless.txt (1.8 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, July 12, 2018 10:41:57 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, July 12, 2018 10:41:48 PM

Subject: Re: CIA Case Study

Attachments: Nameless.txt (2.48 KB)

**From:** Angelos D. Keromytis <[REDACTED]>  
**Sent on:** Tuesday, June 12, 2018 11:10:15 PM  
**To:** Tejas Patel <tejas@kududyn.com>  
**CC:** [REDACTED] Manos Antonakakis <manos@gatech.edu>  
**Subject:** Re: CMU CyLab directorship

ROTFL

On Jun 12, 2018, at 18:08, Tejas Patel <[tejas@kududyn.com](mailto:tejas@kududyn.com)> wrote:

Yep... but remember what I'm gonna say if I go back to DARPA... and what I'm gonna say if I ever end up at GT in the future... :-)

Tejas Patel  
Principal investigator  
Kudu Dynamics  
+1 919-332-3191 (c)

[tejas@kududyn.com](mailto:tejas@kududyn.com)

On Tue, Jun 12, 2018 at 6:06 PM, Angelos D. Keromytis <[REDACTED]> wrote:

I know. I was just expressing feelings about being his replacement.

On Jun 12, 2018, at 18:04, Tejas Patel <[tejas@kududyn.com](mailto:tejas@kududyn.com)> wrote:

CyLab has an interim director right now. According to <https://www.cmu.edu/ir/cirp-people/faculty-affiliates/david-brumley.html> he was Director of CyLab so one assumes that was his last role...

Tejas Patel  
Principal investigator  
Kudu Dynamics  
+1 919-332-3191 (c)

[tejas@kududyn.com](mailto:tejas@kududyn.com)

On Tue, Jun 12, 2018 at 6:03 PM, Angelos D. Keromytis <[REDACTED]> wrote:

...

On Jun 12, 2018, at 18:01, Tejas Patel <[tejas@kududyn.com](mailto:tejas@kududyn.com)> wrote:

That would make you Brumley's replacement.

-Tejas

Tejas Patel  
Principal investigator  
Kudu Dynamics  
+1 919-332-3191 (c)

[tejas@kududyn.com](mailto:tejas@kududyn.com)



On Tue, Jun 12, 2018 at 5:23 PM, Angelos D. Keromytis

<[REDACTED]> wrote:

[REDACTED] would you prefer moving to Pittsburgh?  
(NOT!) :)

CMU is ranked #1 in computer science, after all.

I'm just privately amused that I'm reading this while  
at a Slayer concert.

-Angelos

Begin forwarded message:

**From:** Nicolas Christin <  
[nicolasc@andrew.cmu.edu](mailto:nicolasc@andrew.cmu.edu)>  
**Date:** June 12, 2018 at 09:31:02 EDT  
**To:** [angelos@cs.columbia.edu](mailto:angelos@cs.columbia.edu)

**Cc:** Peter Steenkiste <  
[prs@cs.cmu.edu](mailto:prs@cs.cmu.edu)>, Jonathan Cagan  
<[cagan@cmu.edu](mailto:cagan@cmu.edu)>  
**Subject:** CMU CyLab directorship

Hi, Angelos,

As you may have heard, Carnegie  
Mellon CyLab is looking for a new

director. I am on the search  
committee. We're looking for a  
leader

with an exemplary reputation in  
security and privacy research,

education and leadership.  
Unsurprisingly, your name came up.

I don't know if you'd be interested,  
but I'd be happy to talk with you

more, or I could share your CV  
confidentially with our search

committee if you have interest. I've  
attached a copy of our ad.

Best regards,

Nicolas

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, June 12, 2018 11:14:32 PM  
To: [REDACTED] Angelos D. Keromytis [REDACTED]  
CC: [REDACTED] tejas@kududyn.com  
Subject: Re: CMU CyLab directorship

[REDACTED], you mixed up the emojis. You should have sent them the middle finger.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: [REDACTED]  
Sent: Tuesday, June 12, 2018 5:56:48 PM  
To: Angelos D. Keromytis  
Cc: [REDACTED]; Antonakakis, Manos; tejas@kududyn.com  
Subject: Re: CMU CyLab directorship

□□

Sent from my iPhone

On Jun 12, 2018, at 5:23 PM, Angelos D. Keromytis [REDACTED] wrote:

[REDACTED], would you prefer moving to Pittsburgh? (NOT!) :)

CMU is ranked #1 in computer science, after all.

I'm just privately amused that I'm reading this while at a Slayer concert.  
-Angelos

Begin forwarded message:

From: Nicolas Christin <nicolasc@andrew.cmu.edu<mailto:nicolasc@andrew.cmu.edu>>  
Date: June 12, 2018 at 09:31:02 EDT  
To: angelos@cs.columbia.edu<mailto:angelos@cs.columbia.edu>  
Cc: Peter Steenkiste <prs@cs.cmu.edu<mailto:prs@cs.cmu.edu>>, Jonathan Cagan <cagan@cmu.edu<mailto:cagan@cmu.edu>>  
Subject: CMU CyLab directorship

Hi, Angelos,

As you may have heard, Carnegie Mellon CyLab is looking for a new director. I am on the search committee. We're looking for a leader with an exemplary reputation in security and privacy research, education and leadership. Unsurprisingly, your name came up.

I don't know if you'd be interested, but I'd be happy to talk with you more, or I could share your CV confidentially with our search committee if you have interest. I've attached a copy of our ad.

Best regards,

Nicolas

<CyLab ad 5\_25.pdf>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, June 9, 2018 1:25:28 PM  
To: Tejas Patel <tejas@kududyn.com>  
CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>  
Subject: Re: Comcast

We factored these data into the latest estimates we gave to Chris and JMS. We can get the data today, but we have no hardware. I do need to finalize the legal framework, as well --- by the end of June this should be done.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Tejas Patel <tejas@kududyn.com>  
Sent: Saturday, June 9, 2018 8:12 AM  
To: Antonakakis, Manos  
Cc: Schneck, Christopher (contr-i2o); Keromytis, Angelos; Kline, Allison (contr-i2o); Smith, Jonathan  
Subject: Re: Comcast

Manos:

That is great news! Do you have a feel for how much data that is and how quickly you will have to be in a position to accept that data?

Regards,  
Tejas

Tejas Patel  
Principal investigator  
Kudu Dynamics  
+1 919-332-3191 (c)  
tejas@kududyn.com <<mailto:tejas@kududyn.com>>

On Sat, Jun 9, 2018 at 8:08 AM, Antonakakis, Manos <manos@gatech.edu<<mailto:manos@gatech.edu>>> wrote:  
Folks, Jason came through. He managed to convince the Comcast lawyers to give us the following:

"The purpose of the data sharing described in this Scope of Work is to support Comcast's involvement in a research project led by the University. The Project, called "Gnomon", is being funded under a grant from the Defense Advanced Research Projects Agency (DARPA), part of the DARPA's "Harnessing Autonomy for Countering Cyberadversary Systems" (HACCS) program. The objective of the research is to develop methods to use network-sourced data to rapidly detect malware infections, and then develop methods to fix those malware infections for end users. This will rely on a range of data, from DNS data, IPFIX / Netflow data, email spam data, and security operations center (SOC) threat indicator data."

Revising the existing data sharing and as you can see we will get everything but the kitchen sink from Comcast.

—  
Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, June 9, 2018 1:21:22 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Tejas Patel <tejas@kududyn.com>; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>  
Subject: Re: Comcast

He was not, no.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Saturday, June 9, 2018 8:13:18 AM  
To: Antonakakis, Manos  
Cc: Schneck, Christopher (contr-i2o); Tejas Patel; Kline, Allison (contr-i2o); Smith, Jonathan  
Subject: Re: Comcast

Nice. Was he at the PI meeting yesterday?

> On Jun 9, 2018, at 08:08, Antonakakis, Manos <manos@gatech.edu> wrote:  
>  
> Folks, Jason came through. He managed to convince the Comcast lawyers to give us the following:  
>  
> "The purpose of the data sharing described in this Scope of Work is to support Comcast's involvement in a research project led by the University. The Project, called "Gnomon", is being funded under a grant from the Defense Advanced Research Projects Agency (DARPA), part of the DARPA's "Harnessing Autonomy for Countering Cyberadversary Systems" (HACCS) program. The objective of the research is to develop methods to use network-sourced data to rapidly detect malware infections, and then develop methods to fix those malware infections for end users. This will rely on a range of data, from DNS data, IPFIX / Netflow data, email spam data, and security operations center (SOC) threat indicator data."  
>  
> Revising the existing data sharing and as you can see we will get everything but the kitchen sink from Comcast.  
>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Saturday, June 9, 2018 12:13:18 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Tejas Patel <tejas@kududyn.com>; Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Saturday, June 9, 2018 12:13:03 PM

Subject: Re: Comcast

Attachments: Nameless.txt (1.18 KB)



From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, December 14, 2018 1:08:57 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Re: Confirmation on AF address space

Thanks for the heads up. Anything I need to do about this?

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Friday, December 14, 2018 8:06:36 AM  
To: Antonakakis, Manos  
Cc: Schneck, Christopher (contr-i2o)  
Subject: Re: Confirmation on AF address space

Mano, just FYI: Ian Crone will be the EA PM starting next Friday, until the new PM comes on board.

> On Dec 14, 2018, at 07:48, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Jason, I am in the middle of tracking down something big. You are number one in my queue, the moment I am done with this.

>  
> Thanks,

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>  
> Sent: Thursday, December 13, 2018 2:43:10 PM  
> To: Antonakakis, Manos  
> Cc: Schneck, Christopher (contr-i2o); Smith, Jonathan  
> Subject: RE: Confirmation on AF address space

>  
> Manos,  
>  
> It's taken a bit of time but I've received some data back that indicates at  
> least two of the three were related to AF equities at some time in the past  
> (131 & 12); however, are not AF-related today. In fact, the 'powers that be'  
> are working on reclaiming that IP space to address any remaining issues.  
> They are still researching the 62 net.

>  
> I know time frames are difficult, but I was asked if we could narrow down a  
> rough timeframe to enable damage assessment actions on our end. It would be  
> highly concerning if those networks were doing what you say they were doing  
> while they were being actively used by the DoD &/or the AF.

>  
> Thanks!  
>  
> Jason D. Stambaugh, SA, USAF  
> AFOSI Cyber Investigations & Ops  
> Deputy PM for Manpower & Training  
>  
> Comm: (571) 305-8850  
> DSN: 240-8850  
> NSTS: 918-5739  
>  
> SIPR: jason.d.stambaugh2.mil@mail.smil.mil  
> JWICS: jason.stambaugh@af.ic.gov  
>  
>  
> -----Original Message-----  
> From: Antonakakis, Manos <manos@gatech.edu>  
> Sent: Wednesday, November 21, 2018 10:25 AM  
> To: SCHILCHER, RYAN D SA USAF AFOSI AFOSI/3 FIS/CI&O  
> <ryan.schilcher@us.af.mil>; STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY  
> <jason.stambaugh@us.af.mil>  
> Cc: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>;  
> Keromytis, Angelos <angelos.keromytis@darpa.mil>; Smith, Jonathan  
> <jonathan.smith@darpa.mil>  
> Subject: [Non-DoD Source] Confirmation on AF address space  
>  
> Gentlemen, back in the day I received from DARPA a list of address space  
> that is related with AF network operations. Run this through our system to  
> assess any targeting against the AF networks.  
>  
> Can you please confirm that these three networks are AF related?  
>  
> - 62.255.146.0/24  
> - 12.10.134.0/24  
> - 131.8.51.0/24  
>  
> Assuming they are AF related, can you please rank them with the respect of  
> importance?  
>  
> (If you have a complete list of AF network address space, please send them  
> over so I can asses targeting more efficiently/accurately)  
>  
> Many thanks!  
>  
> -  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>

**From:** L Jean Camp [REDACTED]  
**Sent on:** Friday, November 2, 2018 2:41:56 AM  
**To:** Annie I. Anton <aa16@gatech.edu>  
**Subject:** Re: Congrats to Annie Anton

And you know I mean it!

On Thu, Nov 1, 2018 at 8:49 PM Anton, Ana I <aa16@gatech.edu> wrote:

Thank you, Jean. That's got to be one of the nicest emails I've received this year!

Gratefully,  
Annie

On Nov 1, 2018, at 12:48 PM, L Jean Camp <ljcamp@INDIANA.EDU> wrote:

My faith in the FISC has just been increased by an order of magnitude.

Thank You Annie! Congratulations! We as a country are all extremely lucky to have you perform this service.

On Wed, Oct 31, 2018 at 10:36 PM Hendler, Jim <hendler@cs.rpi.edu> wrote:

All, please join me in congratulating our long-time member Annie Anton who has been named as has been named a technologist advisor to the U.S. Foreign Intelligence Surveillance Court (FISC) – see <https://www.news.gatech.edu/2018/10/24/anton-named-technologist-advisor-us-national-security-court>

Annie has a long history of service in USACM and also to various govt agencies including the President's commission on enhancing national cybersecurity

Congrats Annie!

JH

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--

Prof. L. Jean Camp  
<http://www.ljean.com>

Research Gate:[https://www.researchgate.net/profile/L\\_Camp](https://www.researchgate.net/profile/L_Camp)

DBLP:<http://dblp.uni-trier.de/pers/hd/c/Camp:L= Jean>

SSRN:[https://papers.ssrn.com/sol3/cf\\_dev/AbsByAuth.cfm?per\\_id=262477](https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=262477)

Scholar:<https://scholar.google.com/citations?user=wJPGa2IAAAAJ>

Make a Difference <http://www.ieeeusa.org/policy/govfel/congfel.asp>

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--

Prof. L. Jean Camp

<http://www.ljean.com>

Research Gate:[https://www.researchgate.net/profile/L\\_Camp](https://www.researchgate.net/profile/L_Camp)

DBLP:<http://dblp.uni-trier.de/pers/hd/c/Camp:L= Jean>

SSRN:[https://papers.ssrn.com/sol3/cf\\_dev/AbsByAuth.cfm?per\\_id=262477](https://papers.ssrn.com/sol3/cf_dev/AbsByAuth.cfm?per_id=262477)

Scholar:<https://scholar.google.com/citations?user=wJPGa2IAAAAJ>

Make a Difference

<http://www.ieeeusa.org/policy/govfel/congfel.asp>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, April 18, 2018 12:45:40 PM  
To: Scott Taylor [REDACTED]; David Dagon [REDACTED]; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>  
CC: Angelos D. Keromytis [REDACTED]; Tejas Patel <tejas@kududyn.com>  
Subject: Re: Congratulations

Many thanks Scott!

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Scott Taylor <[REDACTED]>  
Sent: Tuesday, April 17, 2018 11:03:56 PM  
To: Antonakakis, Manos; David Dagon; Farrell, Michael D  
Cc: Angelos D. Keromytis; Tejas Patel  
Subject: Congratulations

Manos, David, Michale,

Congratulations on the "Outstanding Achievement in Research Program Development" Award!

--Scott

**From:** Rodney Joffe<rjoffe@centergate.com>  
**Sent on:** Saturday, June 29, 2019 5:38:35 AM  
**To:** McConnell, Kirk (Armed Services)<Kirk\_McConnell@armed-services.senate.gov>  
**CC:** Antonakakis Manos<manos@gatech.edu>  
**Subject:** Re: connection for briefing on Enhanced Attribution

Jeez

What a piece of work! Glad you don't have any influence with DARPA's budget that Michael relies on.

Manos?

On Jun 29, 2019, at 12:31 AM, McConnell, Kirk (Armed Services) <[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)> wrote:

Well, Michael is quite a guy isn't he?

Sent from my iPhone  
Begin forwarded message:

**From:** "Farrell, Michael" <[michael.farrell@iisp.gatech.edu](mailto:michael.farrell@iisp.gatech.edu)>  
**Date:** June 28, 2019 at 4:41:00 PM EDT  
**To:** "McConnell, Kirk (Armed Services)" <[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)>  
**Cc:** Ian Crone <[ian.crone@darpa.mil](mailto:ian.crone@darpa.mil)>, "lisa.heyas@darpa.mil" <[lisa.heyas@darpa.mil](mailto:lisa.heyas@darpa.mil)>  
**Subject:** Re: connection for briefing on Enhanced Attribution

Kirk,

Thanks for your interest in Georgia Tech research. However, we (GT) have no comment or position on the below. In fact, going forward please contact DARPA directly about any and all issues or questions or comments related to the enhanced attribution program. The DARPA congressional liaison and program manager are copied on this message and can respond, as needed. The Georgia Tech/GTRI PI and Co-PIs on this research program are not the appropriate POCs for any questions, comments, or concerns.

The government, not GT, makes decisions related to funding and transition from research at DARPA to other entities. The focus of Manos, myself and other Co-PIs is completely on doing impactful research. We follow contractual requirements and relevant policies for our part of this program (and GT is only one part), and devote our energy to 'creating the next' in cyber security.

Best,

Michael

On Jun 25, 2019, at 12:24, McConnell, Kirk (Armed Services) <

[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)> wrote:

FYI. Andy is on the SAC-D staff. Andrew Pahutski from SCO is seeking approval from us on the Hill to shift some SCO money to Enhanced Attribution.

---

**From:** McConnell, Kirk (Armed Services)

**Sent:** Tuesday, June 25, 2019 12:22 PM

**To:** Heyes, Lisa ([lisa.heyesh@arpa.mil](mailto:lisa.heyesh@arpa.mil)) <[lisa.heyesh@arpa.mil](mailto:lisa.heyesh@arpa.mil)>;  
Vanlandingham, Andy (Appropriations) <  
[Andy\\_Vanlandingham@appro.senate.gov](mailto:Andy_Vanlandingham@appro.senate.gov)>

**Subject:** connection for briefing on Enhanced Attribution

Lisa –

Andy Vanlandingham is interested in learning more about DARPA's Enhanced Attribution cybersecurity program. It turns out that a current SCO program manager whom we know well is moving over to Cyber Command to help with the transition of this DARPA program to CYBERCOM. Thanks, Kirk

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, August 4, 2018 6:52:59 PM  
To: Angelos D. Keromytis [REDACTED] >  
Subject: Re: Curious

Call and I will explain.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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From: Angelos D. Keromytis [REDACTED]  
Sent: Saturday, August 4, 2018 1:52:22 PM  
To: Antonakakis, Manos  
Subject: Re: Curious

??

> On Aug 4, 2018, at 1:50 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> No news this week because I was in DC for private business JMS. Just got of the phone with Chris. He got some feedback from the Brandon and his team. It looks like we have been played, big time.

>

> While I will handle my political exposure in GT alone, I will make sure that Panos, Jeremy and Thanos will not publish anything they found so far, I would like your thoughts and guidance on the effort that me and my team should spend on this problem moving forward. Evidently, they do not care about us or our research. They care about getting fast access to the GT network. That's it.

>

> —

> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_  
> From: Jonathan M. Smith <jms@cis.upenn.edu>

> Sent: Saturday, August 4, 2018 9:59:05 AM

> To: Antonakakis, Manos

> Subject: Curious

>

> Manos:

> Any progress on things?

>

> On another note, I was screwing around with the readership feature of the

> online paper archival at Penn and it now has a geo interface. I have attached

> a snapshot from it - quite interesting!

> Best,

> -JMS

>

> Jonathan M. Smith

> Professor of CIS and Pompa Chair

> T: 215.898.9509; E: jms@cis.upenn.edu <<mailto:jms@cis.upenn.edu>>



>

>

>

From: Angelos D. Keromytis [REDACTED]  
Sent on: Wednesday, October 25, 2017 4:41:18 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Subject: Re: CV

Cool.

> On Oct 25, 2017, at 11:37, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> FYI-

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

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>

>

> \_\_\_\_\_

> From: Ahamad, Mustaque

> Sent: Wednesday, October 25, 2017 10:35 AM

> To: Sarkar, Vivek; Gavrilovska Habi, Ada; Orso, Alessandro; Lee, Wenke; Kim, Taesoo; Navathe, Shamkant B; Lance Fortnow; Ammar, Mostafa H; Payton, Kenya V; Antonakakis, Manos

> Subject: FW: CV

>

> Stelios just sent his CV. See attached.

>

> Vivek, have you been in touch with him about possible dates? Hopefully the week of 11/27 works for him. He did not want to visit before Thanksgiving and several of us are away the week of December 4.

>

> He can come 11/27 evening, do the talk on the 28th and leave on the 29th. Alternatively, he can come on the 29th, talk on the 30th and get done on December 1st. There is a DARPA PI meeting on December 1st but those attending it can meet Stelios on Thursday.

>

> Also copying Manos whom he should meet. Please include him as you work to figure out the visit dates.

>

> Mustaque

>

>

> On 10/25/17, 10:24 AM, "Stelios Sidiroglou-Douskos" <stelios@csail.mit.edu> wrote:

>

> Hi Mustaque,

>

> Attached you will find an updated CV.

> Please let me know if you need anything else from my end.

>

> best,

> Stelios

>

>

>

>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, May 8, 2018 7:08:54 PM  
To: Tejas Patel <tejas@kududyn.com>  
CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>  
Subject: Re: Cyber Threat Initiatives

Will do, yes.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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From: Tejas Patel <tejas@kududyn.com>  
Sent: Tuesday, May 8, 2018 12:33:45 PM  
To: Antonakakis, Manos  
Cc: Schneck, Christopher (contr-i2o); Keromytis, Angelos; Smith, Jonathan  
Subject: Re: Cyber Threat Initiatives

Manos,

Likewise. Let me know logistics and I'll work it into my schedule.

Regards,  
Tejas

Tejas Patel  
Principal investigator  
Kudu Dynamics  
+1 919-332-3191 (c)  
tejas@kududyn.com <<mailto:tejas@kududyn.com>>

On Tue, May 8, 2018 at 8:41 AM, Antonakakis, Manos <manos@gatech.edu<<mailto:manos@gatech.edu>>> wrote:  
Yes, Sir. Will do.

---

Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil<<mailto:christopher.schneck.ctr@darpa.mil>>>  
Sent: Tuesday, May 8, 2018 7:20:54 AM  
To: Antonakakis, Manos; Keromytis, Angelos; Smith, Jonathan; tejas@kududyn.com <<mailto:tejas@kududyn.com>>  
Subject: RE: Cyber Threat Initiatives

Manos,

I planned on coming out on the 7th so count me in for the meetings. Let me know when you have nailed down a time for the morning meeting.

Chris Schneck  
DARPA I2O SETA  
Office: 571-218-4429  
Cell: 571-524-3821

-----Original Message-----

From: Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>>  
Sent: Monday, May 7, 2018 4:38 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil>>; Smith, Jonathan <jonathan.smith@darpa.mil<mailto:jonathan.smith@darpa.mil>>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil<mailto:christopher.schneck.ctr@darpa.mil>>; tejas@kududyn.com <<mailto:tejas@kududyn.com>>  
Subject: Fw: Cyber Threat Initiatives

Not sure if any/all of you need to be here. We would be happy to have you.

-

Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Antonakakis, Manos  
Sent: Monday, May 7, 2018 4:36 PM  
To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY; Farrell, Michael D; Mitchell, Michael F  
Cc: Demar, Jeremy; Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC  
Subject: Re: Cyber Threat Initiatives

Very cool, Jason.

I will work with Michael to get you first thing in the morning. We will have breakfast and lunch served at the meeting, which will be held at Klaus Advance Computer Building. We will nail down the room as we get closer.

If you do not mind give me a call [REDACTED] so I can assess the time we want based on the things you and your team want to hear from us.

Thanks,

-

Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY  
<jason.stambaugh@us.af.mil<mailto:jason.stambaugh@us.af.mil>>  
Sent: Monday, May 7, 2018 4:32:21 PM  
To: Antonakakis, Manos; Farrell, Michael D; Mitchell, Michael F  
Cc: Demar, Jeremy; Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA

USAF AFOSI AFOSI/XRC  
Subject: RE: Cyber Threat Initiatives

Manos,

I am tentatively projecting 3 individuals (me & 2 others). To my knowledge, there are no dietary restrictions but I will verify.

Thanks very much!

Jason D. Stambaugh, SA, USAF  
Deputy PM for Cyber Training  
AFOSI Cyber Investigations & Ops

Comm: (571) 305-8850  
DSN: 240-8850  
NSTS: 918-5739

SIPR: jason.d.stambaugh2.mil@mail.smil.mil <mailto:jason.d.stambaugh2.mil@mail.smil.mil>  
JWICS: jason.stambaugh@af.ic.gov <mailto:jason.stambaugh@af.ic.gov>

-----Original Message-----

From: Antonakakis, Manos [<mailto:manos@gatech.edu> <<mailto:manos@gatech.edu>>]  
Sent: Monday, May 7, 2018 11:27 AM  
To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY  
<jason.stambaugh@us.af.mil <<mailto:jason.stambaugh@us.af.mil>>>;  
Farrell, Michael D <Michael.Farrell@gtri.gatech.edu <<mailto:Michael.Farrell@gtri.gatech.edu>>>; Mitchell, Michael F  
<michael.mitchell@ece.gatech.edu <<mailto:michael.mitchell@ece.gatech.edu>>>  
Cc: Demar, Jeremy <jdemar3@gatech.edu <<mailto:jdemar3@gatech.edu>>>; Keromytis, Angelos  
<angelos.keromytis@darpa.mil <<mailto:angelos.keromytis@darpa.mil>>>; OGBUAWA, OKECHUKWU N SA USAF AFOSI  
AFOSI/ICON  
<okechukwu.ogbuawa@us.af.mil <<mailto:okechukwu.ogbuawa@us.af.mil>>>; VELEZ, STEPHYNIE E SA USAF AFOSI  
AFOSI/XRCY  
<stephynie.velez@us.af.mil <<mailto:stephynie.velez@us.af.mil>>>; GEE, TYSON L SA USAF AFOSI AFOSI/XRC  
<tyson.gee@us.af.mil <<mailto:tyson.gee@us.af.mil>>>  
Subject: [Non-DoD Source] Re: Cyber Threat Initiatives

Jason, I am setting up a room for the day. Can you give me a count of people you will have with you, and if there are any dietary restrictions?

Michael M., this is for your records --- the visit on June 7th, right before the PI meeting.

Thanks,

-  
Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FD F 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY  
<jason.stambaugh@us.af.mil <<mailto:jason.stambaugh@us.af.mil>>>  
Sent: Monday, May 7, 2018 11:15:27 AM  
To: Antonakakis, Manos; Farrell, Michael D

Cc: Demar, Jeremy; Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC  
Subject: RE: Cyber Threat Initiatives

Great! What time would you like to sync up...and where?

Thanks & Regards,

Jason D. Stambaugh, SA, USAF  
Deputy PM for Cyber Training  
AFOSI Cyber Investigations & Ops

Comm: (571) 305-8850  
DSN: 240-8850  
NSTS: 918-5739

SIPR: jason.d.stambaugh2.mil@mail.smil.mil<mailto:jason.d.stambaugh2.mil@mail.smil.mil>  
JWICS: jason.stambaugh@af.ic.gov<mailto:jason.stambaugh@af.ic.gov>

-----Original Message-----

From: Antonakakis, Manos [<mailto:manos@gatech.edu><<mailto:manos@gatech.edu>>]  
Sent: Wednesday, May 2, 2018 5:28 PM  
To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY  
<jason.stambaugh@us.af.mil<mailto:jason.stambaugh@us.af.mil>>;  
Farrell, Michael D <Michael.Farrell@gtri.gatech.edu<mailto:Michael.Farrell@gtri.gatech.edu>>  
Cc: Demar, Jeremy <jdemar3@gatech.edu<mailto:jdemar3@gatech.edu>>; Keromytis, Angelos  
<angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil>>; OGBUAWA, OKECHUKWU N SA USAF AFOSI  
AFOSI/ICON  
<okechukwu.ogbuawa@us.af.mil<mailto:okechukwu.ogbuawa@us.af.mil>>; VELEZ, STEPHYNIE E SA USAF AFOSI  
AFOSI/XRCY  
<stephynie.velez@us.af.mil<mailto:stephynie.velez@us.af.mil>>; GEE, TYSON L SA USAF AFOSI AFOSI/XRC  
<tyson.gee@us.af.mil<mailto:tyson.gee@us.af.mil>>  
Subject: [Non-DoD Source] Re: Cyber Threat Initiatives

This works for my team too. Booked my calendar for the entire morning.

Thanks,

-  
Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY  
<jason.stambaugh@us.af.mil<mailto:jason.stambaugh@us.af.mil>>  
Sent: Wednesday, May 2, 2018 8:41:13 AM  
To: Farrell, Michael D  
Cc: Antonakakis, Manos; Demar, Jeremy; Keromytis, Angelos; OGBUAWA,  
OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI  
AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC  
Subject: RE: Cyber Threat Initiatives

Michael,

The morning of the 7th sounds great to me. I'll check with my colleagues to determine their availability.

Thanks & Regards,

Jason D. Stambaugh, SA, USAF  
Deputy PM for Cyber Training  
AFOSI Cyber Investigations & Ops

Comm: (571) 305-8850  
DSN: 240-8850  
NSTS: 918-5739

SIPR: jason.d.stambaugh2.mil@mail.smil.mil<mailto:jason.d.stambaugh2.mil@mail.smil.mil>  
JWICS: jason.stambaugh@af.ic.gov<mailto:jason.stambaugh@af.ic.gov>

-----Original Message-----

From: Farrell, Michael [<mailto:Michael.Farrell@gtri.gatech.edu><<mailto:Michael.Farrell@gtri.gatech.edu>>]

Sent: Wednesday, May 2, 2018 8:33 AM

To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY

<jason.stambaugh@us.af.mil<mailto:jason.stambaugh@us.af.mil>>

Cc: Antonakakis, Emmanouil K <manos@gatech.edu<mailto:manos@gatech.edu>>; Demar, Jeremy

<jdemar3@gatech.edu<mailto:jdemar3@gatech.edu>>; Keromytis, Angelos

<angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil>>;

OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON

<okechukwu.ogbuawa@us.af.mil<mailto:okechukwu.ogbuawa@us.af.mil>>;

VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY <stephynie.velez@us.af.mil<mailto:stephynie.velez@us.af.mil>>;

GEE, TYSON L SA USAF AFOSI AFOSI/XRC <tyson.gee@us.af.mil<mailto:tyson.gee@us.af.mil>>

Subject: [Non-DoD Source] Re: Cyber Threat Initiatives

Hi Jason,

We'd be happy to sit down, as Manos mentioned. Also understand that it makes sense logistically to try and tag it into an existing trip. Happy to try and accommodate.

June 8 itself will be quite busy for us in hosting the meeting all day.

June 7 I have a few prior commitments already on the books, but I'm not needed for the entire session so this could work. I'd suggest morning on this day instead I afternoon as some of the team has a meeting in the afternoon already planned.

Look forward to hosting you.

Best,

Michael

> On May 2, 2018, at 08:12, STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY  
<jason.stambaugh@us.af.mil<mailto:jason.stambaugh@us.af.mil>> wrote:

>  
> Manos,  
>  
> We would love to come to Georgia! We can absolutely keep this at unclass

for the meeting. If the other team members need to make contact afterward via high-side channels, we can work that out.

>  
> Would it be possible to schedule a day around the 8th to have the more detailed meeting, since we'll already be in town?

>  
> Thanks & Regards,

>  
> Jason D. Stambaugh, SA, USAF  
> Deputy PM for Cyber Training  
> AFOSI Cyber Investigations & Ops

>  
> Comm: (571) 305-8850  
> DSN: 240-8850  
> NSTS: 918-5739

>  
> SIPR: jason.d.stambaugh2.mil@mail.smil.mil<mailto:jason.d.stambaugh2.mil@mail.smil.mil>  
> JWICS: jason.stambaugh@af.ic.gov<mailto:jason.stambaugh@af.ic.gov>

>  
> -----Original Message-----

> From: Antonakakis, Manos [<mailto:manos@gatech.edu><<mailto:manos@gatech.edu>>]

> Sent: Tuesday, May 1, 2018 8:18 PM

> To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY

<jason.stambaugh@us.af.mil<mailto:jason.stambaugh@us.af.mil>>; Farrell, Michael D

<Michael.Farrell@gtri.gatech.edu<mailto:Michael.Farrell@gtri.gatech.edu>>; Demar, Jeremy

<jdemar3@gatech.edu<mailto:jdemar3@gatech.edu>>

> Cc: Keromytis, Angelos <angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil>>; OGBUAWA, OKECHUKWU N

SA USAF AFOSI AFOSI/ICON <okechukwu.ogbuawa@us.af.mil<mailto:okechukwu.ogbuawa@us.af.mil>>; VELEZ, STEPHYNIE E

SA USAF AFOSI AFOSI/XRCY <stephynie.velez@us.af.mil<mailto:stephynie.velez@us.af.mil>>; GEE, TYSON L SA USAF

AFOSI AFOSI/XRC <tyson.gee@us.af.mil<mailto:tyson.gee@us.af.mil>>

> Subject: [Non-DoD Source] Re: Cyber Threat Initiatives

>  
> Great Jason.

>  
> Michael Farrell and Jeremy Demar should be in this meeting too. Michael is CoPI (from GTRI) in this project and holds all necessary clearances for discussions that needs to happen on the high side. Jeremy came out for the Navy long time ago, and he is leading threat research in my team. I suspect that you will have to work with him long-tem for any data sharing between the two teams.

>  
> Now, we could host you here at GT/GTRI and also have space for a classified meeting made available. Note, only Michael for my team can attend such a meeting. Thus, it would be the most beneficial for me to keep everything at UNCLASSIFIED//FOUO level.

>  
> If you want us to fly out, we could. Whatever works best for you and your team.

>  
> Angele, I am not sure if you, JMS, Tejas or Chris should also attend this meeting.

>  
> Thanks,

>  
> -



> Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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> From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY

<jason.stambaugh@us.af.mil <<mailto:jason.stambaugh@us.af.mil>>>

> Sent: Monday, April 30, 2018 8:59:02 AM

> To: Antonakakis, Manos

> Cc: Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON;

VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI

AFOSI/XRC

> Subject: RE: Cyber Threat Initiatives

>

> Great! We will likely be in attendance for the Atlanta event on 8 Jun.

We should shoot for a date between 25 & 29 June for a more in-depth,

follow-on meeting. Both Stephynie and I will be in the office that week,

unless one of us has to make a trip to Hawaii.

>

> The first week of July looks pretty good too.

>

> Thanks & Regards,

>

> Jason D. Stambaugh, SA, USAF

> Deputy PM for Cyber Training

> AFOSI Cyber Investigations & Ops

>

> Comm: (571) 305-8850

> DSN: 240-8850

> NSTS: 918-5739

>

> SIPR: jason.d.stambaugh2.mil@mail.smil.mil <<mailto:jason.d.stambaugh2.mil@mail.smil.mil>>

> JWICS: jason.stambaugh@af.ic.gov <<mailto:jason.stambaugh@af.ic.gov>>

>

>

> -----Original Message-----

> From: Antonakakis, Manos [<mailto:manos@gatech.edu> <<mailto:manos@gatech.edu>>]

> Sent: Friday, April 27, 2018 5:08 PM

> To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY

<jason.stambaugh@us.af.mil <<mailto:jason.stambaugh@us.af.mil>>>

> Cc: Keromytis, Angelos <angelos.keromytis@darpa.mil <<mailto:angelos.keromytis@darpa.mil>>>; OGBUAWA,

OKECHUKWU N

SA USAF AFOSI AFOSI/ICON <okechukwu.ogbuawa@us.af.mil <<mailto:okechukwu.ogbuawa@us.af.mil>>>; VELEZ,

STEPHYNIE E

SA USAF AFOSI AFOSI/XRCY <stephynie.velez@us.af.mil <<mailto:stephynie.velez@us.af.mil>>>; GEE, TYSON L SA USAF

AFOSI AFOSI/XRC <tyson.gee@us.af.mil <<mailto:tyson.gee@us.af.mil>>>

> Subject: [Non-DoD Source] Re: Cyber Threat Initiatives

>

> Hey Jason, good to hear from you!

>

> Yes, lets get something on the calendar and go from there. In the HACCS

meeting you saw just a small set of what we are working on. We plan to

expose a larger portion of their operations (current and past) in the

upcoming PI meeting in Atlanta (June 8th). I would suggest we schedule

something for mid/late June so you and your team will get the opportunity to

be exposed to the full spectrum of research we are doing on this particular

actor.

>  
> I can fly out to meet you guys, or we are more than happy to host you at Georgia Tech. Totally up to you.

>  
> Does that sound reasonable to you?

>  
> Thanks,

>  
> -  
> Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>

> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY  
<jason.stambaugh@us.af.mil<<mailto:jason.stambaugh@us.af.mil>> >

> Sent: Wednesday, April 25, 2018 2:11:55 PM

> To: Antonakakis, Manos

> Cc: Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON;  
VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI  
AFOSI/XRC

> Subject: Cyber Threat Initiatives

>  
> Manos,

>  
> Sorry for the delay in my follow up from our brief interaction at HACCS.  
> I'd like to get you linked up with our ops side of the house to discuss  
what you've learned about a threat we are interested in. We can host you  
here in Quantico, out in San Antonio, or we can travel to you (whichever is  
most convenient). As I mentioned previously, I would hope we could promote  
a mutually-beneficial information-sharing relationship.

>  
> For now, let's try to nail down a location, date, & time to meet and go  
from there.

>  
> Looking forward to this discussion!

>  
> Thanks & Regards,

>  
> Jason D. Stambaugh, SA, USAF  
> Deputy PM for Cyber Training  
> AFOSI Cyber Investigations & Ops

>  
> Comm: (571) 305-8850  
> DSN: 240-8850  
> NSTS: 918-5739

>  
> SIPR: jason.d.stambaugh2.mil@mail.smil.mil<<mailto:jason.d.stambaugh2.mil@mail.smil.mil>>  
> JWICS: jason.stambaugh@af.ic.gov<<mailto:jason.stambaugh@af.ic.gov>>

>  
>  
>  
>



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Monday, May 7, 2018 9:44:05 PM

To: Antonakakis, Manos <manos@gatech.edu>; Smith, Jonathan <jonathan.smith@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; tejas@kududyn.com

Subject: RE: Cyber Threat Initiatives

I don't know yet. Plan without me.

-----Original Message-----

From: Antonakakis, Manos <manos@gatech.edu>

Sent: Monday, May 7, 2018 4:38 PM

To: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; tejas@kududyn.com

Subject: Fw: Cyber Threat Initiatives

Not sure if any/all of you need to be here. We would be happy to have you.

-

Manos Antonakakis | manos@gatech.edu

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos

Sent: Monday, May 7, 2018 4:36 PM

To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY; Farrell, Michael D; Mitchell, Michael F

Cc: Demar, Jeremy; Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC

Subject: Re: Cyber Threat Initiatives

Very cool, Jason.

I will work with Michael to get you first thing in the morning. We will have breakfast and lunch served at the meeting, which will be held at Klaus Advance Computer Building. We will nail down the room as we get closer.

If you do not mind give me a call [REDACTED] so I can assess the time we want based on the things you and your team want to hear from us.

Thanks,

-

Manos Antonakakis | manos@gatech.edu

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>

Sent: Monday, May 7, 2018 4:32:21 PM

To: Antonakakis, Manos; Farrell, Michael D; Mitchell, Michael F

Cc: Demar, Jeremy; Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC

Subject: RE: Cyber Threat Initiatives

Manos,

I am tentatively projecting 3 individuals (me & 2 others). To my knowledge, there are no dietary restrictions but I will verify.

Thanks very much!

Jason D. Stambaugh, SA, USAF  
Deputy PM for Cyber Training  
AFOSI Cyber Investigations & Ops

Comm: (571) 305-8850  
DSN: 240-8850  
NSTS: 918-5739

SIPR: jason.d.stambaugh2.mil@mail.smil.mil  
JWICS: jason.stambaugh@af.ic.gov

-----Original Message-----

From: Antonakakis, Manos [<mailto:manos@gatech.edu>]

Sent: Monday, May 7, 2018 11:27 AM

To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

Cc: Demar, Jeremy <jdemar3@gatech.edu>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON <okechukwu.ogbuawa@us.af.mil>; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY <stephynie.velez@us.af.mil>; GEE, TYSON L SA USAF AFOSI AFOSI/XRC <tyson.gee@us.af.mil>

Subject: [Non-DoD Source] Re: Cyber Threat Initiatives

Jason, I am setting up a room for the day. Can you give me a count of people you will have with you, and if there are any dietary restrictions?

Michael M., this is for your records --- the visit on June 7th, right before the PI meeting.

Thanks,

-

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>

Sent: Monday, May 7, 2018 11:15:27 AM

To: Antonakakis, Manos; Farrell, Michael D

Cc: Demar, Jeremy; Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC

Subject: RE: Cyber Threat Initiatives

Great! What time would you like to sync up...and where?

Thanks & Regards,

Jason D. Stambaugh, SA, USAF  
Deputy PM for Cyber Training  
AFOSI Cyber Investigations & Ops

Comm: (571) 305-8850  
DSN: 240-8850  
NSTS: 918-5739

SIPR: jason.d.stambaugh2.mil@mail.smil.mil  
JWICS: jason.stambaugh@af.ic.gov

-----Original Message-----

From: Antonakakis, Manos [<mailto:manos@gatech.edu>]  
Sent: Wednesday, May 2, 2018 5:28 PM  
To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>  
Cc: Demar, Jeremy <jdemar3@gatech.edu>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON <okechukwu.ogbuawa@us.af.mil>; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY <stephynie.velez@us.af.mil>; GEE, TYSON L SA USAF AFOSI AFOSI/XRC <tyson.gee@us.af.mil>  
Subject: [Non-DoD Source] Re: Cyber Threat Initiatives

This works for my team too. Booked my calendar for the entire morning.

Thanks,

-

Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>  
Sent: Wednesday, May 2, 2018 8:41:13 AM  
To: Farrell, Michael D  
Cc: Antonakakis, Manos; Demar, Jeremy; Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC  
Subject: RE: Cyber Threat Initiatives

Michael,

The morning of the 7th sounds great to me. I'll check with my colleagues to determine their availability.

Thanks & Regards,

Jason D. Stambaugh, SA, USAF  
Deputy PM for Cyber Training  
AFOSI Cyber Investigations & Ops

Comm: (571) 305-8850  
DSN: 240-8850  
NSTS: 918-5739

SIPR: jason.d.stambaugh2.mil@mail.smil.mil  
JWICS: jason.stambaugh@af.ic.gov

-----Original Message-----

From: Farrell, Michael [<mailto:Michael.Farrell@gtri.gatech.edu>]  
Sent: Wednesday, May 2, 2018 8:33 AM  
To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>

Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Demar, Jeremy <jdemar3@gatech.edu>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON <okechukwu.ogbuawa@us.af.mil>; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY <stephynie.velez@us.af.mil>; GEE, TYSON L SA USAF AFOSI AFOSI/XRC <tyson.gee@us.af.mil>  
Subject: [Non-DoD Source] Re: Cyber Threat Initiatives

Hi Jason,

We'd be happy to sit down, as Manos mentioned. Also understand that it makes sense logistically to try and tag it into an existing trip. Happy to try and accommodate.

June 8 itself will be quite busy for us in hosting the meeting all day.

June 7 I have a few prior commitments already on the books, but I'm not needed for the entire session so this could work. I'd suggest morning on this day instead I afternoon as some of the team has a meeting in the afternoon already planned.

Look forward to hosting you.

Best,

Michael

> On May 2, 2018, at 08:12, STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil> wrote:  
>  
> Manos,  
>  
> We would love to come to Georgia! We can absolutely keep this at unclass for the meeting. If the other team members need to make contact afterward via high-side channels, we can work that out.  
>  
> Would it be possible to schedule a day around the 8th to have the more detailed meeting, since we'll already be in town?  
>  
> Thanks & Regards,  
>  
> Jason D. Stambaugh, SA, USAF  
> Deputy PM for Cyber Training  
> AFOSI Cyber Investigations & Ops  
>  
> Comm: (571) 305-8850  
> DSN: 240-8850  
> NSTS: 918-5739  
>  
> SIPR: jason.d.stambaugh2.mil@mail.smil.mil  
> JWICS: jason.stambaugh@af.ic.gov  
>  
> -----Original Message-----  
> From: Antonakakis, Manos [<mailto:manos@gatech.edu>]  
> Sent: Tuesday, May 1, 2018 8:18 PM  
> To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; Demar, Jeremy <jdemar3@gatech.edu>  
> Cc: Keromytis, Angelos <angelos.keromytis@darpa.mil>; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON <okechukwu.ogbuawa@us.af.mil>; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY <stephynie.velez@us.af.mil>; GEE, TYSON L SA USAF AFOSI AFOSI/XRC <tyson.gee@us.af.mil>  
> Subject: [Non-DoD Source] Re: Cyber Threat Initiatives  
>  
> Great Jason.

>  
> Michael Farrell and Jeremy Demar should be in this meeting too. Michael is CoPI (from GTRI) in this project and holds all necessary clearances for discussions that needs to happen on the high side. Jeremy came out for the Navy long time ago, and he is leading threat research in my team. I suspect that you will have to work with him long-tem for any data sharing between the two teams.

>  
> Now, we could host you here at GT/GTRI and also have space for a classified meeting made available. Note, only Michael for my team can attend such a meeting. Thus, it would be the most beneficial for me to keep everything at UNCLASSIFIED//FOUO level.

>  
> If you want us to fly out, we could. Whatever works best for you and your team.

>  
> Angele, I am not sure if you, JMS, Tejas or Chris should also attend this meeting.

>  
> Thanks,

>  
> -  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>

> Sent: Monday, April 30, 2018 8:59:02 AM

> To: Antonakakis, Manos

> Cc: Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC

> Subject: RE: Cyber Threat Initiatives

>  
> Great! We will likely be in attendance for the Atlanta event on 8 Jun. We should shoot for a date between 25 & 29 June for a more in-depth, follow-on meeting. Both Stephynie and I will be in the office that week, unless one of us has to make a trip to Hawaii.

>  
> The first week of July looks pretty good too.

>  
> Thanks & Regards,

>  
> Jason D. Stambaugh, SA, USAF  
> Deputy PM for Cyber Training  
> AFOSI Cyber Investigations & Ops

>  
> Comm: (571) 305-8850

> DSN: 240-8850

> NSTS: 918-5739

>  
> SIPR: jason.d.stambaugh2.mil@mail.smil.mil  
> JWICS: jason.stambaugh@af.ic.gov

>  
>  
> -----Original Message-----

> From: Antonakakis, Manos [<mailto:manos@gatech.edu>]

> Sent: Friday, April 27, 2018 5:08 PM

> To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>

> Cc: Keromytis, Angelos <angelos.keromytis@darpa.mil>; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON <okechukwu.ogbuawa@us.af.mil>; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY <stephynie.velez@us.af.mil>; GEE, TYSON L SA USAF AFOSI AFOSI/XRC <tyson.gee@us.af.mil>



> Subject: [Non-DoD Source] Re: Cyber Threat Initiatives  
>  
> Hey Jason, good to hear from you!  
>  
> Yes, lets get something on the calendar and go from there. In the HACCS meeting you saw just a small set of what we are working on. We plan to expose a larger portion of their operations (current and past) in the upcoming PI meeting in Atlanta (June 8th). I would suggest we schedule something for mid/late June so you and your team will get the opportunity to be exposed to the full spectrum of research we are doing on this particular actor.  
>  
> I can fly out to meet you guys, or we are more than happy to host you at Georgia Tech. Totally up to you.  
>  
> Does that sound reasonable to you?  
>  
> Thanks,  
>  
> -  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_  
> From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>  
> Sent: Wednesday, April 25, 2018 2:11:55 PM  
> To: Antonakakis, Manos  
> Cc: Keromytis, Angelos; OGBUAWA, OKECHUKWU N SA USAF AFOSI AFOSI/ICON; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC  
> Subject: Cyber Threat Initiatives  
>  
> Manos,  
>  
> Sorry for the delay in my follow up from our brief interaction at HACCS.  
> I'd like to get you linked up with our ops side of the house to discuss what you've learned about a threat we are interested in. We can host you here in Quantico, out in San Antonio, or we can travel to you (whichever is most convenient). As I mentioned previously, I would hope we could promote a mutually-beneficial information-sharing relationship.  
>  
> For now, let's try to nail down a location, date, & time to meet and go from there.  
>  
> Looking forward to this discussion!  
>  
> Thanks & Regards,  
>  
> Jason D. Stambaugh, SA, USAF  
> Deputy PM for Cyber Training  
> AFOSI Cyber Investigations & Ops  
>  
> Comm: (571) 305-8850  
> DSN: 240-8850  
> NSTS: 918-5739  
>  
> SIPR: jason.d.stambaugh2.mil@mail.smil.mil  
> JWICS: jason.stambaugh@af.ic.gov  
>  
>  
>  
>



From: Angelos D. Keromytis [REDACTED]  
Sent on: Wednesday, January 31, 2018 5:29:20 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Subject: Re: Daniel

Oh well.

> On Jan 31, 2018, at 12:13, Antonakakis, Manos <manos@gatech.edu> wrote:  
>  
> Angele please tell Jonathan that Alenka kill this case internally. The reason was that he works too close to her area (?!).  
>  
> My apologies, but I tried.  
>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_  
> From: Jonathan M. Smith <jms@cis.upenn.edu>  
> Sent: Monday, January 29, 2018 2:59 PM  
> To: Antonakakis, Manos  
> Subject: Daniel  
>  
> <https://www.cis.upenn.edu/~danielg3/>  
>  
> -JMS  
>  
> Jonathan M. Smith  
> Pompa Professor, Professor of CIS  
> University of Pennsylvania  
> Philadelphia, PA 19104

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Monday, August 28, 2017 2:35:01 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>; dagon@sudo.sh

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Monday, August 28, 2017 2:34:59 PM

Subject: Re: DARPA domains

Attachments: Nameless.txt (961 Bytes)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, November 29, 2017 3:43:52 AM  
To: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>; Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>  
Subject: Re: DARPA EA PI Meeting - Draft Slides Due

Danielle, you should have the slides via AMRDEC.

As I noted in the AMRDEC email, while I have no problem presenting them in the PI meeting, I think we should restrict the electronic distribution of this deck. There are too many TTPs listed that if they are accidentally leaked, we will be losing unique sources and methods we are using for this type of attribution analysis.

I will leave the final decision to Angelos, Tejas and Tom on this one.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Tuesday, November 28, 2017 5:32:06 PM  
To: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB  
Cc: Keromytis, Angelos; Patel, Tejas (contr-i2o); Maddern, Thomas (contr-i2o)  
Subject: Re: DARPA EA PI Meeting - Draft Slides Due

Hey Danielle, I will send over the slide late Wednesday. Tejas and/or Angelos can explain the reason.

Thanks,

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
Sent: Tuesday, November 28, 2017 9:39:29 AM  
To: ncostigan@behaviorsec.com; ideutschmann@behaviorsec.com; Brian Kirk; wright@ainfosec.com; dorar@ainfosec.com; scott.tenaglia@invincea.com; chris.greamo@invincea.com; Antonakakis, Manos; mikef@kududyn.com; James Nuttall; Ben.Radford@soteradefense.com; Emmy.thompson@soteradefense.com; James.lobb@soteradefense.com; Michelle Lossau; schwab@isi.edu; brigidann@usc.edu  
Cc: Keromytis, Angelos; Patel, Tejas (contr-i2o); Maddern, Thomas (contr-i2o); GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB  
Subject: DARPA EA PI Meeting - Draft Slides Due

Good Morning,

This is a friendly reminder that your draft presentation material is due within three (3) days prior to each presentation. Please upload your slides into the TFIMS file storage area. Alternatively, you are welcome to send the slides via AMRDEC

(in case TFIMS is giving you a hard time).

Looking forward to seeing everyone on Friday!

Safe Travels,  
Danielle

Computer Scientist, Cyber Operations Branch (RIGB)  
Air Force Research Laboratory  
COMM: (315) 330-4822 DSN: 587-4822  
NIPR: Danielle.Gambino@us.af.mil  
JWICs: Danielle.Gambino@rome.ic.gov

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, November 29, 2017 4:21:47 PM  
To: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>; Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>  
Subject: Re: DARPA EA PI Meeting - Presentation Slide Distribution Statements

Folks, I just sent the properly annotated slides to everyone but Angelos. At this point I do not think there is anything else that needs to be done from the GT side for the PI meeting.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
Sent: Wednesday, November 29, 2017 10:46:19 AM  
To: ncostigan@behaviosec.com; ideutschmann@behaviosec.com; Brian Kirk; wright@ainfosec.com; dorar@ainfosec.com; scott.tenaglia@twosixlabs.com; Antonakakis, Manos; mikef@kududyn.com; James Nuttall; Ben.Radford@soteradefense.com; Emmy.thompson@soteradefense.com; James.lobb@soteradefense.com; schwab@isi.edu; brigidann@usc.edu  
Cc: Keromytis, Angelos; Patel, Tejas (contr-i2o); Maddern, Thomas (contr-i2o)  
Subject: DARPA EA PI Meeting - Presentation Slide Distribution Statements

Good Morning,

In preparation for Friday's PI meeting, we need to ensure the distribution markings are properly added to your slides.

Kudu and GT please add the following markings to your slides:

DISTRIBUTION F. Further Distribution authorized only as directed by AFRL/RIGB 525 Brooks Road, Rome NY 13441 or higher DoD authority. 29 NOV 2017.

All other teams, please add the following to your slides:

DISTRIBUTION C. Distribution authorized to U.S. Government Agencies and their contractors; Administrative or Operational Use; 29 NOV 2017. Other requests for this document shall be referred to AFRL/RIGB 525 Brooks Road, Rome NY 13441.

Let me know if you have any questions.

v/r,  
Danielle

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, December 4, 2017 9:38:52 PM  
To: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>; Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>  
Subject: Re: DARPA EA PI Meeting Slides

Just sent them to you via ARMDEC.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
Sent: Monday, December 4, 2017 4:05:17 PM  
To: ncostigan@behaviorsec.com; ideutschmann@behaviorsec.com; Brian Kirk; wright@ainfosec.com; scott.tenaglia@twosixlabs.com; Antonakakis, Manos; mikef@kududyn.com; James Nuttall; Ben.Radford@soteradefense.com; schwab@isi.edu  
Cc: Keromytis, Angelos; Patel, Tejas (contr-i2o); Maddern, Thomas (contr-i2o); GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB  
Subject: RE: DARPA EA PI Meeting Slides

All,

My apologies, please keep the distro statement on the slides presented on Friday.

For future presentations, please do not include the distro statement.

Danielle

-----Original Message-----

From: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB  
Sent: Monday, December 04, 2017 3:13 PM  
To: 'ncostigan@behaviorsec.com' <ncostigan@behaviorsec.com>; 'ideutschmann@behaviorsec.com' <ideutschmann@behaviorsec.com>; 'Brian Kirk' <bkirk@behaviorsec.com>; 'wright@ainfosec.com' <wright@ainfosec.com>; 'scott.tenaglia@twosixlabs.com' <scott.tenaglia@twosixlabs.com>; 'Antonakakis, Manos' <manos@gatech.edu>; 'mikef@kududyn.com' <mikef@kududyn.com>; 'James Nuttall' <james@kududyn.com>; 'Ben.Radford@soteradefense.com' <Ben.Radford@soteradefense.com>; 'schwab@isi.edu' <schwab@isi.edu>  
Cc: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>; 'Maddern, Thomas (contr-i2o)' <Thomas.Maddern.ctr@darpa.mil>; GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <danielle.gambino@us.af.mil>  
Subject: DARPA EA PI Meeting Slides

Good Afternoon,

It was so great seeing everyone on Friday! This is a friendly reminder that the final version of your presentations are due NLT December 15. Please send them to everyone on the "cc" line via AMRDEC SAFE.

Angelos has requested that the distribution statements be removed from your presentations.



Let me know if you have any questions.

Kindest Regards,  
Danielle

Computer Scientist, Cyber Operations Branch (RIGB) Air Force Research Laboratory  
COMM: (315) 330-4822 DSN: 587-4822  
NIPR: Danielle.Gambino@us.af.mil  
JWICs: Danielle.Gambino@rome.ic.gov

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Wednesday, November 29, 2017 2:45:12 PM  
**To:** GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB<danielle.gambino@us.af.mil>  
**CC:** Antonakakis, Manos<manos@gatech.edu>; Patel, Tejas (contr-i2o)<tejas.patel.ctr@darpa.mil>; Maddern, Thomas (contr-i2o)<Thomas.Maddern.ctr@darpa.mil>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, November 29, 2017 2:45:12 PM  
**Subject:** Re: DARPA EA PI Slides Distro Statements  
**Attachments:** Nameless.txt (3.66 KB)

I think only these and Kudu's need to be Distro F. The rest can be B or C.

On Nov 29, 2017, at 09:35, GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <[danielle.gambino@us.af.mil](mailto:danielle.gambino@us.af.mil)> wrote:

Manos: Thank you - downloaded successfully.

Angelos, Tejas, Tom: We need distribution markings on all the EA slides being presented on Friday - these especially. Attached guidance as a reference. i.e. " DISTRIBUTION STATEMENT F. Further Distribution authorized only as directed by AFRL/RIGB 525 Brooks Road, Rome NY 13441 or higher DoD authority. DD MMM YYYY." Please advise how you would like the statement to read and I will send it out to all the performers.

Kindest Regards,

Danielle

-----Original Message-----

From: Antonakakis, Manos [<mailto:manos@gatech.edu>]

Sent: Tuesday, November 28, 2017 10:44 PM

To: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <[danielle.gambino@us.af.mil](mailto:danielle.gambino@us.af.mil)>

Cc: Keromytis, Angelos <[angelos.keromytis@darpa.mil](mailto:angelos.keromytis@darpa.mil)>; Patel, Tejas (contr-i2o) <[tejas.patel.ctr@darpa.mil](mailto:tejas.patel.ctr@darpa.mil)>; Maddern, Thomas (contr-i2o) <[Thomas.Maddern.ctr@darpa.mil](mailto:Thomas.Maddern.ctr@darpa.mil)>

Subject: [Non-DoD Source] Re: DARPA EA PI Meeting - Draft Slides Due

Danielle, you should have the slides via AMRDEC.

As I noted in the AMRDEC email, while I have no problem presenting them in the PI meeting, I think we should restrict the electronic distribution of this deck. There are too many TTPs listed that if they are accidentally leaked, we will be losing unique sources and methods we are using for this type of attribution analysis.

I will leave the final decision to Angelos, Tejas and Tom on this one.

Thanks,

-

Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)

Georgia Institute of Technology

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---

From: Antonakakis, Manos

Sent: Tuesday, November 28, 2017 5:32:06 PM

To: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB

Cc: Keromytis, Angelos; Patel, Tejas (contr-i2o); Maddern, Thomas (contr-i2o)

Subject: Re: DARPA EA PI Meeting - Draft Slides Due

Hey Danielle, I will send over the slide late Wednesday. Tejas and/or Angelos can explain the reason.

Thanks,

-

Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)

Georgia Institute of Technology

FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: GAMBINO, DANIELLE M CIV USAF AFMC AFRL/RIGB <[danielle.gambino@us.af.mil](mailto:danielle.gambino@us.af.mil)>

Sent: Tuesday, November 28, 2017 9:39:29 AM

To: [ncostigan@behaviorsec.com](mailto:ncostigan@behaviorsec.com); [ideutschmann@behaviorsec.com](mailto:ideutschmann@behaviorsec.com); Brian Kirk; [wright@ainfosec.com](mailto:wright@ainfosec.com); [dorar@ainfosec.com](mailto:dorar@ainfosec.com); [scott.tenaglia@invincea.com](mailto:scott.tenaglia@invincea.com);

[chris.greamo@invincea.com](mailto:chris.greamo@invincea.com); Antonakakis, Manos; [mikef@kududyn.com](mailto:mikef@kududyn.com); James Nuttall;  
[Ben.Radford@soteradefense.com](mailto:Ben.Radford@soteradefense.com); [Emmy.thompson@soteradefense.com](mailto:Emmy.thompson@soteradefense.com);  
[James.lobb@soteradefense.com](mailto:James.lobb@soteradefense.com); Michelle Lossau; [schwab@isi.edu](mailto:schwab@isi.edu); [bridgann@usc.edu](mailto:bridgann@usc.edu)

Cc: Keromytis, Angelos; Patel, Tejas (contr-i2o); Maddern, Thomas (contr-i2o); GAMBINO,  
DANIELLE M CIV USAF AFMC AFRL/RIGB

Subject: DARPA EA PI Meeting - Draft Slides Due

Good Morning,

This is a friendly reminder that your draft presentation material is due within three (3) days prior to each presentation. Please upload your slides into the TFIMS file storage area. Alternatively, you are welcome to send the slides via AMRDEC (in case TFIMS is giving you a hard time).

Looking forward to seeing everyone on Friday!

Safe Travels,

Danielle

Computer Scientist, Cyber Operations Branch (RIGB) Air Force Research Laboratory

COMM: (315) 330-4822 DSN: 587-4822

NIPR: [Danielle.Gambino@us.af.mil](mailto:Danielle.Gambino@us.af.mil)

JWICs: [Danielle.Gambino@rome.ic.gov](mailto:Danielle.Gambino@rome.ic.gov)

<Distribution Statements.png>

From: Antonakakis, Manos <manos@gatech.edu>  
Sent on: Monday, June 4, 2018 2:27:35 PM  
To: Smith, Jonathan <jonathan.smith@darpa.mil>  
CC: Kintis, Panagiotis <kintis@gatech.edu>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Re: DARPA Riser Selection

Ok, let meet in my office then at 15.30. Pano, send invites all around.

Thanks,

---

Typos due to mobile device ...

> On Jun 4, 2018, at 09:24, Smith, Jonathan <jonathan.smith@darpa.mil> wrote:

>

> Manos:

> Of course; before dinner.

> -JMS

>

>

> On 6/4/18, 9:09 AM, "Antonakakis, Manos" <manos@gatech.edu> wrote:

>

> JMS, Thursday we will have the AFOSI folks from San Antonio in the lab all day. They want a deeper dive into the analysis we will present in the PI meeting on Friday. Chris and Tejas will be there as well.

>

> If we going to make this Thursday, it has to be late afternoon (around 15.00 or later).

>

> Thanks,

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

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>

>

> \_\_\_\_\_

> From: Smith, Jonathan <jonathan.smith@darpa.mil>

> Sent: Monday, June 4, 2018 9:06:39 AM

> To: Kintis, Panagiotis; Antonakakis, Manos

> Cc: Keromytis, Angelos; Schneck, Christopher (contr-i2o)

> Subject: Re: DARPA Riser Selection

>

> Do you have time on Thu. afternoon?

> -JMS

>

>

> From: "Kintis, Panagiotis" <kintis@gatech.edu>

> Date: Friday, June 1, 2018 at 4:10 PM

> To: "Antonakakis, Manos" <manos@gatech.edu>

> Cc: "Kintis, Panagiotis" <kintis@gatech.edu>, Jonathan Smith <jonathan.smith@darpa.mil>, Angelos Keromytis <angelos.keromytis@darpa.mil>, Christopher Schneck <christopher.schneck.ctr@darpa.mil>

> Subject: Re: DARPA Riser Selection

>

> I am truly honored to participate in the Symposium as a DARPA Riser. JMS, thank you so much for the nomination and

your help! I really appreciate the opportunity to talk about our work to the rest of the community!

>  
> I am available any time next week to discuss about next steps.

>  
> Thank you,

>  
> Panagiotis (Panos), Kintis.  
> [hxxp://about.me/kintis](http://hxxp://about.me/kintis)  
> [kintis@gatech.edu](mailto:kintis@gatech.edu) <<mailto:kintis@gatech.edu>>  
> [panagiotious@gmail.com](mailto:panagiotious@gmail.com) <<mailto:panagiotious@gmail.com>>  
> P Think before you print!

>  
>  
> On Jun 1, 2018, at 15:53, Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>>> wrote:

>  
> Pano, you should thank JMS for this.  
>  
> Next week, JMS will be in town alongside Angelo and Chris. We should discuss what would be in the best interest of the program for you to present in D60.

>  
> Thanks,

>  
> —  
> Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu) <<mailto:manos@gatech.edu>>  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Kintis, Panagiotis  
> Sent: Friday, June 1, 2018 3:37:44 PM  
> To: Antonakakis, Manos  
> Subject: Fwd: DARPA Riser Selection

>  
> Received the invite for the Symposium! Need to prepare for a presentation now. We should probably talk about this after Friday!

>  
> Panagiotis (Panos), Kintis.  
> [hxxp://about.me/kintis](http://hxxp://about.me/kintis)  
> [kintis@gatech.edu](mailto:kintis@gatech.edu) <<mailto:kintis@gatech.edu>>  
> [panagiotious@gmail.com](mailto:panagiotious@gmail.com) <<mailto:panagiotious@gmail.com>>  
> P Think before you print!

>  
> Begin forwarded message:

>  
> From: DARPA60 <[DARPA60@darpa.mil](mailto:DARPA60@darpa.mil) <<mailto:DARPA60@darpa.mil>>>  
> Subject: DARPA Riser Selection  
> Date: June 1, 2018 at 15:16:44 EDT  
> To: ""[panagiotious@gmail.com](mailto:panagiotious@gmail.com) <<mailto:panagiotious@gmail.com>>""  
<[panagiotious@gmail.com](mailto:panagiotious@gmail.com) <<mailto:panagiotious@gmail.com>>>, ""[kintis@gatech.edu](mailto:kintis@gatech.edu) <<mailto:kintis@gatech.edu>>""  
<[kintis@gatech.edu](mailto:kintis@gatech.edu) <<mailto:kintis@gatech.edu>>>  
> Cc: "Smith, Jonathan" <[jonathan.smith@darpa.mil](mailto:jonathan.smith@darpa.mil) <<mailto:jonathan.smith@darpa.mil>>>, "Wilkerson, Kiely (contr-i2o)"  
<[Christine.Wilkerson.ctr@darpa.mil](mailto:Christine.Wilkerson.ctr@darpa.mil) <<mailto:Christine.Wilkerson.ctr@darpa.mil>>>, "Veney, Charlene (contr-i2o)"  
<[Charlene.Veney.ctr@darpa.mil](mailto:Charlene.Veney.ctr@darpa.mil) <<mailto:Charlene.Veney.ctr@darpa.mil>>>, DARPA60  
<[DARPA60@darpa.mil](mailto:DARPA60@darpa.mil) <<mailto:DARPA60@darpa.mil>>>, "Higgins, Stacey (contr-fld)"  
<[stacey.higgins.ctr@darpa.mil](mailto:stacey.higgins.ctr@darpa.mil) <<mailto:stacey.higgins.ctr@darpa.mil>>>

>

> Dear Mr. Kintis,

>

> Congratulations! The Defense Advanced Research Projects Agency (DARPA) has selected you to participate in the D60, the Agency's 60th Anniversary Symposium, as a DARPA Riser. The events take place September 5-7, 2018, at the Gaylord National in National Harbor, Maryland.

>

> Please see attached for an official selection letter from Dr. Steven H. Walker, DARPA Director.

>

> Confirmation of your participation is required no later than June 15, 2018. Please email your response to darpa60@darpa.mil <<mailto:darpa60@darpa.mil>>.

>

> We look forward to working with you!

> Best regards,

> D60 Planning Team

>

>

>

>

>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, November 29, 2018 12:43:55 AM  
To: Newman, Randyll E - GOV <randyll.e.newman@NCIS.NAVY.MIL>; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Re: Data source

Hey Randyll, very please to meet you today. As we talked about, let's coordinate with Michael and get you and you team visiting Georgia Tech.

Chris/Angelos, this is just an FYI-. If we want to be part of this meeting, we would be happy to include you.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Newman, Randyll E - GOV <randyll.e.newman@NCIS.NAVY.MIL>  
Sent: Wednesday, November 28, 2018 9:47:55 AM  
To: Antonakakis, Manos  
Subject: Data source

Manos

It was nice to meet you. I would like to come down to GTRI and see what you have to offer and to present our needs to you.

Tejas Patel advised GTRI has a data source he was using. Can we get access this data source?

Randyll Newman  
Deputy Assistant Director  
NCIS Cyber Capabilities Integration  
(571) 305-9904



From: Rodney Joffe <rodney.joffe@team.neustar>  
Sent on: Friday, February 12, 2021 5:17:55 PM  
To: Manos Antonakakis <manos@gatech.edu>  
CC: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
Subject: Re: Data subscription extension

We're on it.

> On Feb 12, 2021, at 11:51 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> OK, let start asap. I cannot go back to DARPA and say that I cannot do this because GT is not moving fast enough. I will lose face.

>

> Manos

>

> From: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

> Date: Friday, February 12, 2021 at 11:31 AM

> To: Antonakakis, Manos <manos@gatech.edu>, Rodney Joffe <rodney.joffe@team.neustar>

> Subject: RE: Data subscription extension

>

> Manos,

>

> It really depends on how quickly the subsidiary is able to get registered in the system (outside of our control), send us the quote, and how responsive they are to the inquiries and requests for documentation that procurement needs. I would say probably 3 weeks on the short side accounting for some back and forth between supplier and contracting officer.

>

> Rodney,

>

> Would you please have the new company register as a vendor in our system. No action on our part can be completed until we have the quote and the new company's registration is done. This link will allow for a new account to be set up, including routing details for payments on future invoices. A new PO will be issued.

>

>

> <https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwd5.myworkdaysite.com%2Fsupplier%2Fgatech%2FS>

>

> Let me know if you have questions!

>

> M

>

>

> From: Antonakakis, Manos <manos@gatech.edu>

> Sent: Friday, February 12, 2021 9:29 AM

> To: Rodney Joffe <rodney.joffe@team.neustar>; Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

> Subject: Re: Data subscription extension

>

> Rodney this makes sense.

>

> Michael, can I get an ETA on this being one?

>

> Thanks, Manos

>

> From: Rodney Joffe <rodney.joffe@team.neustar>

> Date: Thursday, February 11, 2021 at 9:39 PM

> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

> Cc: Antonakakis, Manos <manos@gatech.edu>

> Subject: Re: Data subscription extension

>

> Hello Michael,

>

> Thank you for the opportunity.

>

> I will have the quote prepared for you by Monday. It will be a new quote, with the same general terms and conditions as the original contract. However, it will cover 3 months, and it will confirm that if needed, an additional PO for the remainder of 2021 will be valid at the same rate and terms.

>

> Will this work for your purposes, or will you need any other changes?

>

> One point from Neustar's side - we now contract for all sensitive contracts through our Government Subsidiary, ERP Services, Inc, a wholly owned subsidiary of Neustar, Inc. I assume this will also not be an issue for you?

>

> Regards

> Rodney

> =====

> Rodney Joffe

> SVP, and Fellow

> National Security Executive

> Neustar, Inc.

> 45980 Center Oak Plaza

> Sterling VA 20166

> USA

> +1 202-533-2900 Direct

> +1 602-418-6471 Cell

> rodney.joffe@team.neustar

>

> > On Feb 11, 2021, at 5:05 PM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:

> >

> > Good Afternoon Rodney,

> >

> > I spoke with Manos earlier today regarding the short term extension of our project and the need to extend our data subscription. Would you be able to provide me with a quote for the additional period you discussed? I would greatly appreciate it!

> >

> > Thanks,

> >

> > Michael Mitchell

> >

> > Research Operations Program Manager

> > GEORGIA Institute

> > of TECH nology

> > School of Electrical and Computer Engineering

> > 777 Atlantic Drive NW

> > Atlanta, GA 30332-0765

> > Office: 404-385-8122

> > Mobile: 770-655-8039

>

From: Rodney Joffe <rodney.joffe@team.neustar>  
Sent on: Wednesday, April 14, 2021 7:42:47 PM  
To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
CC: Manos Antonakakis <manos@gatech.edu>; Colin Monaghan <colin.monaghan@team.neustar>  
Subject: Re: Data subscription extension

Hello Michael,

Many thanks. Putting it into process now.

Regards  
Rodney

> On Apr 14, 2021, at 2:31 PM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:

>

> Hey Rodney,

>

> I was following up on the requisition that I put in for this and found that the PO was executed for this. The PO number is PO-5145022. If you have not yet done so, would you please send an invoice for this PO to apinvoices@gatech.edu with a subject line of PO-5145022?

>

> Let me know if you have any questions or need help on this.

>

> Thanks!

>

> Michael

>

> -----Original Message-----

> From: Rodney Joffe <rodney.joffe@team.neustar>

> Sent: Friday, February 12, 2021 2:57 PM

> To: Antonakakis, Manos <manos@gatech.edu>

> Cc: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

> Subject: Re: Data subscription extension

>

> Hi Manos and Michael,

>

> We think we have accurately completed the registration form. Please let me know if there is anything else needed.

>

> Thanks!

> Rodney

>

>

>> On Feb 12, 2021, at 11:51 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>>

>> OK, let start asap. I cannot go back to DARPA and say that I cannot do this because GT is not moving fast enough. I will lose face.

>>

>>

>>

>> Manos

>>

>>

>>

>> From: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>> Date: Friday, February 12, 2021 at 11:31 AM

>> To: Antonakakis, Manos <manos@gatech.edu>, Rodney Joffe <rodney.joffe@team.neustar>

>> Subject: RE: Data subscription extension

>>

>> Manos,

>>

>>

>>

>> It really depends on how quickly the subsidiary is able to get registered in the system (outside of our control), send us the quote, and how responsive they are to the inquiries and requests for documentation that procurement needs. I would say probably 3 weeks on the short side accounting for some back and forth between supplier and contracting officer.

>>

>>

>>

>> Rodney,

>>

>>

>>

>> Would you please have the new company register as a vendor in our system. No action on our part can be completed until we have the quote and the new company's registration is done. This link will allow for a new account to be set up, including routing details for payments on future invoices. A new PO will be issued.

>>

>>

>>

>>

[https://urldefense.com/v3/ https://nam12.safelinks.protection.outlook.com/?url=https\\*3A\\*2F\\*2Fwd5.myworkdaysite.com\\*2fPRReRde8WJTHWYIs0KygZULJChquUn\\_8DaNIm777TynPgnw\\$](https://urldefense.com/v3/https://nam12.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwd5.myworkdaysite.com%2FPRReRde8WJTHWYIs0KygZULJChquUn_8DaNIm777TynPgnw$)

>>

>>

>>

>> Let me know if you have questions!

>>

>>

>>

>> M

>>

>>

>>

>>

>>

>> From: Antonakakis, Manos <manos@gatech.edu>

>> Sent: Friday, February 12, 2021 9:29 AM

>> To: Rodney Joffe <rodney.joffe@team.neustar>; Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>> Subject: Re: Data subscription extension

>>

>>

>>

>> Rodney this makes sense.

>>

>>

>>

>> Michael, can I get an ETA on this being one?

>>

>>

>>

>> Thanks, Manos

>>

>>

>>  
>> From: Rodney Joffe <rodney.joffe@team.neustar>  
>> Date: Thursday, February 11, 2021 at 9:39 PM  
>> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
>> Cc: Antonakakis, Manos <manos@gatech.edu>  
>> Subject: Re: Data subscription extension  
>>  
>> Hello Michael,  
>>  
>> Thank you for the opportunity.  
>>  
>> I will have the quote prepared for you by Monday. It will be a new quote, with the same general terms and conditions as the original contract. However, it will cover 3 months, and it will confirm that if needed, an additional PO for the remainder of 2021 will be valid at the same rate and terms.  
>>  
>> Will this work for your purposes, or will you need any other changes?  
>>  
>> One point from Neustar's side - we now contract for all sensitive contracts through our Government Subsidiary, ERP Services, Inc, a wholly owned subsidiary of Neustar, Inc. I assume this will also not be an issue for you?  
>>  
>> Regards  
>> Rodney  
>> =====  
>> Rodney Joffe  
>> SVP, and Fellow  
>> National Security Executive  
>> Neustar, Inc.  
>> 45980 Center Oak Plaza  
>> Sterling VA 20166  
>> USA  
>> +1 202-533-2900 Direct  
>> +1 602-418-6471 Cell  
>> rodney.joffe@team.neustar  
>>  
>>> On Feb 11, 2021, at 5:05 PM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:  
>>>  
>>> Good Afternoon Rodney,  
>>>  
>>> I spoke with Manos earlier today regarding the short term extension of our project and the need to extend our data subscription. Would you be able to provide me with a quote for the additional period you discussed? I would greatly appreciate it!  
>>>  
>>> Thanks,  
>>>  
>>> Michael Mitchell  
>>>  
>>> Research Operations Program Manager  
>>> GEORGIA Institute  
>>> of TECH nology  
>>> School of Electrical and Computer Engineering  
>>> 777 Atlantic Drive NW  
>>> Atlanta, GA 30332-0765  
>>> Office: 404-385-8122  
>>> Mobile: 770-655-8039  
>>  
>>  
>>

>>

>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, January 31, 2018 8:53:56 PM  
To: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: Dates and IPs

Will do tonight. Catching up with many things today.

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Sent: Wednesday, January 31, 2018 3:13:05 PM  
To: Antonakakis, Manos  
Cc: Keromytis, Angelos  
Subject: Dates and IPs

Manos,

Have you had a chance to look at the sheet Angelos gave you on a Monday?

Regards,  
Tejas

Sent from my iPhone

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Friday, February 2, 2018 12:52:13 AM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Friday, February 2, 2018 12:52:12 AM

Subject: Re: Dates and IPs

Attachments: Nameless.txt (1.84 KB)



From: Rodney Joffe <rodney.joffe@team.neustar>

Sent on: Monday, February 18, 2019 2:59:56 AM

To: Adm. Mike Mullen <mike.mullen@mgmconsulting.net>

CC: Charlie Gottdiener <Charles.Gottdiener@team.neustar>; Achanta, Venkat <Venkat.Achanta@team.neustar>; Manos Antonakakis <manos@gatech.edu>; Dr. Angelos Keromytis Ph.D. <angelos@gatech.edu>; Karin Vernazza <karin.vernazza@mgmconsulting.net>

Subject: Re: Dinner, Kyma Greek Restaurant

Ack. I will add her as an option attendee.

At Neustar our EAs get the notifications automatically.

> On Feb 17, 2019, at 9:58 PM, Mike Mullen <mike.mullen@mgmconsulting.net> wrote:

>  
> Rodney, as you generate these schedules, please copy Karin. Thanks, Mike

>> On Feb 17, 2019, at 4:57 PM, Joffe, Rodney <Rodney.Joffe@team.neustar> wrote:

>> When: Wednesday, March 27, 2019 6:05 PM-8:00 PM. (UTC-05:00) Eastern Time (US & Canada)

>> Where: 3085 Piedmont Rd NE, Atlanta, GA 30305

>> \*~\*~\*~\*~\*~\*~\*~\*~\*~\*

>> <https://buckheadrestaurants.com/restaurant/kyma/>

>> <Mail Attachment.ics>

>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>

Sent on: Tuesday, February 27, 2018 12:31:51 AM

To: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; Denz, Mary (contr-i2o) <mary.denz.ctr@darpa.mil>; Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>; Beltz, Steven <steven.beltz@darpa.mil>

Subject: Re: Dinner

Folks, it will take me roughly 20 minutes to drive up the 5th street during that time of the day. May I trouble you with a .5M (or 10 minutes) walk between Renaissance and Klaus Advance Computing building?

<https://maps.google.com/?q=118a+Ferst+Dr+NW&entry=gmail&source=g>

I will be waiting you downstairs and will drive you to and from the restaurant. The 5th street is notoriously bad that time of the day.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>

Sent: Monday, February 26, 2018 1:19 PM

To: Keromytis, Angelos; Denz, Mary (contr-i2o); Maddern, Thomas (contr-i2o); Beltz, Steven; Antonakakis, Manos

Subject: Dinner

When: Thursday, March 1, 2018 6:30 PM-8:30 PM.

Where: Kyma, 3085 Piedmont Rd NE, Atlanta, GA 30305

Reservations are for 1830.

Manos and Angelos to coordinate transportation to/from hotel (Renaissance, 866 W Peachtree St NW, Atlanta, GA 30308) to Kyma (3085 Piedmont Rd NE, Atlanta, GA 30305).

Angelos, Mary, and Tom will be together.

Tejas will be arriving separate.

Steve has not booked tickets yet and is a maybe.

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, February 27, 2018 1:11:38 AM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>; Denz, Mary (contr-i2o) <mary.denz.ctr@darpa.mil>; Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>; Beltz, Steven <steven.beltz@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, February 27, 2018 1:11:37 AM

Subject: Re: Dinner

Attachments: Nameless.txt (1.39 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, April 6, 2018 4:51:51 PM  
To: Smith, Jonathan <jonathan.smith@darpa.mil>  
CC: Everett, John <john.everett@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: Discussion follow up and information sharing

Here you go, JMS.

campus2-rtr (cisco WS-C6509-V-E) -> BCDC1-rtr (cisco WS-C6509-V-E) -> bcdc-nexus-K29-UP-A (cisco Nexus 5596 Chassis with FEXs)

```
campus2-rtr#sh ver
Cisco IOS Software, s2t54 Software (s2t54-ADVIPSERVICESK9-M), Version 15.1(2)SY6, RELEASE SOFTWARE (fc4)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2015 by Cisco Systems, Inc.
Compiled Thu 10-Sep-15 01:36 by prod_rel_team
```

```
ROM: System Bootstrap, Version 12.2(50r)SYS2, RELEASE SOFTWARE (fc1)
```

```
campus2-rtr uptime is 1 year, 35 weeks, 3 days, 21 hours, 19 minutes
Uptime for this control processor is 1 year, 28 weeks, 13 hours, 45 minutes
System returned to ROM by Stateful Switchover
System restarted at 20:29:54 EDT Sat Sep 17 2016
System image file is "bootdisk:s2t54-advipservicesk9-mz.SPA.151-2.SY6.bin"
Last reload reason: power-on
```

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:  
<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

```
cisco WS-C6509-V-E (M8572) processor (revision ) with 1785856K/262144K bytes of memory.
Processor board ID FOX1418GY6U
CPU: MPC8572_E, Version: 2.2, (0x80E80022)
CORE: E500, Version: 3.0, (0x80210030)
CPU:1500MHz, CCB:600MHz, DDR:600MHz
L1: D-cache 32 kB enabled
I-cache 32 kB enabled
```

```
Last reset from power-on
57 Virtual Ethernet interfaces
```

102 Gigabit Ethernet interfaces  
44 Ten Gigabit Ethernet interfaces  
16 Forty Gigabit Ethernet interfaces  
2543K bytes of non-volatile configuration memory.

Configuration register is 0x2102

bcdc1-rtr#sh ver

Cisco IOS Software, s2t54 Software (s2t54-ADVIPSERVICESK9-M), Version 15.2(1)SY1a, RELEASE SOFTWARE (fc6)

Technical Support: <http://www.cisco.com/techsupport>

Copyright (c) 1986-2015 by Cisco Systems, Inc.

Compiled Tue 29-Sep-15 15:57 by prod\_rel\_team

ROM: System Bootstrap, Version 12.2(50r)SYS3, RELEASE SOFTWARE (fc1)

bcdc1-rtr uptime is 1 year, 14 weeks, 4 days, 3 hours, 35 minutes

Uptime for this control processor is 1 year, 14 weeks, 4 days, 3 hours, 36 minutes

System returned to ROM by reload at 05:37:25 EST Wed Dec 21 2016

System restarted at 05:38:58 EST Wed Dec 21 2016

System image file is "bootdisk:s2t54-advipservicesk9-mz.SPA.152-1.SY1a.bin"

Last reload reason: Admin CLI

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:

<http://www.cisco.com/wwl/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to [export@cisco.com](mailto:export@cisco.com).

cisco WS-C6509-V-E (M8572) processor (revision ) with 1785856K/262144K bytes of memory.

Processor board ID FOX1210G4ZX

CPU: MPC8572\_E, Version: 2.2, (0x80E80022)

CORE: E500, Version: 3.0, (0x80210030)

CPU:1500MHz, CCB:600MHz, DDR:600MHz

L1: D-cache 32 kB enabled

I-cache 32 kB enabled

Last reset from s/w reset

62 Virtual Ethernet interfaces

102 Gigabit Ethernet interfaces

117 Ten Gigabit Ethernet interfaces

8 Forty Gigabit Ethernet interfaces

2543K bytes of non-volatile configuration memory.

Configuration register is 0x2102

bcdc-nexus-K29-UP-A# sh ver

Cisco Nexus Operating System (NX-OS) Software

TAC support: <http://www.cisco.com/tac>

Documents: [http://www.cisco.com/en/US/products/ps9372/tsd\\_products\\_support\\_series\\_home.html](http://www.cisco.com/en/US/products/ps9372/tsd_products_support_series_home.html)

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<http://www.gnu.org/licenses/gpl.html>.

#### Software

BIOS: version 3.6.0

loader: version N/A

kickstart: version 6.0(2)N2(3)

system: version 6.0(2)N2(3)

Power Sequencer Firmware:

Module 1: version v5.0

Module 2: version v1.0

Module 3: version v1.0

Microcontroller Firmware: version v1.0.0.2

SFP uC: Module 1: v1.0.0.0

QSFP uC: Module not detected

BIOS compile time: 05/09/2012

kickstart image file is: bootflash:///n5000-uk9-kickstart.6.0.2.N2.3.bin

kickstart compile time: 12/17/2013 2:00:00 [12/17/2013 07:52:59]

system image file is: bootflash:///n5000-uk9.6.0.2.N2.3.bin

system compile time: 12/17/2013 2:00:00 [12/17/2013 11:02:31]

#### Hardware

cisco Nexus 5596 Chassis ("O2 48X10GE/Modular Supervisor")

Intel(R) Xeon(R) CPU with 8253856 kB of memory.

Processor Board ID JAF1521CNNE

Device name: bcdc-nexus-K29-UP-A

bootflash: 2007040 kB

Kernel uptime is 1507 day(s), 1 hour(s), 36 minute(s), 32 second(s)

Last reset at 972228 usecs after Sat Feb 15 07:42:54 2014

Reason: Reset Requested by CLI command reload

System version: 6.0(2)N2(3)

Service:

plugin

Core Plugin, Ethernet Plugin, Fc Plugin

bcdc-nexus-K29-UP-A#

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Smith, Jonathan <jonathan.smith@darpa.mil>  
Sent: Friday, April 6, 2018 11:47:19 AM  
To: Antonakakis, Manos  
Cc: Everett, John; Keromytis, Angelos  
Subject: Re: Discussion follow up and information sharing

Manos:  
Is it possible to get us the software/firmware versions running on the routers?  
Thanks,  
-JMS

On 4/6/18, 7:44 AM, "Antonakakis, Manos" <manos@gatech.edu> wrote:

cisco Nexus 5596 Chassis with FEXs

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Friday, April 6, 2018 7:55:35 AM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Everett, John <john.everett@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Friday, April 6, 2018 7:45:55 AM

Subject: Re: Discussion follow up and information sharing

Attachments: Nameless.txt (1.39 KB)



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, June 14, 2018 7:09:50 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, June 14, 2018 7:09:47 PM

Subject: Re: DNS Data Availability

Attachments: Nameless.txt (3.63 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, November 17, 2017 7:39:54 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: Re: DoD Employee looking for contact info (Cyber Attribution Team)

ack

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Friday, November 17, 2017 2:25:14 PM  
To: Antonakakis, Manos; Patel, Tejas (contr-i2o)  
Subject: RE: DoD Employee looking for contact info (Cyber Attribution Team)

Ignore the fact she's at NPS or the Navy. Respond as you would to anyone else.  
-Angelos

-----Original Message-----

From: Antonakakis, Manos [<mailto:manos@gatech.edu>]  
Sent: Friday, November 17, 2017 2:07 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>; Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: Fwd: DoD Employee looking for contact info (Cyber Attribution Team)

How should I handle this?

---  
Typos due to mobile device ...

Begin forwarded message:

From: "Keen, Kayla (CIV)" <knkeen@nps.edu <<mailto:knkeen@nps.edu>> >  
Date: November 17, 2017 at 12:42:16 EST  
To: "manos@gatech.edu <<mailto:manos@gatech.edu>> " <manos@gatech.edu <<mailto:manos@gatech.edu>> >  
Subject: RE: DoD Employee looking for contact info (Cyber Attribution Team)

Professor Antonakakis,

My name is Kayla Keen. I am a DoD civilian employee, currently pursuing my PhD in Computer Science at the Naval Postgraduate School (NPS). I am trying to narrow down a topic for my dissertation research and am particularly interested in attribution information gained from binaries. I found your research in my deep dive, and was interested in learning more. Please let me know if you are interested in collaborating; I would be happy to set up a short meeting.

R,

Kayla

Kayla Keen

(443) 975-8064

knkeen@nps.edu <<mailto:knkeen@nps.edu>>

kayla.keen@navy.mil <<mailto:kayla.keen@navy.mil>>

---

From: Toon, John D [john.toon@comm.gatech.edu <<mailto:john.toon@comm.gatech.edu>> ]  
Sent: Thursday, November 16, 2017 6:00 PM  
To: Keen, Kayla (CIV)  
Cc: kayla.keen@navy.mil <<mailto:kayla.keen@navy.mil>>  
Subject: RE: DoD Employee looking for contact info (Cyber Attribution Team)

Hi Kayla,

Thanks for your interest. I might suggest you contact Manos Antonakakis. He's a professor in our School of Electrical Engineering and one of the principal researchers involved in the work.

manos@gatech.edu <<mailto:manos@gatech.edu>>

From: Keen, Kayla (CIV) [<mailto:knkeen@nps.edu>]  
Sent: Thursday, November 16, 2017 7:59 PM  
To: Toon, John D <john.toon@comm.gatech.edu <<mailto:john.toon@comm.gatech.edu>> >  
Cc: kayla.keen@navy.mil <<mailto:kayla.keen@navy.mil>>  
Subject: DoD Employee looking for contact info (Cyber Attribution Team)

John,

I saw you listed as a POC in the following article: <http://www.rh.gatech.edu/news/584327/17-million-contract-will-help-establish-science-cyber-attribution> <<http://www.rh.gatech.edu/news/584327/17-million-contract-will-help-establish-science-cyber-attribution>>

My name is Kayla Keen. I am a DoD civilian employee, currently pursuing my PhD in Computer Science at the Naval Postgraduate School (NPS).

I am trying to narrow down a topic for my dissertation research and am particularly interested in security aspects of computing, including attribution.

Specifically, I was hoping you could provide contact information for Michael Farrell (<https://iisp.gatech.edu/michael-farrell>) or another POC on the Attribution team.

Thanks!

R,

Kayla

Kayla Keen

(443) 975-8064

knkeen@nps.edu <<mailto:knkeen@nps.edu>>

kayla.keen@navy.mil <<mailto:kayla.keen@navy.mil>>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, September 6, 2017 1:19:30 AM  
To: Aaron, David (NSD) <David.Aaron2@usdoj.gov>; [REDACTED]  
CC: Myers, Zachary (USAMD) <Zachary.Myers@usdoj.gov>; Mitchell, Nicolas (USAMD) <Nicolas.Mitchell@usdoj.gov>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: DOJ contact - Case #2

Hey David, very pleased to meet you Sir.

Dave Dagon (CCed) and I are working on a full report for you. We expect to have this ready by the 15th, however, this depends on both the load at the Georgia Tech cluster and the findings as more analysis comes to us from the Attribution Framework.

Please stay tuned --- we will pass information to you asap.

BTW, can you guys use PGP at all?

Cheers,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Aaron, David (NSD) <David.Aaron2@usdoj.gov>  
Sent: Tuesday, September 5, 2017 6:22:32 PM  
To: Antonakakis, Manos  
Cc: Myers, Zachary (USAMD); Mitchell, Nicolas (USAMD); Keromytis, Angelos  
Subject: DOJ contact - Case #2

Manos,

Angelos passed along your email address. I'm his contact at DOJ for Case #2. I wanted to introduce myself in case we have additional information or follow-up questions. I've copied my colleagues, Zach Myers and Nick Mitchell.

Thank you very much for your work on this.

-David

David Aaron  
U.S. Department of Justice  
(202) 307-5190

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, September 6, 2017 12:38:49 AM

To: Aaron, David (NSD) <David.Aaron2@usdoj.gov>

CC: Antonakakis, Manos <manos@gatech.edu>; ██████████ Myers, Zachary (USAMD) <Zachary.Myers@usdoj.gov>;

Mitchell, Nicolas (USAMD) <Nicolas.Mitchell@usdoj.gov>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, September 6, 2017 12:38:44 AM

Subject: Re: DOJ contact - Case #2

Attachments: Nameless.txt (1.59 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, March 31, 2018 10:57:51 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: Domains used in a spear-phish

Give me a call when you see this.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Saturday, March 31, 2018 11:43:52 AM  
To: Antonakakis, Manos  
Subject: Re: Domains used in a spear-phish

Lowest priority. Wait until after the paper.

Dr Angelos D. Keromytis  
Program Manager, Information Innovation Office (I2O)  
DARPA  
675 N. Randolph Street  
Arlington, VA 22203

(T) 571-218-4290

Angelos.Keromytis@darpa.mil <mailto:Angelos.Keromytis@darpa.mil> (NIPR)  
Angelos.Keromytis@darpa.smil.mil <mailto:Angelos.Keromytis@darpa.smil.mil> (SIPR)  
Angelos.Keromytis@darpa.ic.gov <mailto:Angelos.Keromytis@darpa.ic.gov> (JWICS)

On Mar 31, 2018, at 11:35 AM, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

I will take a look at it. Panos is working on a paper.

—  
Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil>>  
Sent: Saturday, March 31, 2018 11:31:27 AM  
To: Antonakakis, Manos  
Subject: Fwd: Domains used in a spear-phish

Can you ask Pano to take a \*quick\* look?

Dr Angelos D. Keromytis  
Program Manager, Information Innovation Office (I2O)

DARPA  
675 N. Randolph Street  
Arlington, VA 22203

(T) 571-218-4290

Angelos.Keromytis@darpa.mil<mailto:Angelos.Keromytis@darpa.mil> <mailto:Angelos.Keromytis@darpa.mil> (NIPR)  
Angelos.Keromytis@darpa.smil.mil<mailto:Angelos.Keromytis@darpa.smil.mil> <mailto:Angelos.Keromytis@darpa.smil.mil>  
(SIPR)  
Angelos.Keromytis@darpa.ic.gov<mailto:Angelos.Keromytis@darpa.ic.gov> <mailto:Angelos.Keromytis@darpa.ic.gov>  
(JWICS)

Begin forwarded message:

From: "Ha, Henry K. (CYD) (FBI)" <hha@fbi.gov<mailto:hha@fbi.gov> <mailto:hha@fbi.gov>>  
Subject: Domains used in a spear-phish  
Date: March 30, 2018 at 10:59:47 AM EDT  
To: "angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil> <mailto:angelos.keromytis@darpa.mil>"  
<angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil> <mailto:angelos.keromytis@darpa.mil>>  
Cc: "Knapp, Chad A. (OC) (FBI)" <caknapp@fbi.gov<mailto:caknapp@fbi.gov> <mailto:caknapp@fbi.gov>>, "Valentine,  
Dennis N. (ITADD) (FBI)" <dnvalentine@fbi.gov<mailto:dnvalentine@fbi.gov> <mailto:dnvalentine@fbi.gov>>

PM Angelos Keromytis,

FYI, I received your contact information from my colleague, SSA Chad Knapp.

I am currently looking into a spear-phish campaign that occurred between February 26, 2018 and March 27, 2018. The emails included links to the following domains: "cloud-conf.org<http://cloud-conf.org> <http://cloud-conf.org>" and "zacksmarket.com<http://zacksmarket.com> <http://zacksmarket.com>".

I was wondering if you could check your holdings for information relating to those domains. It would be great to see if there was also activity before and after the date range listed above.

Please let me know if you have any questions. Thank you.

Regards,  
FBI SSA Henry Ha  
Desk: 703-633-5644



**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Tuesday, January 30, 2018 11:18:23 AM  
**To:** Chen, Tim<tim@domaintools.com>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, January 30, 2018 11:18:22 AM  
**Subject:** Re: DomainTools POC  
**Attachments:** Nameless.txt (752 Bytes)

Tim, nice to meet you too. How's your Wednesday?

Best,

-Angelos

On Jan 26, 2018, at 19:28, Chen, Tim <[tim@domaintools.com](mailto:tim@domaintools.com)> wrote:

Thanks Manos.

Hi Angelos,

Very nice to meet you. I will make myself available to you at any time.

Here is my personal cell number: [REDACTED]. Otherwise, happy to set up a dedicated time to speak next week.

Tim

On Thu, Jan 25, 2018 at 9:13 PM, Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)> wrote:

Anegle, please meet Tim. He is running DomainTools and he can answer all questions you might have around the WHOIS data GT uses for our analysis and modeling.

Tim, Angelos is our Program Manager from DARPA. You can trust him fully.

Thanks, Manos

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, December 13, 2017 4:58:51 PM  
To: Hall, John <John.Hall@team.neustar>  
CC: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Re: EA Option Year for NEUSTSAR

John, please work with Michael directly. The funds are here, and I approved this PO yesterday in the internal system.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

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From: Hall, John <John.Hall@team.neustar>  
Sent: Wednesday, December 13, 2017 11:48 AM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney  
Subject: EA Option Year for NEUSTSAR

Hi Manos,

I hope you and your team are doing well as we head into the holiday season and end of calendar year. I have been working with Michael Mitchell to try to get the PO for the first EA option year of our DNS data. If you take a look below, you'll see that Michael is doing what he can to work with your contracting folks but, since its pretty important for us to be able to book the option year in 2017, I'm writing to ask you to take a quick look at the situation. If there is anything I can do to facilitate, I will make myself available for a call and can even fly down if that would help.

Thanks in advance - looking forward to working with you on HACCS in the new year!

John W Hall  
Neustar, Inc. / Sr. Director - Federal Business  
[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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---

On 12/11/17, 5:00 PM, "Mitchell, Michael F"  
<michael.mitchell@ece.gatech.edu> wrote:

>Hey John,

>

>I have everything on my end to submit this for issuing the PO. I know the  
>person who usually works on these types of POs and I will get in contact  
>with her and see if we can move this through their process quickly.

>

>Thanks for your help!

>

>MM

>

>-----Original Message-----

>From: Hall, John [<mailto:John.Hall@team.neustar>]

>Sent: Monday, December 11, 2017 12:16 PM

>To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>Cc: Carter, Anita M <anita.carter@ece.gatech.edu>

>Subject: Re: [EXTERNAL] RE: Georgia Tech BuzzMart, PO#: 2100362915

>

>Hello Michael / Anita, Are you all etc provide an update on your process?

>

>Thanks in advance

>

>John W Hall

>Neustar, Inc. / Sr. Director - Federal Business

>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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>>>On 12/7/17, 9:42 AM, "Mitchell, Michael F"

>>><michael.mitchell@ece.gatech.edu> wrote:

>>>

>>>>Good Morning John

>>>>

>>>>First let me start by apologizing for the delay on this. This is  
>>>>something that we should have been able to get this turned around  
>>>>much faster than we have so far. Given my newness to this position I  
>>>>have had some difficulty getting things moving in the right direction  
>>>>and getting this process started. I am working very closely with  
>>>>procurement to get this done.

>>>>

>>>>I will need a new quote for the \$350,000 this year in order to get  
>>>>things approved, since the old quote was only good until 12/01/2016.  
>>>>Once I have that I will be able to work on finalizing the new PO.

>>>>

>>>>Again my deepest apologies for the delay, and just be patient a bit  
>>>>longer so I can get this done.

>>>>

>>>>

>>>>Michael Mitchell

>>>>

>>>>Research Operations Program Manager  
>>>>GEORGIA Institute  
>>>>of TECH nology  
>>>>School of Electrical and Computer Engineering  
>>>>777 Atlantic Drive NW  
>>>>Atlanta, GA 30332-0765

>>>>

>>>>

>>>>

>>>>-----Original Message-----

>>>>From: Hall, John [<mailto:John.Hall@team.neustar>]

>>>>Sent: Thursday, November 30, 2017 12:26 PM

>>>>To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>>>>Cc: Carter, Anita M <anita.carter@ece.gatech.edu>

>>>>Subject: Re: [EXTERNAL] RE: Georgia Tech BuzzMart, PO#: 2100362915

>>>>

>>>>Hi Michael - as you can imagine, I am getting inquiries on the



>>>>possibility of getting us the PO this week so we can book it in  
>>>>November?

>>>>

>>>>Let me know / thanks in advance

>>>>

>>>>John W Hall

>>>>Neustar, Inc. / Sr. Director - Federal Business

>>>>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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>>>>>On 11/20/17, 11:03 AM, "Mitchell, Michael F"

>>>>><michael.mitchell@ece.gatech.edu> wrote:

>>>>>

>>>>>>Hey John,

>>>>>>

>>>>>>Thanks for getting this to me. The total number is accurate, the

>>>>>>yearly totals are a bit different, but not a big deal.

>>>>>>

>>>>>>Based on what I am seeing in our internal accounts we had issued a

>>>>>>PO for \$1,000,000. We have executed and paid for that in full. Now

>>>>>>we need to create and issue a PO for the new amount of \$350,000 per

>>>>>>the outline you provided. Right?

>>>>>>

>>>>>>MM

>>>>>>

>>>>>>-----Original Message-----

>>>>>>From: Hall, John [<mailto:John.Hall@team.neustar>]

>>>>>>Sent: Monday, November 20, 2017 10:52 AM

>>>>>>To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>

>>>>>>Subject: FW: Georgia Tech BuzzMart, PO#: 2100362915

>>>>>>

>>>>>>Hi Michael, Here is the original award email with the two

>>>>>>attachments we discussed. Let me know if you have any questions or

>>>>>concerns.

>>>>>

>>>>>Thanks in advance!

>>>>>

>>>>>John W Hall

>>>>>Neustar, Inc. / Sr. Director Federal Business

>>>>>[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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>>>>>original message

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>>>>>On 12/22/16, 4:08 PM, "support@sciquest.com" <support@sciquest.com>

>>>>>wrote:

>>>>>

>>>>>>Attached to this email is Purchase Order Number 2100362915 for

>>>>>>Georgia Institute of Technology. Please note that there may be

>>>>>>additional supporting documents attached as well.

>>>>>

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From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Sunday, January 28, 2018 12:49:42 PM  
To: Smith, Jonathan <jonathan.smith@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: EA Site Visit: GTRC

Gentlemen, the time for this invite is Mon 1/29/2018 12:00a - 4:00a. That is tomorrow, which is not possible. The EA site visit was set up by Tejas to be on Friday 02/03, between 13.00 and 17.00 (after Alenka's review).

Am I missing something here or this is just a mistake?

Many thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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From: Smith, Jonathan <jonathan.smith@darpa.mil>  
Sent: Sunday, January 28, 2018 6:09:11 AM  
To: Beltz, Steven; Danielle Gambino (danielle.gambino@us.af.mil); Denz, Mary (contr-i2o); Keromytis, Angelos; Maddern, Thomas (contr-i2o); Antonakakis, Manos  
Subject: EA Site Visit: GTRC  
When: Monday, January 29, 2018 12:00 AM-4:00 AM.  
Where: Klaus Advanced Computing Building, Ferst Dr NW, Atlanta, GA 30313

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Sunday, January 28, 2018 4:45:33 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Sunday, January 28, 2018 4:45:32 PM

Subject: Re: EA Site Visit: GTRC

Attachments: Nameless.txt (1.04 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Saturday, April 21, 2018 3:48:04 PM  
To: Gregory Neal Akers (gakers) <gakers@cisco.com>; Smith, Jonathan <jonathan.smith@darpa.mil>  
CC: Kim Deane (kdeane) <kdeane@cisco.com>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: E-introduction

Status update, Gentlemen.

JMS, talked with Greg and Jared (leader of the forensic team our of Knoxville) this morning. We have a game-plan in mind, and we will update you as discoveries being made.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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From: Antonakakis, Manos  
Sent: Wednesday, April 18, 2018 8:44:47 PM  
To: Gregory Neal Akers (gakers); Smith, Jonathan  
Cc: Kim Deane (kdeane); Keromytis, Angelos  
Subject: Re: E-introduction

Hey Greg, pleased to meet you, Sir. My mobile is [REDACTED]

Feel free to call me anytime you want. Regarding tomorrow; I am extracting my wisdom teeth in the morning, so it might take some time before I can speak over the phone (and you can understand me over both my accent and swelling). We can try, but I cannot promise that I will be able to talk with enough clarity. :)

It is likely that Friday I will be in better condition to talk over the phone. If you have an open slot sometime throughout the day, perhaps we get on a call then?

My plan is to share all technical details around this phenomenon (per JMS's note) over the phone.

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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From: Gregory Neal Akers (gakers) <gakers@cisco.com>  
Sent: Wednesday, April 18, 2018 8:06:16 PM  
To: Smith, Jonathan  
Cc: Antonakakis, Manos; Kim Deane (kdeane); Keromytis, Angelos  
Subject: Re: E-introduction

Thank you Jonathan !

Manos,

It is a great pleasure to meet you. I am traveling tomorrow most of the day. Is there a number I could try to reach you on when I am in a position to speak ?

-g

Sent from my iPhone

And you already know I can't type!

> On Apr 18, 2018, at 7:52 PM, Smith, Jonathan <jonathan.smith@darpa.mil> wrote:

>

> Dear Greg,

> Manos Antonakakis is a Professor at GA Tech, and PI of an

> effort under my colleague Angelos Keromytis' EA program.

> Manos has unparalleled visibility into DNS traffic and uncovered

> the situation we discussed today at 11. I just got off the

> phone with him and outlined your capabilities and passed

> on your cautionary information. He proposed a strategy that

> makes sense in terms of maintaining observability while

> being able to experiment. I will let him share this with you.

>

> Dear Manos,

> Greg Akers is a Senior VP at Cisco and expert in your current

> domain of concern. He is aware of the situation and knows

> how to get the information you need without disturbing your

> operations. Please share your concerns, plan and any info

> Greg or his team requests.

>

> Best,

> -JMS

>

> Jonathan M. Smith

> Jonathan.Smith@darpa.mil

> T: 703.526.4176; C: 571.481.7228

>

>

**From:** Angelos Keromytis [REDACTED]  
**Sent on:** Wednesday, September 27, 2017 8:01:12 PM  
**To:** McLaughlin, Steven W <swm@coe.gatech.edu>  
**CC:** Antonakakis, Manos <manos@gatech.edu>  
**Subject:** Re: email trouble

You mean 4:30?

On Sep 27, 2017, at 14:07, McLaughlin, Steven W <[swm@coe.gatech.edu](mailto:swm@coe.gatech.edu)> wrote:

Will call at 3:30 - thx!

Get [Outlook for iOS](#)

**From:** Angelos Keromytis [REDACTED]  
**Sent:** Wednesday, September 27, 2017 11:27:47 AM  
**To:** McLaughlin, Steven W  
**Cc:** Antonakakis, Manos  
**Subject:** Re: email trouble

Yes, I can do 4:30pm for half an hour, or 5:30pm until whenever. Let me know what works.

Btw, can you forward me the bounce you received for your email from the other day, if you still have it?

Thanks,

-Angelos

> On Sep 27, 2017, at 10:14, McLaughlin, Steven W <[swm@coe.gatech.edu](mailto:swm@coe.gatech.edu)> wrote:

>

> Angelos

> I did get your email and sent you a text this morning to see if we could talk later this afternoon...  
> copying Manos too...

>

> All the best

> Steve

>

> \*\*\*\*\*

> Steve McLaughlin

> Dean and Southern Company Chair

> College of Engineering

> Georgia Institute of Technology

> Atlanta, GA 30332

> \*\*\*\*\*

>

>

>

>

> On 9/27/17, 9:20 AM, "Angelos Keromytis" <[REDACTED]> wrote:

>

> Steve, not sure if you received my email from yesterday...anyway, looks like there's email problems  
> between my mail server and GT. Please use my iCloud email address for now.

> -Angelos

>

>

>

>

From: Angelos D. Keromytis [REDACTED]  
Sent on: Saturday, June 17, 2017 4:47:38 PM  
To: Manos Antonakakis <manos@gatech.edu>  
CC: [REDACTED]  
Subject: Re: [REDACTED] trip to Atlanta

Oh, so now you don't think I'm pretty?

> On Jun 16, 2017, at 2:52 PM, Antonakakis, Emmanouil K <manos@gatech.edu> wrote:  
>  
> [REDACTED] the last six months or so I have been bossed around from other members of the Keromytis family. Have a feeling that you bossing me around will be a walk in the park --- and frankly you would make a prettier boss \_by miles\_ in comparison to my previous (bald) experience. ;-)  
>  
> The only thing I cannot help you with is spa, mani-pedi, shopping etc. That is [REDACTED] domain. The closest I can come is my name on the credit card used for all these.  
>  
> As [REDACTED] said, you will have a floor (not a room) to your self. So, I am pretty sure we can manage having you around. Of course you will be staying with us.  
>  
> Cheers,  
>  
> Manos

> \_\_\_\_\_  
> From: [REDACTED]  
> Sent: Friday, June 16, 2017 1:06 PM  
> To: Angelos Keromytis; [REDACTED]  
> Cc: Antonakakis, Emmanouil K  
> Subject: Re: [REDACTED] trip to Atlanta

> Thanks, honey, for arranging the flights.  
>  
> I've added [REDACTED] to this line.  
>  
> Now then, Manos, are you really ready!?!? I'm going to pull out my inner diva and boss you around that weekend. That's assuming you are around.  
> And, more importantly, [REDACTED], will you be there to boss him around too and have him drop us for spa, lunch & shopping?  
>  
> :- ) :- ) :- )

> Seriously, are you guys around? I'm happy to get a hotel and a car and wander about with a gps....I am *\*very\** comfortable on my own!

> [REDACTED]

>> On Jun 16, 2017, at 10:32 AM, Angelos D. Keromytis [REDACTED] wrote:

>> DCA -> ATL with American 4535 (8pm -> 10:04pm) on June 23  
>> ATL -> DCA with American 4680 (7:25pm -> 9:30pm) on June 26

>>

>> -Angelos

>>

>

From: Angelos D. Keromytis [REDACTED]

Sent on: Saturday, June 24, 2017 1:06:12 AM

To: Manos Antonakakis <manos@gatech.edu>; [REDACTED]

CC: [REDACTED]

Subject: Re: [REDACTED] trip to Atlanta

And [REDACTED] cell number is [REDACTED]

> On Jun 23, 2017, at 8:04 PM, [REDACTED] wrote:

>  
> Howdie!  
> Just boarded flight. Leaving 20 minutes late. I'm on American 4535.  
> See you in a few!

> [REDACTED]  
>  
> Sent from my iPhone

> On Jun 22, 2017, at 8:44 PM, Antonakakis, Emmanouil K <manos@gatech.edu> wrote:

>  
>> Hey [REDACTED], having dinner with [REDACTED] and we are looking forward to your visit tomorrow. She managed to get Sunday off, so she will have a lot of time to show you around too.

>>  
>> We will both be waiting for you at the airport tomorrow night.

>>  
>> Safe travels!

>>  
>> Manos and [REDACTED]

>>  
>> ---  
>> Typos due to mobile device ...

>>  
>> On Jun 21, 2017, at 09:06, [REDACTED] wrote:

>>  
>>> This is almost funnier because we know the results today!

>>> [https://m.youtube.com/watch?v=L\\_OVIVR3LWU](https://m.youtube.com/watch?v=L_OVIVR3LWU)

>>>  
>>> Sent from my iPad

>>>  
>>> On Jun 17, 2017, at 12:02 PM, Manos Antonakakis <manos@gatech.edu> wrote:

>>>  
>>>> On Sat, Jun 17, 2017 at 11:47:38AM -0400, Angelos D. Keromytis wrote:

>>>> Oh, so now you don't think I'm pretty?

>>>>  
>>>> H i l a r i o u s!!!!

>>>>  
>>>> --  
>>>> Manos Antonakakis | manos@gatech.edu

>>>> Georgia Institute of Technology  
>>>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, March 28, 2018 1:12:43 PM

To: Antonakakis, Manos <manos@gatech.edu>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, March 28, 2018 1:12:43 PM

Subject: Re: ESET

Attachments: Nameless.txt (1020 Bytes)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Tuesday, October 30, 2018 7:46:07 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
CC: Tejas Patel <tejas@kududyn.com>  
Subject: Re: Everything that is wrong with our community

I watched about half of it, and didn't see anything particularly wrong or interesting. What got you riled up?

> On Oct 30, 2018, at 13:29, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> [https://www.youtube.com/watch?v=YGJaj6\\_3dGA](https://www.youtube.com/watch?v=YGJaj6_3dGA)

>

> These people are building and most importantly verifying detectors in the field.

>

> Key takeaway from this presentation: If you do not know how to do detection, redefine it (to what you think detection should be).

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, April 26, 2018 2:03:59 PM  
To: Angelos D. Keromytis [REDACTED]  
CC: Fabian Monroe <fabian@cs.unc.edu>  
Subject: Re: External letter writers

Do not know Sam. Sal does not make much sense since Steve and you will be writing a letter. Sotiris does not count because he is international (they want only US based!?!?!). Wenke is not allowed to be in this list. Gabriela is too junior, I think. I will double check.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Angelos D. Keromytis [REDACTED]  
Sent: Wednesday, April 25, 2018 6:27 PM  
To: Antonakakis, Manos  
Cc: Fabian Monroe  
Subject: Re: External letter writers

Do you know Sam King? He's now at UC Davis.

Sal? But that would another one from Columbia.

Sotiris? For the international flavor :)

Isn't Wenke writing you a letter? It's pretty customary to ask the advisor.

Virgil would be good.

Gabriela Cretu (SRI)?

-Angelos

> On Apr 25, 2018, at 18:15, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Gents, it appears that I cannot use Fabian because we wrote a paper together and it is too recent for taste of the committee. I am trying to get an exception but this is likely to be made.

>

> Any ideas of someone else that could write a letter for me? My current list (all have confirmed via email that are willing to write a letter) is:

>

> +: IEEE and/or ACM Fellow

> \*: Full Professor

> -: Industry

> \$: National Academy of Engineering

>

> 1. Angelos Keromytis (DARPA) + <http://www.cs.columbia.edu/~angelos/>

> 2. Steve Bellovin (Columbia) \*+\$ <https://www.cs.columbia.edu/~smb/>

> 3. Patrick McDaniel (Penn State) \*+ <http://www.patrickmcdaniel.org/>

> 4. Farnam Jahanian (CMU President) \*+ <https://www.cs.cmu.edu/~farnam/>

- > 5. Giovanni Vigna \*+ (UCSB) <https://www.cs.ucsb.edu/~vigna/>
- > 6. Jonathan Smith \*+ (UPenn) <https://www.cis.upenn.edu/~jms/>
- > 7. Nick Feamster (Princeton) \*+ <https://www.cs.princeton.edu/~feamster/>
- > 8. Gunter Ollmann (Microsoft. CTO, Security (Cloud and Enterprise)) -
- > 9. Engin Kirda (NorthEastern) \* <http://www.ccs.neu.edu/home/ek/>
- >
- > Should I ask someone else from DARPA, or Virgil, or Vern (not sure if he even reply), or Avi (not sure if he will write a good one after what happened with JHU offer --- Fabian disagrees with me on this one) or someone else?
- >
- > Yes, they need 10 from me ...
- >
- > —
- > Manos Antonakakis | manos@gatech.edu
- > Georgia Institute of Technology
- > FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668
- >

From: Angelos D. Keromytis <[REDACTED]>  
Sent on: Tuesday, May 29, 2018 6:22:50 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
CC: Fabian Monroe <fabian@cs.unc.edu>  
Subject: Re: External letter writers

No problem. Looks like a good list.

> On May 29, 2018, at 10:00, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Gents, I was just informed that Fabian could be considered as a writer, but not Angelos (cannot be considered as DARPA anymore).

>  
> My ten are:

>  
> +: IEEE and/or ACM Fellow  
> \*: Full Professor  
> -: Industry  
> \$: National Academy of Engineering

>  
> 1. Fabian Monroe (UNC) \* <https://www.cs.unc.edu/~fabian/web.html>  
> 2. Patrick McDaniel (Penn State) \*+ <http://www.patrickmcdaniel.org/>  
> 3. Farnam Jahanian (CMU President) \*+ <https://www.cs.cmu.edu/~farnam/>  
> 4. Giovanni Vigna \*+ (UCSB) <https://www.cs.ucsb.edu/~vigna/>  
> 5. Nick Feamster (Princeton) \*+ <https://www.cs.princeton.edu/~feamster/>  
> 6. Jonathan Smith \*+ (UPenn) <https://www.cis.upenn.edu/~jms/>  
> 7. Steve Bellovin (Columbia) \*+\$ <https://www.cs.columbia.edu/~smb/>  
> 8. Gunter Ollmann, - Microsoft. CTO, Security (Cloud and Enterprise)  
> 9. Engin Kirda (NorthEastern) \* <http://www.ccs.neu.edu/home/ek/>  
> 10. Jason Livingood (Comcast), - VP of Tech Policy & Standards , [https://www.youtube.com/watch?v=01HPk\\_vYWAw](https://www.youtube.com/watch?v=01HPk_vYWAw),  
<https://corporate.comcast.com/comcast-voices/internet-society-adds-jason-livingood-to-board-of-trustees>

>  
> Angele, I would have you as the guy that puts pressure on Steve. They were \*really\* impressed that Steve will write me a letter. They only see people from the National Academy of Engineering to write letters for Full Professor cases.

>  
> Any objections/suggestions?

>  
> Thanks for all your help!

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Fabian Monroe <fabian@cs.unc.edu>  
> Sent: Thursday, April 26, 2018 9:19:43 AM  
> To: Antonakakis, Manos  
> Cc: Angelos D. Keromytis  
> Subject: Re: External letter writers

>  
> Fine by me.

>  
> From your list, Virgil is also good, though he may not be able to as easily grasp the broader impact of your work when

compared to Vern. Said another way, you'd likely need to provide him with succinct summaries of your major innovations.

>  
>  
>  
>

> Sent from my iPhone

>

>> On Apr 26, 2018, at 2:05 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>>

>> OK, I will reach out to Avi, and CC both of you. The reason I will CC both of you is because you have insight of the research I have done over the last 18 months and that it is not public.

>>

>> Is that OK with you?

>>

>> —

>> Manos Antonakakis | manos@gatech.edu

>> Georgia Institute of Technology

>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>

>>

>> \_\_\_\_\_

>> From: Fabian Monrose <fabian@cs.unc.edu>

>> Sent: Wednesday, April 25, 2018 6:41:49 PM

>> To: Angelos D. Keromytis

>> Cc: Antonakakis, Manos

>> Subject: Re: External letter writers

>>

>> Vote goes to Avi and Vern.

>>

>>

>> Sent from my iPhone

>>

>>> On Apr 25, 2018, at 11:27 PM, Angelos D. Keromytis [REDACTED] wrote:

>>>

>>>

>>> Do you know Sam King? He's now at UC Davis.

>>>

>>> Sal? But that would another one from Columbia.

>>>

>>> Sotiris? For the international flavor :)

>>>

>>> Isn't Wenke writing you a letter? It's pretty customary to ask the advisor.

>>>

>>> Virgil would be good.

>>>

>>> Gabriela Cretu (SRI)?

>>>

>>> -Angelos

>>>

>>>> On Apr 25, 2018, at 18:15, Antonakakis, Manos <manos@gatech.edu> wrote:

>>>>

>>>> Gents, it appears that I cannot use Fabian because we wrote a paper together and it is too recent for taste of the committee. I am trying to get an exception but this is likely to be made.

>>>>

>>>> Any ideas of someone else that could write a letter for me? My current list (all have confirmed via email that are willing to write a letter) is:

>>>>

>>>> +: IEEE and/or ACM Fellow  
>>>> \*: Full Professor  
>>>> -: Industry  
>>>> \$: National Academy of Engineering  
>>>>  
>>>> 1. Angelos Keromytis (DARPA) + <http://www.cs.columbia.edu/~angelos/>  
>>>> 2. Steve Bellovin (Columbia) \*+\$ <https://www.cs.columbia.edu/~smb/>  
>>>> 3. Patrick McDaniel (Penn State) \*+ <http://www.patrickmcdaniel.org/>  
>>>> 4. Farnam Jahanian (CMU President) \*+ <https://www.cs.cmu.edu/~farnam/>  
>>>> 5. Giovanni Vigna \*+ (UCSB) <https://www.cs.ucsb.edu/~vigna/>  
>>>> 6. Jonathan Smith \*+ (UPenn) <https://www.cis.upenn.edu/~jms/>  
>>>> 7. Nick Feamster (Princeton) \*+ <https://www.cs.princeton.edu/~feamster/>  
>>>> 8. Gunter Ollmann (Microsoft. CTO, Security (Cloud and Enterprise)) -  
>>>> 9. Engin Kirda (NorthEastern) \* <http://www.ccs.neu.edu/home/ek/>  
>>>>  
>>>> Should I ask someone else from DARPA, or Virgil, or Vern (not sure if he even reply), or Avi (not sure if he will write a good one after what happened with JHU offer --- Fabian disagrees with me on this one) or someone else?  
>>>>  
>>>> Yes, they need 10 from me ...  
>>>>  
>>>> —  
>>>> Manos Antonakakis | manos@gatech.edu  
>>>> Georgia Institute of Technology  
>>>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>>>  
>>>>

**From:** Angelos D. Keromytis<[REDACTED]>  
**Sent on:** Wednesday, November 8, 2017 11:23:17 PM  
**To:** Antonakakis, Manos<manos@gatech.edu>  
**CC:** [REDACTED]  
**Subject:** Re: Family member tuition waiver

Thanks for checking.

On Nov 8, 2017, at 14:29, Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)> wrote:

FYI

---

Typos due to mobile device ...  
Begin forwarded message:

**From:** "Mitchell, Michael F" <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>  
**Date:** November 8, 2017 at 14:07:02 EST  
**To:** "Antonakakis, Manos" <[manos@gatech.edu](mailto:manos@gatech.edu)>  
**Subject: RE: Family member tuition waiver**

[REDACTED] and I reached out to HR regarding if there were any benefits like this. Unfortunately the only tuition exemptions are for employees only (TAP program).

M

-----Original Message-----

From: Antonakakis, Manos

Sent: Thursday, November 2, 2017 9:37 PM

To: Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)>

Subject: Family member tuition waiver

Michael, can you please research something for me? Does GT offer faculty family members (i.e., if my wife wanted to take a class.) any tuition waiver/exemption?

Thanks,

-



Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)

Georgia Institute of Technology

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From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, November 30, 2018 4:43:56 PM  
To: Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
CC: Smith, Jonathan <jonathan.smith@darpa.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: Final slide deck for PI meeting

This message did not go through (due to the size of the attachment). Chris now has the slides. Please work with him to get them.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Friday, November 30, 2018 10:49:11 AM  
To: Schneck, Christopher (contr-i2o)  
Cc: Smith, Jonathan; Keromytis, Angelos  
Subject: Final slide deck for PI meeting

Attached, same password.

Had a great discussion with Dr. Pierce earlier today. We are on the same page about everything.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Manos Antonakakis <manos@gatech.edu>

Sent on: Friday, March 23, 2018 2:08:47 PM

To: Renee Burton [REDACTED] >

CC: Tejas Patel <tejas@kududyn.com>; Scott Taylor [REDACTED]; David Dagon [REDACTED];

Farrell, Michael <Michael.Farrell@gtri.gatech.edu>; Angelos D. Keromytis [REDACTED]

Subject: Re: follow up

Attachments: ATT00001 (12 Bytes), msg.asc (831.94 KB)

From: Manos Antonakakis <manos@gatech.edu>

Sent on: Friday, March 23, 2018 4:47:57 PM

To: Renee Burton [REDACTED] >

CC: Tejas Patel <tejas@kududyn.com>; Scott Taylor [REDACTED]; darin j <[REDACTED]>;

David Dagon [REDACTED]; Angelos D. Keromytis [REDACTED]; Farrell, Michael  
<Michael.Farrell@gtri.gatech.edu>

Subject: Re: follow up

Attachments: ATT00001 (12 Bytes), msg.asc (11.68 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, June 12, 2018 1:26:57 AM  
To: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>  
CC: POOLE, DAVID E SA USAF AFOSI AFOSI/XRC <david.poole@us.af.mil>; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY <stephynie.velez@us.af.mil>; GEE, TYSON L SA USAF AFOSI AFOSI/XRC <tyson.gee@us.af.mil>  
Subject: Re: Follow-up from Meetings Last Week

Jason, you and your team is always welcome at GT and my lab. Really looking forward to the next steps with AFOSI, so we can figure out how we can help your team both short but also long term.

In the meantime, please let me know if there is anything you need from my side.

Many thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: STAMBAUGH, JASON D SA USAF AFOSI AFOSI/XRCY <jason.stambaugh@us.af.mil>  
Sent: Monday, June 11, 2018 5:05:43 PM  
To: Keromytis, Angelos; Antonakakis, Manos; Schneck, Christopher (contr-i2o); Smith, Jonathan  
Cc: POOLE, DAVID E SA USAF AFOSI AFOSI/XRC; VELEZ, STEPHYNIE E SA USAF AFOSI AFOSI/XRCY; GEE, TYSON L SA USAF AFOSI AFOSI/XRC  
Subject: Follow-up from Meetings Last Week

Gents,

Thanks again, very much for your unbelievable hospitality last week! We appreciate you hosting us at GA-Tech on Thursday and offering such great insight on the threat. We really enjoyed the discussions and are energized to move forward.

I have engaged our tactical elements to cultivate some 'interesting' data for your research. Once I have it, I will forward it through Chris with Angelos CC'ed. Please let me know if I need to include more officials on the Govt/DARPA side.

I would also like to continue discussions regarding further investment so let's keep that in mind as we move forward with this initial information-exchange.

Thanks again! We look forward to next meetings!

Thanks & Regards,

Jason D. Stambaugh, SA, USAF  
Deputy PM for Cyber Training  
AFOSI Cyber Investigations & Ops

Comm: (571) 305-8850

DSN: 240-8850

NSTS: 918-5739

SIPR: [jason.d.stambaugh2.mil@mail.smil.mil](mailto:jason.d.stambaugh2.mil@mail.smil.mil)

JWICS: [jason.stambaugh@af.ic.gov](mailto:jason.stambaugh@af.ic.gov)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, January 10, 2018 10:08:57 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: Re: For the upcoming visit

Yes, I will sync with him.

---

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Wednesday, January 10, 2018 5:07:36 PM  
To: Antonakakis, Manos  
Cc: Patel, Tejas (contr-i2o)  
Subject: Re: For the upcoming visit

GTRI...I think Michael and Scott have worked this out, at least based on what I've seen (earlier today)? Maybe you should check with Michael?

Dr Angelos D. Keromytis  
Program Manager, Information Innovation Office (I2O)  
DARPA  
675 N. Randolph Street  
Arlington, VA 22203

(T) 571-218-4290

Angelos.Keromytis@darpa.mil <mailto:Angelos.Keromytis@darpa.mil> (NIPR)  
Angelos.Keromytis@darpa.smil.mil <mailto:Angelos.Keromytis@darpa.smil.mil> (SIPR)  
Angelos.Keromytis@darpa.ic.gov <mailto:Angelos.Keromytis@darpa.ic.gov> (JWICS)

On Jan 10, 2018, at 5:06 PM, Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:

Do I need to get a room by GTRI or GT? If you need to enter classified space, GTRI should be better. If the entire discussion will be unclassified, then I would rather have this be done in GT so we can showcase what the lab is doing as well.

What do you think?

---

Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Antonakakis, Manos <manos@gatech.edu>  
Sent on: Thursday, January 18, 2018 1:26:48 AM  
To: Hook, Lisa <lisa.hook@team.neustar>  
CC: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Re: Friday

Hey Lisa, absolutely!

My office is at the Klaus Advance Computing Building, 3rd floor, Room 3364. I can send you the visitor parking direction if you will be driving in.

My cell is [REDACTED], in case you need to call me.

Many thanks,

Manos

---

Typos due to mobile device ...

> On Jan 17, 2018, at 20:04, Hook, Lisa <lisa.hook@team.neustar> wrote:

>

> Manos,

>

> I am in Atlanta for meetings on Friday and am wondering if you are in town and free at 9:30 to meet at school. Would love to catch up.

>

> Best,

>

> Lisa

>

> Lisa A. Hook

> Neustar, Inc./President and Chief Executive Officer

> 120 SW 8th Street, Miami, FL 33130

> Office: 571/434-5630. Mobile:202/907-5672

> Lisa.Hook@team.neustar/www.neustar.biz

>



From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, March 9, 2018 2:53:22 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: Tejas Patel [REDACTED]  
Subject: Re: Fully Funded - Prospective PhD CS Applicant (UNCLASSIFIED)

Thanks!

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Friday, March 9, 2018 8:27:18 AM  
To: Antonakakis, Manos  
Cc: Tejas Patel  
Subject: Re: Fully Funded - Prospective PhD CS Applicant (UNCLASSIFIED)

Not off the top of my head.

> On Mar 9, 2018, at 7:14 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Does the name ring any bells?

>

> —

> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

>

> From: Wenke Lee [REDACTED] >

> Sent: Thursday, March 8, 2018 10:17 PM

> To: Fuller, Jonathan D CPT USARMY ISEC (US)

> Cc: Kim, Taesoo; Antonakakis, Manos; Ndongi, Elizabeth N; Saltaformaggio, Brendan D

> Subject: Re: Fully Funded - Prospective PhD CS Applicant (UNCLASSIFIED)

>

> Hi Jonathan,

>

> Thank you for your interests in Georgia Tech! I'd be happy to talk to you, and Elizabeth can help schedule for us. I also suggest you to talk to Prof. Kim, Prof. Antonakakis, and Prof. Saltaformaggio (cc'd here). Thanks.

>

> Wenke

>

> On Thu, Mar 8, 2018 at 10:50 AM, Fuller, Jonathan D CPT USARMY ISEC (US)  
<jonathan.d.fuller.mil@mail.mil<mailto:jonathan.d.fuller.mil@mail.mil>> wrote:

>

> CLASSIFICATION: UNCLASSIFIED

>

>

>

> Professor Lee,



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Friday, March 9, 2018 1:27:18 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Tejas Patel [REDACTED]

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Friday, March 9, 2018 1:27:18 PM

Subject: Re: Fully Funded - Prospective PhD CS Applicant (UNCLASSIFIED)

Attachments: Nameless.txt (2.37 KB)

From: Manos Antonakakis <manos@gatech.edu>  
Sent on: Saturday, October 28, 2017 12:15:10 AM  
To: Rodney Joffe <rjoffe@centergate.com>  
Subject: Re: Fwd: PF access  
Attachments: ATT00001 (12 Bytes), msg.asc (3.74 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, April 24, 2018 4:59:21 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Tejas Patel <tejas@kududyn.com>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, April 24, 2018 4:59:20 PM

Subject: Re: fyi

Attachments: Nameless.txt (2.43 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, April 24, 2018 4:20:40 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Tejas Patel <tejas@kududyn.com>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, April 24, 2018 4:20:32 PM

Subject: Re: fyi

Attachments: Nameless.txt (3.54 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, July 17, 2018 11:14:06 PM  
To: Smith, Jonathan <jonathan.smith@darpa.mil>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: FYI

The things that are coming your way will blow your mind.

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Smith, Jonathan <jonathan.smith@darpa.mil>  
Sent: Tuesday, July 17, 2018 6:08:40 PM  
To: Antonakakis, Manos  
Cc: Keromytis, Angelos  
Subject: FYI

Manos:  
I just talked with Angelos and concur with his reasoning.  
-JMS

Jonathan M. Smith, DARPA/I2O  
T: 703.526.4176, C: 571.481.7228

DARPA's 60th Anniversary Symposium  
Sept 5 - 7, 2018 - Washington, D.C.  
Join us to explore DARPA's next 60 years  
Register now at:  
<https://D60.DARPA.MIL>

From: Manos Antonakakis <manos@gatech.edu>  
Sent on: Saturday, July 14, 2018 9:51:32 PM  
To: Angelos D. Keromytis <[REDACTED]>  
Subject: Re: fyi  
Attachments: ATT00001 (12 Bytes), msg.asc (2.53 KB)



From: Manos Antonakakis <manos@gatech.edu>

Sent on: Friday, July 6, 2018 1:34:45 PM

To: Jonathan M. Smith <jms@cis.upenn.edu>

CC: Angelos Keromytis <[REDACTED]>

Subject: Re: FYI

Attachments: ATT00001 (12 Bytes), msg.asc (3.73 KB)

From: Angelos D. Keromytis <[REDACTED]>  
Sent on: Saturday, May 12, 2018 6:20:28 PM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: Re: fyi

Yup

> On May 12, 2018, at 7:31 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> <http://www4.comp.polyu.edu.hk/~csxluo/DNSINFOCOM18.pdf>

>

> Horrible paper, but look at the big picture and what they are trying to do.

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

From: Manos Antonakakis <manos@gatech.edu>

Sent on: Sunday, April 15, 2018 8:23:36 PM

To: Angelos D. Keromytis [REDACTED]

Subject: Re: fyi

Attachments: ATT00001 (12 Bytes), msg.asc (3 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent on: Wednesday, March 14, 2018 3:13:43 PM  
To: Tejas Patel <tejas@kududyn.com>  
CC: Antonakakis, Manos <manos@gatech.edu>  
Subject: Re: fyi

Yes, that's it :)

On Mar 14, 2018, at 9:58 AM, Tejas Patel <tejas@kududyn.com<mailto:tejas@kududyn.com>> wrote:

Angelos,

George wrote a paper on the rich header. Can't find the link but you might want to send this to him.

Regards,  
Tejas

Get Outlook for iOS <<https://aka.ms/o0ukef>>

On Wed, Mar 14, 2018 at 9:56 AM -0400, "Keromytis, Angelos"  
<angelos.keromytis@darpa.mil<mailto:angelos.keromytis@darpa.mil>> wrote:

<https://securelist.com/the-devils-in-the-rich-header/84348/>

From: Angelos D. Keromytis [REDACTED]  
Sent on: Sunday, January 21, 2018 7:20:47 PM  
To: Manos Antonakakis <manos@gatech.edu>  
Subject: Re: fyi

Agreed about MS vs. PhD — I responded with exactly that comment. We'll see what he says.

> On Jan 21, 2018, at 2:19 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Not really impressed to be honest. The key question here is why he applied for a MSc instead of PhD? Was it because he didn't consider it (it is bad but not a deal ender) or simply he does not like it ( that is a deal breaker --- why pick up a student that might leave from you in 2 years with a master?).

>

> Not sure, up to you. If you talked to him and you think his mind is in the game for a full PhD, then lets pick him up.

>

> You want me to talk to him over skype this week?

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

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>

>

>

> From: Angelos D. Keromytis [REDACTED] >

> Sent: Sunday, January 21, 2018 2:08:32 PM

> To: Antonakakis, Manos

> Subject: fyi

>

**From:** Angelos D. Keromytis [REDACTED] >  
**Sent on:** Thursday, September 28, 2017 9:14:07 PM  
**To:** Antonakakis, Manos <manos@gatech.edu>  
**Subject:** Re: FYI

Thanks

On Sep 28, 2017, at 14:16, Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)> wrote:

FYI

---

Typos due to mobile device ...

Begin forwarded message:

**From:** Microsoft Outlook <[MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@gtvault.onmicrosoft.com](mailto:MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@gtvault.onmicrosoft.com)>  
>  
**Date:** September 28, 2017 at 14:13:49 EDT  
**To:** <[manos@gatech.edu](mailto:manos@gatech.edu)>  
**Subject: Undeliverable: this is the email**

**Delivery has failed to these recipients or groups:**

[Angelos D. Keromytis \[REDACTED\]](mailto:Angelos D. Keromytis [REDACTED])

Your message couldn't be delivered. Despite repeated attempts to contact the recipient's email system it didn't respond.

Contact the recipient by some other means (by phone, for example) and ask them to tell their email admin that it appears that their email system isn't accepting connection requests from your email system. Give them the error details shown below. It's likely that the recipient's email admin is the only one who can fix this problem.

For more information and tips to fix this issue see this article:  
<http://go.microsoft.com/fwlink/?LinkId=389361>.

## Diagnostic information for administrators:

Generating server: [DM5PR07MB3417.namprd07.prod.outlook.com](mailto:DM5PR07MB3417.namprd07.prod.outlook.com)

Receiving server: [DM5PR07MB3417.namprd07.prod.outlook.com](mailto:DM5PR07MB3417.namprd07.prod.outlook.com)

Total retry attempts: 50

[angelos@keromytis.com](mailto:angelos@keromytis.com)

9/28/2017 6:13:49 PM - Server at

[DM5PR07MB3417.namprd07.prod.outlook.com](mailto:DM5PR07MB3417.namprd07.prod.outlook.com) returned '550 5.4.300

Message expired -> 451 4.4.398 Error communicating with frontend host. ->

421 4.4.2 Connection dropped due to SocketError'

9/27/2017 1:06:30 PM - Server at [mail.keromytis.com](mailto:mail.keromytis.com) (25.152.68.27)

returned '451 4.4.398 Error communicating with frontend host. -> 421 4.4.2

Connection dropped due to SocketError'

### Original message headers:

Received: from [DM5PR07MB3418.namprd07.prod.outlook.com](mailto:DM5PR07MB3418.namprd07.prod.outlook.com) (10.164.146.15) by [DM5PR07MB3417.namprd07.prod.outlook.com](mailto:DM5PR07MB3417.namprd07.prod.outlook.com) (10.164.146.14) with Microsoft SMTP Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_CBC\_SHA384\_P256) id 15.20.77.7; Tue, 26 Sep 2017 18:23:08 +0000

Received: from [DM5PR07MB3418.namprd07.prod.outlook.com](mailto:DM5PR07MB3418.namprd07.prod.outlook.com) ([10.164.146.15]) by [DM5PR07MB3418.namprd07.prod.outlook.com](mailto:DM5PR07MB3418.namprd07.prod.outlook.com) ([10.164.146.15]) with mapi id 15.20.0077.011; Tue, 26 Sep 2017 18:23:07 +0000

From: "Antonakakis, Manos" <[manos@gatech.edu](mailto:manos@gatech.edu)>

To: "Angelos D. Keromytis" <[REDACTED]>

Subject: this is the email ☐

Thread-Topic: this is the email ☐

Thread-Index: AQHTNvSAPGcjeNtl9UqnBlfdtDSozw==

Date: Tue, 26 Sep 2017 18:23:07 +0000

Message-ID: <[DM5PR07MB34188F3DFFD216B71AB0550BC27B0@DM5PR07MB3418.namprd07.prod.outlook.com](mailto:DM5PR07MB34188F3DFFD216B71AB0550BC27B0@DM5PR07MB3418.namprd07.prod.outlook.com)>

References: <[09200452-083D-486A-B0C3-DC39EBFCC7DE@gatech.edu](mailto:09200452-083D-486A-B0C3-DC39EBFCC7DE@gatech.edu)>

In-Reply-To: <[09200452-083D-486A-B0C3-DC39EBFCC7DE@gatech.edu](mailto:09200452-083D-486A-B0C3-DC39EBFCC7DE@gatech.edu)>

Accept-Language: en-US

Content-Language: en-US

X-MS-Has-Attach: yes

X-MS-TNEF-Correlator:

authentication-results: spf=none (sender IP is )  
[smtplibmailfrom=manos@gatech.edu](mailto:smtplibmailfrom=manos@gatech.edu); ☐

x-originating-ip: [130.207.224.60]

x-ms-publictraffictype: Email

x-microsoft-exchange-diagnostics: 1;DM5PR07MB3417;6:s+dz+n+Jj83oimc01mpP3gibMEw

x-ms-exchange-antispam-srfa-diagnostics: SSOS;

x-ms-office365-filtering-correlation-id: 0b421cc1-60b3-4639-fcf9-08d5050ba2fa

x-microsoft-antispam: UriScan:(90812173117989);BCL:0;PCL:0;RULEID:(22001)(2017

x-ms-traffictypediagnostic: DM5PR07MB3417:

x-exchange-antispam-report-test: UriScan:(158342451672863)(156600954879566)(18

x-microsoft-antispam-prvs: <[DM5PR07MB341747570BC195A91ADA9C1BC27B0@DM5PR07MB3418.namprd07.prod.outlook.com](mailto:DM5PR07MB341747570BC195A91ADA9C1BC27B0@DM5PR07MB3418.namprd07.prod.outlook.com)>

x-exchange-antispam-report-cfa-test: BCL:0;PCL:0;RULEID:(100000700101)(1001050

x-forefront-prvs: 0442E569BC

x-forefront-antispam-report: SFV:NSPM;SFS:(10019020)(6009001)(346002)(376002)(

received-spf: None ([protection.outlook.com](mailto:protection.outlook.com): [gatech.edu](mailto:gatech.edu) does not designate permitted sender hosts)

spamdiagnosticoutput: 1:99

spamdiagnosticmetadata: NSPM

Content-Type: multipart/mixed;

boundary="\_002\_DM5PR07MB34188F3DFFD216B71AB0550BC27B0DM5PR07MB3418nampr\_"

MIME-Version: 1.0

X-OriginatorOrg: [gatech.edu](mailto:gatech.edu)

X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2017 18:23:07.8523 (UTC)

X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: 482198bb-ae7b-4b25-8b7a-6d7f32faa083  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: DM5PR07MB3417

<mime-attachment>

<mime-attachment>



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, August 22, 2018 8:44:31 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Smith, Jonathan <jonathan.smith@darpa.mil>; [REDACTED] Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>

Subject: Re: FYI-

No worries.

> On Aug 22, 2018, at 12:26 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> [hxxps://xxx.internetgovernance \[ . \] org/wp-content/uploads/WhitePaper-Attribution-Final-PDF.pdf](https://xxx.internetgovernance[.]org/wp-content/uploads/WhitePaper-Attribution-Final-PDF.pdf)

>

> This appear to be a garbage report out of GT-Policy that mentions in some parts the Rhamnousia project. Neither I, nor the members of my team had any interaction with these clowns and I/we have provided any information about what we do. Whatever they found and wrote about our project was from online materials.

>

> Goes without saying, these are not thoughts, language or opinions that represent our GT team.

>

> This is a heads up.

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Friday, May 4, 2018 3:39:05 PM  
To: Tejas Patel <tejas@kududyn.com>  
CC: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Smith, Jonathan <jonathan.smith@darpa.mil>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; James Nuttall <james@kududyn.com>  
Subject: Re: Georgia Tech Global Learning Center (GLC)/Hackathon

Absolutely, whatever you guys want to do. I am busy enough, I am happy with one less thing in my queue.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Tejas Patel <tejas@kududyn.com>  
Sent: Friday, May 4, 2018 10:28:53 AM  
To: Antonakakis, Manos  
Cc: Keromytis, Angelos D CIV DARPA (US); Smith, Jonathan; Schneck, Christopher (contr-i2o); Farrell, Michael D; James Nuttall  
Subject: Re: Georgia Tech Global Learning Center (GLC)/Hackathon

Manos:

I'm not thrilled about using your foundation money and there is no way we can organize anything meaningful before the PI meeting anyway. We are still trying to figure out when we can have the hackathon (summer months are difficult) and what topic we want to focus on.

Can we revisit at the PI meeting?

Regards,  
Tejas

Tejas Patel  
Principal investigator  
Kudu Dynamics  
+1 919-332-3191 (c)  
tejas@kududyn.com <<mailto:tejas@kududyn.com>>

On Fri, May 4, 2018 at 9:51 AM, Antonakakis, Manos <manos@gatech.edu <<mailto:manos@gatech.edu>>> wrote:  
Now, with the correct email for Tejas.

—

Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Friday, May 4, 2018 9:49 AM  
To: Patel, Tejas H CTR (US); Farrell, Michael D

Cc: Keromytis, Angelos D CIV DARPA (US); Smith, Jonathan; Schneck, Christopher (contr-i2o)  
Subject: Fw: Georgia Tech Global Learning Center (GLC)/Hackathon

OK, Gents. We did some digging around and we found this great deal inline. \$5100 for room, food, coffee, etc, for 4 days.

This is located adjacent to the GT hotel. So, if you want to host the hackathon the week after the PI meeting, it can be done and it can be done relatively cheaply.

The only problem I have with this is that I have to spend money from my foundation account. As JMS and Aneglos can testify, foundation accounts are kind of priceless. However, if this will help the TA2 transition and the synergy around the entire problem, I would be happy to eat this bill.

Angelos, JMS, Tejas; your thoughts please? We have to move fast so we can secure the place for this event. If we end up with a "yes, lets do it", I will need Chris to work with Michael M. in organizing this (invitations, logistics, etc.).

Thanks,

---

Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Mitchell, Michael F  
Sent: Friday, May 4, 2018 9:36 AM  
To: Antonakakis, Manos  
Subject: FW: Georgia Tech Global Learning Center (GLC)/Hackathon

Hey Manos,

I spoke with our planning and events person for ECE about the Hackathon event per our conversation. She reached out to the Global Learning Center to get an estimate on what they charge for things. They responded fairly quickly with a cost of \$85 per day which includes the room, a buffet lunch, continental breakfast (with 1 Hot item) and a continuous snack/food break service from 7pm to 5 pm which I believe includes self serve coffee, but I will need to verify to be sure.

For 15 people per our meeting it would cost about \$5100. You currently have about 18,000 in the foundation account currently. If this is something you want to do I think this is probably the best/easiest way to do it. Since the week before June 9th seems to be filling up with activities, I think the week after would be best.

Let me know what you want to do.

Michael

From: Oliva, Joanna  
Sent: Wednesday, May 2, 2018 6:05 PM  
To: Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)<<mailto:michael.mitchell@ece.gatech.edu>>>  
Subject: Fw: Georgia Tech Global Learning Center (GLC)/Hackathon

Hey Michael,

Please see the quote below from the GLC! Let me know if you would like to move forward or have any questions.

Joanna Oliva  
Event Coordinator  
School of Electrical and Computer Engineering  
Phone: 404.894.9827

Email:  
joanna.oliva@ece.gatech.edu <mailto:joanna.oliva@ece.gatech.edu> <mailto:joanna.oliva@ece.gatech.edu <mailto:joanna.oliv

---

From: Clement, Crystal D  
Sent: Wednesday, May 2, 2018 4:43:41 PM  
To: Oliva, Joanna  
Subject: Georgia Tech Global Learning Center (GLC)/Hackathon

Hi Joanna,

I received your information about the event in June. I do have availability for both sets of dates. Below is the pricing on a per person basis. Please review and let me know if you have any questions or need anything else from me. We would love to host!

\$85 per person, per day with PeopleSoft #

Full Day Meeting Package with Lunch includes:

- Meeting space – general session room
- Premium Tech AV Package[1] with on-site support
- Buffet Lunch
- BuzzBreak – our continuous food break service provided throughout the duration of your program (7am – 5pm), including a full continental breakfast with one hot item
- Complimentary shuttle service from MARTA station (4 blocks)
- 

Audio visual equipment included in the above package:

Premium Tech AV package includes ceiling mounted LCD projector, built in screens, document camera, lectern with control system touch panel, built in VCR, and laptop connectivity. There will be an hourly charge for set up, personnel, and/or equipment beyond the Premium Tech AV package.

1st or 3rd floor breakout rooms are \$500 per breakout, per day.

Exhibitor Package:

\$75 per exhibit table, per day

6 ft banquet table

Black stretchy linen

Power cord and outlet strip

Chair

Trash can

Thanks!

Crystal Clement

Sales Manager

Georgia Tech Global Learning Center

84 5th St. NW, Atlanta, GA 30308-1031

404-385-1690 |

crystal.clement@pe.gatech.edu <mailto:crystal.clement@pe.gatech.edu> <mailto:crystal.clement@pe.gatech.edu <mailto:cryst

LinkedIn <<http://www.linkedin.com/company/georgia-tech-global-learning-center>> |

[www.gatechcenter.com](http://www.gatechcenter.com) <<http://www.gatechcenter.com>> <<http://www.gatechcenter.com/>>

---

[1] Premium Tech AV Package includes: Ceiling mounted LCD projector, built in screens, document camera, lectern with control system touch panel, built in VCR, and laptop connectivity.

**From:** Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Sent on:** Friday, October 11, 2019 8:50:18 PM  
**To:** Mitchell, Michael F<michael.mitchell@ece.gatech.edu>  
**CC:** Antonakakis, Manos<manos@gatech.edu>  
**Subject:** Re: Georgia Tech Option year 4

Hi Michael

John moved on recently... so I am "the guy". :-)

Thanks!

Rodney

On Oct 11, 2019, at 8:18 PM, Mitchell, Michael F <[michael.mitchell@ece.gatech.edu](mailto:michael.mitchell@ece.gatech.edu)> wrote:

Hey Rodney,

It is time to renew the PO with Georgia Tech for year 4. I tried to send this to John hall but received a bounce back. Can you let me know who the right contact for this is, so I can get the quote refreshed and processed?

Thanks!

**Michael Mitchell**

Research Operations Program Manager

**GEORGIA Institute**

**of TECH nology**

School of Electrical and Computer Engineering

777 Atlantic Drive NW

Atlanta, GA 30332-0765

Phone: 404-385-8122

<Neustar Quote.pdf>

**From:** Antonakakis, Manos<manos@gatech.edu>  
**Sent on:** Thursday, February 1, 2018 12:27:13 AM  
**To:** Angelos D. Keromytis<[REDACTED]>  
**CC:** Beyah, Raheem A<rbeyah@ece.gatech.edu>; Farrell, Michael D<Michael.Farrell@gtri.gatech.edu>  
**Subject:** Re: Georgia Tech Research Institute

Nah, I do not trust those GTRI guys. We at ECE are more trustworthy ;)

---  
Typos due to mobile device ...  
On Jan 31, 2018, at 19:22, Angelos D. Keromytis <[REDACTED]> wrote:

I wonder what the salary is...maybe I should apply for it? :-D  
-Angelos

Begin forwarded message:

**From:** "Elaine Filimon" <[eaf@filimonpartners.com](mailto:eaf@filimonpartners.com)>  
**Subject:** Georgia Tech Research Institute  
**Date:** January 31, 2018 at 10:39:06 AM EST  
**To:** <[REDACTED]>

Dear Angelos,  
I am hoping you might have some thoughts on a current executive search assignment. Filimon Partners has been retained by Georgia Tech Research Institute (GTRI) to recruit a senior member of their leadership team. GTRI is a highly regarded, growing, \$400 million applied research and development organization that is part of the Georgia Institute of Technology.  
We are seeking the Deputy Director, Information & Cyber Sciences to manage the \$120 million, 500 person Directorate comprised of two research labs. The research focuses on cyber technology, command and control, mission assurance, and information systems. The ideal candidate will possess a Masters or Ph.D. in a technical field and have 15+ years of relevant experience in leading a large DoD focused, diverse engineering research organization with demonstrated relationship building skills. This is a senior position within GTRI and the Deputy Director, Information & Cyber Sciences will be a member of the GTRI Executive Council of the Institute.  
I would welcome the opportunity to discuss at your convenience.  
Many thanks,  
Elaine Filimon  
Elaine A. Filimon  
Filimon Partners  
703-519-4572  
[eaf@filimonpartners.com](mailto:eaf@filimonpartners.com)  
[www.filimonpartners.com](http://www.filimonpartners.com)

From: Angelos D. Keromytis <[REDACTED]>  
Sent on: Tuesday, April 3, 2018 5:16:03 PM  
To: Dillon, Linda <linda.dillon@ece.gatech.edu>  
CC: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>; Antonakakis, Manos <manos@gatech.edu>  
Subject: Re: Getting Angelos on-board as a research consultant

Linda, when I did this last time (with George Mason University), being a consultant for 90 days prior to the IPA start date was sufficient.

> On Apr 3, 2018, at 6:12 PM, Dillon, Linda <linda.dillon@ece.gatech.edu> wrote:

>  
> Good Afternoon,  
>  
> I spoke to Roberta in GT's OSP Office and Angelos will need to be on payroll (not a consultant) for 90 days before IPA can be transferred to GT. Roberta handles all the IPA's for GT.  
>  
> I'm working with some other office on campus (COE and Provost) to see if something can be done.  
>  
> Regards,  
> Linda

> -----Original Message-----

> From: Angelos D. Keromytis <[REDACTED]>  
> Sent: Tuesday, April 03, 2018 11:38 AM  
> To: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
> Cc: Dillon, Linda <linda.dillon@ece.gatech.edu>; Antonakakis, Manos <manos@gatech.edu>  
> Subject: Re: Getting Angelos on-board as a research consultant

> Yes, let me find the right person.

>> On Apr 3, 2018, at 3:57 PM, Mitchell, Michael F <michael.mitchell@ece.gatech.edu> wrote:

>>  
>> Hey Angelos,  
>>  
>> I spoke with our HR representative here and we have some questions that we need to get answered. Is there a person in your agency that we can speak to regarding IPA? It's a program that we are very unfamiliar with and since the timing is critical we need to get this right from the onset and ASAP.

>>  
>> Thanks!

>>  
>> Michael

>> -----Original Message-----

>> From: Angelos D. Keromytis <[REDACTED]>  
>> Sent: Thursday, March 29, 2018 11:09 AM  
>> To: Antonakakis, Manos <manos@gatech.edu>  
>> Cc: Mitchell, Michael F <michael.mitchell@ece.gatech.edu>  
>> Subject: Re: Getting Angelos on-board as a research consultant

>>  
>> Ping?

>>> On Mar 26, 2018, at 2:56 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>>>  
>>> Michael, we need to set up Angelos as a consultant for GT. His task will be the review and red-team academic papers we are about to submit to Tier one academic conferences. I would like to hire him for 8 hours per month at \$130ph,



effective ASAP.

>>>

>>> Lets talk about this in our one-on-one meeting tomorrow and then I will let you talk with Angelos directly for the details.

>>>

>>> Thanks,

>>>

>>> —

>>> Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)

>>> Georgia Institute of Technology

>>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>>

>>

>

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, July 11, 2018 3:37:02 PM

To: Roberto Perdisci <perdisci@gtisc.gatech.edu>

CC: Kline, Allison (contr-i2o) <allison.kline.ctr@darpa.mil>; Manos Antonakakis <manos@gatech.edu>; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Crone, Ian <ian.crone@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, July 11, 2018 3:36:53 PM

Subject: Re: Global detection of IoT devices

Attachments: Nameless.txt (4.71 KB)

## Virgil, Franchesca

---

**From:** baseball-bounces@centergate.com on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Saturday, July 22, 2017 4:43 PM  
**To:** baseball@centergate.com  
**Subject:** [DNS Inside Baseball 2017] September/October Inside baseball 2017-Fall

Hi Guys,

Schedules are starting to harden. We had all talked about the next IB, and scheduling it before NANOG71/OARC.

As a reminder, NANOG is Oct 2 (Monday) through Oct 4 (Wednesday) at the Fairmont in San Jose.  
OARC seems to be September 29 (Friday) and September 30 (Saturday) also at the Fairmont in San Jose.

So Saturday night/Sunday/Sunday seem to be available if you want to minimize the time in the Bay Area, or Wednesday/Thursday, which means a week in San Jose, Wednesday through Wednesday, over a weekend.

Allison has indicated that Salesforce may be able to host IB, in San Francisco, rather than San Jose.

Can we start a discussion here now, on logistics? It seems that we have to decide if we want 2 days (meaning Wednesday and Thursday) or one day (Thursday or Sunday). And whether San Francisco for one day and OARC and NANOG in San Jose works

The floor is open :-)

Begin forwarded message:

**From:** Denesh Bhabuta - OARC <[denesh@dns-oarc.net](mailto:denesh@dns-oarc.net)>  
**Subject:** [dns-operations] OARC 27 Accommodation - Very limited availability  
**Date:** July 22, 2017 at 1:19:24 PM EDT  
**To:** [dns-operations@dns-oarc.net](mailto:dns-operations@dns-oarc.net)

Dear colleagues

The OARC 27 accommodation block is in the Fairmont San Jose - the workshop venue itself.

We have once again been working with NANOG (as we are co-locating with NANOG 71) and the booking link is now live at:

<http://www.cvent.com/events/nanog-71/custom-36-4f71b2f3181e49c1ab199f5d5d405bb8.aspx>

There is extremely limited availability of rooms as there are other events taking place across the city during that time and the hotel have informed us no additional rooms will be released. Once the room allocations are exhausted there will be no further rooms available at the hotel.

I, thus, strongly suggest you book your accommodation sooner rather than later (as it is a NANOG block, the rooms are likely to be snapped up very quickly by NANOG only attendees too).

Room rates are from US\$249 + taxes for single and double occupancy.

We will assess the shortfall in number of rooms, so please do contact me and let me know if rooms are no longer available for the OARC 27 dates when you try and book.

Regards

Denesh

---

dns-operations mailing list

[dns-operations@lists.dns-oarc.net](mailto:dns-operations@lists.dns-oarc.net)

<https://lists.dns-oarc.net/mailman/listinfo/dns-operations>

dns-operations mailing list

<https://lists.dns-oarc.net/mailman/listinfo/dns-operations>

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces+cas.dangelo=oit.gatech.edu@nanog.org> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Saturday, October 15, 2016 9:09 AM  
**To:** NANOG  
**Subject:** 18 years ago today - rfc 2468

How time flies....

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Rodney Joffe  
<rjoffe@centergate.com>  
**Sent:** Sunday, October 15, 2017 7:00 PM  
**To:** NANOG  
**Subject:** 19 years ago today (Oct 16th, 1998) we lost our guide - Jon Postel - RFC2468

To us graybeards, it feels like just yesterday. And as Randy points out, this coming Friday we also remember Abha who passed away 16 years ago, in 2001. <http://www.neebu.net/~khuon/abha/>

Sigh.

## Virgil, Franchesca

---

**From:** ARIN-discuss <arin-discuss-bounces@arin.net> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Thursday, October 11, 2018 1:09 AM  
**To:** arin-discuss@arin.net  
**Subject:** [arin-discuss] How to unsubscribe - Was Re: ARIN Election SPAM  
**Attachments:** ATT00001.txt

It's tough to believe you folks are actually successful in this technical industry. You don't know how typical listservs like mailman work, and you're not capable of reading all the way to the footers where the instructions typically reside.

So to help those in the slow-reading group and to save the "few with a clue(tm)" from too many more "unsubscribe me" bleats, repeating what is at the end of every email sent to/from this list:

Unsubscribe or manage your mailing list subscription at:  
<https://lists.arin.net/mailman/listinfo/arin-discuss>

Furrfu

On Oct 11, 2018, at 12:51 AM, Bruce Freshwater <[BFreshwater@sierraexperts.com](mailto:BFreshwater@sierraexperts.com)> wrote:

Your unsubscribe request has been noted.

Feel like Tommy Boy here...for the love of God please quit reply all 😊😂👉

-bruce

On Thu, Oct 11, 2018 at 12:33 AM -0400, "Mike Smith" <[msmith@amcomminc.com](mailto:msmith@amcomminc.com)> wrote:

Unsubscribe

Mike Smith Operations Manager CATV

----- Original message -----

From: Randall Brooks <[randall@pioneerbroadbandnetworks.com](mailto:randall@pioneerbroadbandnetworks.com)>  
Date: 10/11/18 12:28 AM (GMT-05:00)  
To: dotCOM host - Remik <[remik@dotcomhost.com](mailto:remik@dotcomhost.com)>, [arin-discuss@arin.net](mailto:arin-discuss@arin.net)  
Subject: Re: [arin-discuss] ARIN Election SPAM

Unsubscribe

Sent via the Samsung Galaxy S8+, an AT&T 4G LTE smartphone

----- Original message -----

From: dotCOM host - Remik <[remik@dotcomhost.com](mailto:remik@dotcomhost.com)>

Date: 10/10/18 11:24 PM (GMT-06:00)

To: [arin-discuss@arin.net](mailto:arin-discuss@arin.net)

Subject: Re: [arin-discuss] ARIN Election SPAM

Unsubscribe

This is NOT why I joined this list and I have no desire (or time) to see the juvenile Pedro/Trump/Kavanaugh/I Like Beer/Eleventy!!! jokes. There are groups for that, if that's your thing. This is not it. This is an ARIN list. Keep it to ARIN news and info. If you can't - just don't bother the entire world with your "jokes" - every message you send gets sent to thousands upon thousands of people, in case you didn't realize it by now.

Unless this is cleaned up immediately - please remove me from this list.

Remik

On Oct 10, 2018, at 6:45 PM, Nathaniel B. Lyon <[nate.lyon@nfldwifi.net](mailto:nate.lyon@nfldwifi.net)> wrote:

Unsubscribe

**Nathaniel B. Lyon | Founder, President**

NorthfieldWiFi | [www.northfieldwifi.com](http://www.northfieldwifi.com)

[1403 Heritage Drive, Suite A | Northfield, MN 55057](https://www.google.com/maps/place/1403+Heritage+Drive,+Suite+A+|+Northfield,+MN+55057)

[612\) 991-4260 ext. 6](tel:6129914260) | [nate.lyon@nfldwifi.net](mailto:nate.lyon@nfldwifi.net)

On Oct 10, 2018, at 8:41 PM, Brad Timberlake <[bradt@pcsia.com](mailto:bradt@pcsia.com)> wrote:

*unsubscribe*

---

ARIN-Discuss

You are receiving this message because you are subscribed to the ARIN Discussion Mailing List ([ARIN-discuss@arin.net](mailto:ARIN-discuss@arin.net)).

Unsubscribe or manage your mailing list subscription at:

<https://lists.arin.net/mailman/listinfo/arin-discuss>

Please contact [info@arin.net](mailto:info@arin.net) if you experience any issues.

---

ARIN-Discuss

You are receiving this message because you are subscribed to the ARIN Discussion Mailing List ([ARIN-discuss@arin.net](mailto:ARIN-discuss@arin.net)).

Unsubscribe or manage your mailing list subscription at:

<https://lists.arin.net/mailman/listinfo/arin-discuss>

Please contact [info@arin.net](mailto:info@arin.net) if you experience any issues.

---

ARIN-Discuss

You are receiving this message because you are subscribed to



the ARIN Discussion Mailing List ([ARIN-discuss@arin.net](mailto:ARIN-discuss@arin.net)).  
Unsubscribe or manage your mailing list subscription at:  
<https://lists.arin.net/mailman/listinfo/arin-discuss>  
Please contact [info@arin.net](mailto:info@arin.net) if you experience any issues.

## Virgil, Franchesca

---

**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Wednesday, August 10, 2016 7:56 AM  
**To:** Roberts, Kristen N; Joffe, Rodney  
**Subject:** DARPA - EA Sub: Neustar

Hey Kristen,

Please meet Rodney. Rodney, Kristen is my great financial admin.

Kristen, Rodney can help you with all necessary details you might need for OSP.

For Neustar, will have the following yearly breakdown:

Y1: \$1M  
Y2: \$300K  
Y3: \$250K  
Y4: \$250K  
Y5: \$125K

The SOW have been structured in such away that will reflect this distribution of funds. One special thing with Neustar is the following. It would be ideal if we can have a PO from them by 30th of September. This is something that we should try very hard to do.

Rodney, please help Kristen with any information she might need from Neustar in order to have you formally in the GT systems as a vendor.

Cheers,

Manos

## Virgil, Franchesca

---

**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Tuesday, September 27, 2016 4:29 PM  
**To:** Joffe, Rodney; Hayman, Denise  
**Cc:** Roberts, Kristen N  
**Subject:** DARPA EA clarifications --- Neustar  
**Attachments:** Basic\_DARPA\_BUDGET\_Manos.xls

Hey Rodney and Denise,

Hope you are doing great. Kristen and I would like from you the following clarifications.

1. Please provide us a new quote for \$1,925,000, where you clearly state the discount you gave us.
2. Please provide as a working Excel workbook for the pricing proposal. (Attached the template).

If you need any clarification on these (especially on the working Excel workbook), Kristen and I are here to help.

Many thanks,

Manos

## Virgil, Franchesca

---

**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Saturday, November 19, 2016 9:45 AM  
**To:** David Dagon; Farrell, Michael D; Beyah, Raheem A; Joffe, Rodney; Fabian Monroe  
**Subject:** DARPA Team Dinner

Gents,

You (and members of your teams?) will come out to the kick off meeting. Can you please confirm that you (and your team?) will be available for a Monday dinner? I will try to get us a place walking distance from DARPA and the Hilton hotel (where most of us will be staying).

Thanks,

Manos

## Virgil, Franchesca

---

**From:** Travis, Elan <Elan.travis@osp.gatech.edu>  
**Sent:** Friday, September 16, 2016 4:44 PM  
**To:** 'rodney.joffe@neustar.biz'  
**Cc:** Antonakakis, Manos; Roberts, Kristen N  
**Subject:** Draft/sample subcontract  
**Attachments:** Draft Subcontract Cost Reimbursement template.doc

Good Afternoon Rodney,

Kristen Roberts in Georgia Techs School of Electrical and Computer Engineering asked me to provide you with a draft subcontract. I have attached the draft template, please know that depending on the prime awards terms this may change with items being removed and/or added.

Please feel free to contact my if you have any questions or concerns.

### Élan Travis

Contracting Specialist

**Georgia Institute of Technology | GTRC**

Office of Sponsored Programs

505 Tenth Street, Atlanta GA 30332-0420

404.385-3645 p | 404.894.5945 f | [elan.travis@osp.gatech.edu](mailto:elan.travis@osp.gatech.edu)



## Virgil, Franchesca

---

**From:** McConnell, Kirk (Armed Services) <Kirk\_McConnell@armed-services.senate.gov>  
**Sent:** Saturday, June 29, 2019 12:32 AM  
**To:** Antonakakis, Manos; Rodney Joffe; Joffe Rodney  
**Subject:** Fwd: connection for briefing on Enhanced Attribution

Well, Michael is quite a guy isn't he?

Sent from my iPhone

Begin forwarded message:

**From:** "Farrell, Michael" <[michael.farrell@isp.gatech.edu](mailto:michael.farrell@isp.gatech.edu)>  
**Date:** June 28, 2019 at 4:41:00 PM EDT  
**To:** "McConnell, Kirk (Armed Services)" <[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)>  
**Cc:** Ian Crone <[ian.crone@darpa.mil](mailto:ian.crone@darpa.mil)>, "lisa.heyes@darpa.mil" <[lisa.heyes@darpa.mil](mailto:lisa.heyes@darpa.mil)>  
**Subject:** Re: connection for briefing on Enhanced Attribution

Kirk,

Thanks for your interest in Georgia Tech research. However, we (GT) have no comment or position on the below. In fact, going forward please contact DARPA directly about any and all issues or questions or comments related to the enhanced attribution program. The DARPA congressional liaison and program manager are copied on this message and can respond, as needed. The Georgia Tech/GTRI PI and Co-PIs on this research program are not the appropriate POCs for any questions, comments, or concerns.

The government, not GT, makes decisions related to funding and transition from research at DARPA to other entities. The focus of Manos, myself and other Co-PIs is completely on doing impactful research. We follow contractual requirements and relevant policies for our part of this program (and GT is only one part), and devote our energy to 'creating the next' in cyber security.

Best,

Michael

On Jun 25, 2019, at 12:24, McConnell, Kirk (Armed Services) <[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)> wrote:

FYI. Andy is on the SAC-D staff. Andrew Pahutski from SCO is seeking approval from us on the Hill to shift some SCO money to Enhanced Attribution.

---

**From:** McConnell, Kirk (Armed Services)  
**Sent:** Tuesday, June 25, 2019 12:22 PM  
**To:** Heyes, Lisa ([lisa.heyes@darpa.mil](mailto:lisa.heyes@darpa.mil)) <[lisa.heyes@darpa.mil](mailto:lisa.heyes@darpa.mil)>; Vanlandingham, Andy (Appropriations) <[Andy\\_Vanlandingham@appro.senate.gov](mailto:Andy_Vanlandingham@appro.senate.gov)>  
**Subject:** connection for briefing on Enhanced Attribution

Lisa –

Andy Vanlandingham is interested in learning more about DARPA's Enhanced Attribution cybersecurity program. It turns out that a current SCO program manager whom we know well is moving over to Cyber Command to help with the transition of this DARPA program to CYBERCOM. Thanks, Kirk

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Friday, February 22, 2019 8:03 AM  
**To:** Rodney Joffe; Joffe, Rodney  
**Cc:** Ian Crone; Schneck, Christopher (contr-i2o)  
**Subject:** E-introductions: Neustar --- new EA PM

Hey Rodney,

I am very happy to announce that we now have a new Program Manager (PM) for the EA project. Mr. Ian Crone will be leading the program from this point on, and Mr. Chris Schneck will be helping him out.

All of us think that it would be great if the new PM team meets (in a virtual or physical meeting) with you and talk about the datasets you have been providing in support of my effort in this project. I do not \_have to\_ be part of this meeting, because my schedule is too busy and I will simply slow things down. You should work directly with the Chris and Ian and set the meeting up.

Many thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668



## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Monday, November 13, 2017 7:27 AM  
**To:** Joffe, Rodney; Rodney Joffe  
**Subject:** Fw: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017  
**Attachments:** DARPA104.pdf; DARPA60.pdf

Rodney, please note the new registration process you have to go through in order to attend the meeting. Let me know if you want to be there.

Cheers,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Monday, November 13, 2017 7:25 AM  
To: fabian@cs.unc.edu; [REDACTED]; Farrell, Michael D; Demar, Jeremy; perdisci@cs.uga.edu; Ahamad, Mustaque; Blough, Douglas M  
Subject: Fw: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017

Folks, please see inline -- the registration process has changed. Let me know if you can make this meeting.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Sent: Thursday, November 9, 2017 1:18 PM  
To: Maddern, Thomas (contr-i2o); Patel, Tejas (contr-i2o)  
Cc: mikef@kududyn.com; Antonakakis, Manos; Robert Wright; Neil Costigan; Scott Tenaglia; Vince Urias; Stephen Schwab; Ben Radford  
Subject: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017

All:

The registration process for this PI meeting will be different from previous ones. Rather than going through a registration website, we're requesting that each PI respond to Tom Maddern (thomas.maddern.ctr@darpa.mil) with the names, organizations, and countries of citizenship for each of your team members planning on attending. Please provide this information by COB Monday, November 27th.

Each individual attending will need to bring a completed DARPA Form 104 (attached) along with a government issued ID to the meeting. Non-US citizens will need to submit a DARPA Form 60 (attached) in advance.

Due to a recent DARPA policy change, we are no longer permitted to collect registration fees for covering expenses associated providing with food and beverages at PI meetings. Instead, as shown in the agenda, time will be allowed for lunch and other refreshments to be purchased individually at one of the many local restaurants near DARPA or in the café near the building lobby.

Any questions or concerns you may have about this meeting can be directed to both Tom and myself.

Regards,

Tejas Patel

Systems Engineering and Technical Assistance DARPA I2O

work: +1 571-218-4936

blackberry: +1 571-239-5912

NIPR: tejas.patel.ctr@darpa.mil

SIPR: tejas.patel.ctr@darpa.smil.mil

JWICS: tejas.patel.ctr@darpa.ic.gov

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Wednesday, November 8, 2017 2:54 PM  
**To:** Joffe, Rodney  
**Cc:** Rodney Joffe  
**Subject:** Fw: Notification HR001117S0051-HACCS-FP-029  
**Attachments:** Letter 029.pdf

Great news Rodney, we got the official notification that we won HACCS! Please relay the news internally to your team.

Cheers,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: HACCS <haccs@darpa.mil>  
Sent: Wednesday, November 8, 2017 12:31 PM  
To: Antonakakis, Manos; Farrell, Michael D  
Cc: HACCS  
Subject: Notification HR001117S0051-HACCS-FP-029

Dear Proposer,

Please see the attached file regarding your proposal submission (HR001117S0051-HACCS-FP-029) that was submitted to the Harnessing Autonomy for Countering Cyberadversary Systems (HACCS) solicitation.

Regards,

DARPA/I2O

## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Monday, September 17, 2018 5:01 AM  
**To:** Antonakakis, Manos  
**Subject:** Fwd: [cw general] Change of Affiliation

One of yours?

Useful?

Begin forwarded message:

**From:** Paul Pearce <[pearce@cs.berkeley.edu](mailto:pearce@cs.berkeley.edu)>  
**Subject:** [cw general] Change of Affiliation  
**Date:** September 15, 2018 at 3:04:12 PM EDT  
**To:** "~~~~ CrimeWare ~~~~" <[cw-general@ops-trust.net](mailto:cw-general@ops-trust.net)>

Hello all,

I recently completed my PhD at UC Berkeley and have joined Georgia Tech as a professor of computer science.

I plan to keep doing the same type of research (abuse, cybercrime, APTs, censorship) and hope re-connect with you all at future events!

Aside: I am spending the next 10mo at Facebook as a visiting researcher with Site Integrity, but I am not representing them in any capacity, nor am I an appropriate contact for the company.

-Paul

--

[[ trident ]]: All message content remains the property of the author and must not be forwarded or redistributed without explicit permission.

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Tuesday, January 7, 2020 8:17 AM  
**To:** Rodney Joffe  
**Subject:** Some advice

<https://twitter.com/CISAKrebs/status/1214398302663446530?s=20>

Rodney, I know you are friends with Chris, so as a friend I would suggest you make him aware of the following.

The MITRE ATT&CK framework is in essence a collection of attack signatures. It is embarrassing for the US for Chris to come out in public and say that Iran will be using attack methods that have not only been identified historically from US analysts, but they are available to be seen in the public domain.

That is, if the Iranians are tru

--

Manos Antonakakis | Associate Professor | [manos@gatech.edu](mailto:manos@gatech.edu)  
School of Electrical and Computer Engineering  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, June 14, 2017 9:44 AM  
**To:** Ge Dupin  
**Cc:** NANOG  
**Subject:** Re: Vendors spamming NANOG attendees

I guess that explains why so many newcomers are confused about what spam is.

> On Jun 14, 2017, at 5:33 AM, Ge Dupin <gdupin@taho.fr> wrote:

>

> It looks like there are more spams coming from these discussions than from the original Scams/Spams..

> Ge

>

>>> Le 14 juin 2017 à 14:26, Rodney Joffe <rjoffe@centergate.com> a écrit :

>>>

>>>

>>>

>>> On Jun 13, 2017, at 10:28 PM, Mel Beckman <mel@beckman.org> wrote:

>>>

>>> But as I said, harvesting emails is not illegal under can spam. And the requirement to not send you UCE to harvested emails is pointless, because how do you prove that someone did that?

>>>

>> Because he said so?

>>

>>>>> The spammer had the balls to say, in his email:

>>>>>

>>>>>

>>>>> We do not know each other. I'm leveraging the attendee list for NANOG to reach out and raise awareness of the value of OCS (Optical Circuit Switching) in the data center and in particular, the Carrier Neutral Hotel where we've been active with next generation MeetMeRoom discussions.

>>

>>

>

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Tuesday, June 13, 2017 11:57 AM  
**To:** Mel Beckman  
**Cc:** NANOG  
**Subject:** Re: Vendors spamming NANOG attendees

> On Jun 13, 2017, at 8:31 AM, Mel Beckman <mel@beckman.org> wrote:

>  
> Rodney,  
>  
> You said "I see something every couple of months that I can track back to NANOG, or ARIN."

>  
> I would hardly call this a flood. But my point is that most people posting to NANOG, being technical people, respond to notifications that they are spamming. Your example email illustrates this perfectly. Sometimes they're ignorant and don't realize they're spamming. If they're persistent they get removed from the list (I don't think that has had to happen for several years).

>  
> The remaining spammers are easily caught by filters, as you can plainly see.

>  
> I don't see your need for urgency, and you still haven't said what you propose as a better arrangement. I made my suggestion. What's yours?

I'm one of 10,000. I assume others see as many as I do (I have no idea how many get caught in my filters).

I don't recall calling this a flood. Did I? And I don't believe he is on the list so there's no way to "remove" him. I think the list does a good job over time "training" subscribers.

But I did say that if others don't respond to spammers to this list from vendors, it will become a problem. The list is fertile ground. And I'm not sure that Sterns response indicates any awareness. He admitted he used the 1,300 person attendee list as a prospecting tool.

So all that I am suggesting is that others take the time to respond to spam from vendors (as I did) rather than ignoring it (just hitting delete doesn't work out in the long run). I have to assume that after a reasonable number of people do complain to his company, they'll learn. And others on the list who are tempted, change their minds. I don't think the list itself per se suffers from a spam problem - although my 3 emails probably qualify as too much noise already. But it is vendors who use the list to prospect who should be discouraged.

Btw I have no doubt that rogue salesmen from my companies over the years have tried it once. When I find out about it, I do kick butts.

I'm hoping that this discussion is enough to get Calient to rethink their strategy. For crying out loud, the guy is a VP in their company. What kind of example is that?

I'll end my public noise here :-)

Rodney

>  
> -mel  
>  
>> On Jun 13, 2017, at 8:19 AM, Rodney Joffe <rjoffe@centergate.com> wrote:  
>>  
>>  
>>> On Jun 13, 2017, at 9:02 AM, Mel Beckman <mel@beckman.org> wrote:  
>>>  
>>> Rodney,  
>>>  
>>> What do you suggest? Shoot them at Dawn? :-)  
>>>  
>>> The standard warning and education has always been adequate in the past. We don't have a runaway spamming problem on the list.  
>>  
>> What standard warning and education?  
>>  
>> We have filters to stop spam making it to the list.  
>>  
>> But there is definitely a spamming problem of sorts amongst vendors, to subscriber addresses.  
>>  
>> I see something every couple of months that I can track back to NANOG, or ARIN.  
>>  
>> What I \*know\* is that if you open the door, and ignore it with vendors on NANOG, the list members will end up having a problem. If you want to know why I consider myself an expert, feel free to ask me offline about what the attitude that those of us who ran "the backbone" in 1994 had - and how that worked out.  
>>  
>> On the other hand, as a senior citizen, at the end of my tech days, with enable grudgingly given up, I guess I could turn away and say "not my problem, really".  
>>  
>> YMMV.  
>>>  
>>> -mel beckman  
>>>  
>>>> On Jun 13, 2017, at 6:00 AM, Rodney Joffe <rjoffe@centergate.com> wrote:  
>>>>  
>>>> It seems that more than just a few of us were spammed by Glenn Stern (gstern@calient.net), an employee of Calient following NANOG 70.  
>>>>  
>>>> The spammer had the balls to say, in his email:  
>>>>  
>>>>>  
>>>>> We do not know each other. I'm leveraging the attendee list for NANOG to reach out and raise awareness of the value of OCS (Optical Circuit Switching) in the data center and in particular, the Carrier Neutral Hotel where we've been active with next generation MeetMeRoom discussions.  
>>>>  
>>>> He does not show as an attendee at NANOG, but another executive, David Altstaetter, daltstaetter@calient.net did register, and may have even shown up. Hopefully those of you who have traditional community attitudes will show your reaction via your pocketbooks.



>>>>  
>>>> Maybe its time for the NANOG board and staff to step in, and develop some teeth to use in cases like these? Unless the majority of you members are cool with unfettered spamming of member and attendee lists. In which case, have at it!  
>>>>  
>>>> Rodney  
>>

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Tuesday, June 13, 2017 11:20 AM  
**To:** Mel Beckman  
**Cc:** NANOG  
**Subject:** Re: Vendors spamming NANOG attendees

> On Jun 13, 2017, at 9:02 AM, Mel Beckman <mel@beckman.org> wrote:

>

> Rodney,

>

> What do you suggest? Shoot them at Dawn? :-)

>

> The standard warning and education has always been adequate in the past. We don't have a runaway spamming problem on the list.

What standard warning and education?

We have filters to stop spam making it to the list.

But there is definitely a spamming problem of sorts amongst vendors, to subscriber addresses.

I see something every couple of months that I can track back to NANOG, or ARIN.

What I *know* is that if you open the door, and ignore it with vendors on NANOG, the list members will end up having a problem. If you want to know why I consider myself an expert, feel free to ask me offline about what the attitude that those of us who ran "the backbone" in 1994 had - and how that worked out.

On the other hand, as a senior citizen, at the end of my tech days, with enable grudgingly given up, I guess I could turn away and say "not my problem, really".

YMMV.

>

> -mel beckman

>

>> On Jun 13, 2017, at 6:00 AM, Rodney Joffe <rjoffe@centergate.com> wrote:

>>

>> It seems that more than just a few of us were spammed by Glenn Stern (gstern@calient.net), an employee of Calient following NANOG 70.

>>

>> The spammer had the balls to say, in his email:

>>

>>>

>>> We do not know each other. I'm leveraging the attendee list for NANOG to reach out and raise awareness of the value of OCS (Optical Circuit Switching) in the data center and in particular, the Carrier Neutral Hotel where we've been active with next generation MeetMeRoom discussions.

>>

>> He does not show as an attendee at NANOG, but another executive, David Altstaetter, daltstaetter@calient.net did register, and may have even shown up. Hopefully those of you who have traditional community attitudes will show your reaction via your pocketbooks.

>>

>> Maybe its time for the NANOG board and staff to step in, and develop some teeth to use in cases like these? Unless the majority of you members are cool with unfettered spamming of member and attendee lists. In which case, have at it!

>>

>> Rodney

>>

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Mel Beckman <mel@beckman.org>  
**Sent:** Wednesday, June 14, 2017 9:21 AM  
**To:** Rodney Joffe  
**Cc:** NANOG  
**Subject:** Re: Vendors spamming NANOG attendees

Rodney,

You make a good point. But I wonder how often spammers are so obvious, and I wonder if his "leveraging" falls amiss of CAN-SPAM's specific prohibition:

(I) harvesting electronic mail addresses of the users of a website, proprietary service, or other online public forum operated by another person, without the authorization of such person; and

(II) randomly generating electronic mail addresses by computer;

Technically, this spammer harvested the names of attendees at a physical conference, not of some online resource, which is what CAN-SPAM prohibits. I know it's splitting hairs, but that's what spammers do.

My point is that CAN-SPAM is virtually useless. There have been a handful of prosecutions in more than a decade, and spammers are not seeming to be deterred.

I know there are honeypots that try to catch electronic harvesters, but I don't think they could provide proof of someone who got his emails from a list of attendees at an event, a shared customer list, etc.

-mel

On Jun 14, 2017, at 5:26 AM, Rodney Joffe <rjoffe@centergate.com<mailto:rjoffe@centergate.com>> wrote:

On Jun 13, 2017, at 10:28 PM, Mel Beckman <mel@beckman.org<mailto:mel@beckman.org>> wrote:

But as I said, harvesting emails is not illegal under can spam. And the requirement to not send you UCE to harvested emails is pointless, because how do you prove that someone did that?

Because he said so?

The spammer had the balls to say, in his email:

We do not know each other. I'm leveraging the attendee list for NANOG to reach out and raise awareness of the value of OCS (Optical Circuit Switching) in the data center and in particular, the Carrier Neutral Hotel where we've been active with next generation MeetMeRoom discussions.

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Randy Bush <randy@psg.com>  
**Sent:** Tuesday, June 13, 2017 11:44 PM  
**To:** Rodney Joffe  
**Cc:** NANOG  
**Subject:** Re: Vendors spamming NANOG attendees

> It seems that more than just a few of us were spammed by Glenn Stern  
> (gstern@calient.net), an employee of Calient following NANOG 70.  
> ...  
> Hopefully those of you who have traditional community attitudes will  
> show your reaction via your pocketbooks.

traditional community attitudes left the building long ago. nanog has become a trade show, for which this is normal behavior. i expect mail "stop by our booth at nanog 42," and so forth.

randy

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Mel Beckman <mel@beckman.org>  
**Sent:** Tuesday, June 13, 2017 12:38 PM  
**To:** Rodney Joffe  
**Cc:** NANOG  
**Subject:** Re: Vendors spamming NANOG attendees

Rodney,

My misunderstanding. Despite the subject line noting NANOG attendees, I interpreted your statement "It seems that more than just a few of us were spammed..." to be referring to the NANOG mailing list ("us"). I figured the spammer was signing up to the list first.

As for the attendee list, short of making it secret I'm (which would be counterproductive), I think we just have to live with it (I did not attend this year, and thus didn't get spammed).

-mel

On Jun 13, 2017, at 8:57 AM, Rodney Joffe <rjoffe@centergate.com<mailto:rjoffe@centergate.com>> wrote:

On Jun 13, 2017, at 8:31 AM, Mel Beckman <mel@beckman.org<mailto:mel@beckman.org>> wrote:

Rodney,

You said "I see something every couple of months that I can track back to NANOG, or ARIN."

I would hardly call this a flood. But my point is that most people posting to NANOG, being technical people, respond to notifications that they are spamming. Your example email illustrates this perfectly. Sometimes they're ignorant and don't realize they're spamming. If they're persistent they get removed from the list (I don't think that has had to happen for several years).

The remaining spammers are easily caught by filters, as you can plainly see.

I don't see your need for urgency, and you still haven't said what you propose as a better arrangement. I made my suggestion. What's yours?

I'm one of 10,000. I assume others see as many as I do (I have no idea how many get caught in my filters).

I don't recall calling this a flood. Did I? And I don't believe he is on the list so there's no way to "remove" him. I think the list does a good job over time "training" subscribers.

But I did say that if others don't respond to spammers to this list from vendors, it will become a problem. The list is fertile ground. And I'm not sure that Sterns response indicates any awareness. He admitted he used the 1,300 person attendee list as a prospecting tool.

So all that I am suggesting is that others take the time to respond to spam from vendors (as I did) rather than ignoring it (just hitting delete doesn't work out in the long run). I have to assume that after a reasonable number of people do

complain to his company, they'll learn. And others on the list who are tempted, change their minds. I don't think the list itself per se suffers from a spam problem - although my 3 emails probably qualify as too much noise already. But it is vendors who use the list to prospect who should be discouraged.

Btw I have no doubt that rogue salesmen from my companies over the years have tried it once. When I find out about it, I do kick butts.

I'm hoping that this discussion is enough to get Calient to rethink their strategy. For crying out loud, the guy is a VP in their company. What kind of example is that?

I'll end my public noise here :-)

Rodney

-mel

On Jun 13, 2017, at 8:19 AM, Rodney Joffe <rjoffe@centergate.com<mailto:rjoffe@centergate.com>> wrote:

On Jun 13, 2017, at 9:02 AM, Mel Beckman <mel@beckman.org<mailto:mel@beckman.org>> wrote:

Rodney,

What do you suggest? Shoot them at Dawn? :-)

The standard warning and education has always been adequate in the past. We don't have a runaway spamming problem on the list.

What standard warning and education?

We have filters to stop spam making it to the list.

But there is definitely a spamming problem of sorts amongst vendors, to subscriber addresses.

I see something every couple of months that I can track back to NANOG, or ARIN.

What I \*know\* is that if you open the door, and ignore it with vendors on NANOG, the list members will end up having a problem. If you want to know why I consider myself an expert, feel free to ask me offline about what the attitude that those of us who ran "the backbone" in 1994 had - and how that worked out.

On the other hand, as a senior citizen, at the end of my tech days, with enable grudgingly given up, I guess I could turn away and say "not my problem, really".

YMMV.

-mel beckman

On Jun 13, 2017, at 6:00 AM, Rodney Joffe <rjoffe@centergate.com<mailto:rjoffe@centergate.com>> wrote:

It seems that more than just a few of us were spammed by Glenn Stern (gstern@calient.net<mailto:gstern@calient.net>), an employee of Calient following NANOG 70.

The spammer had the balls to say, in his email:

We do not know each other. I'm leveraging the attendee list for NANOG to reach out and raise awareness of the value of OCS (Optical Circuit Switching) in the data center and in particular, the Carrier Neutral Hotel where we've been active with next generation MeetMeRoom discussions.

He does not show as an attendee at NANOG, but another executive, David Altstaetter, daltstaetter@calient.net<mailto:daltstaetter@calient.net> did register, and may have even shown up. Hopefully those of you who have traditional community attitudes will show your reaction via your pocketbooks.

Maybe its time for the NANOG board and staff to step in, and develop some teeth to use in cases like these? Unless the majority of you members are cool with unfettered spamming of member and attendee lists. In which case, have at it!

Rodney



## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Mel Beckman <mel@beckman.org>  
**Sent:** Tuesday, June 13, 2017 11:32 AM  
**To:** Rodney Joffe  
**Cc:** NANOG  
**Subject:** Re: Vendors spamming NANOG attendees

Rodney,

You said "I see something every couple of months that I can track back to NANOG, or ARIN."

I would hardly call this a flood. But my point is that most people posting to NANOG, being technical people, respond to notifications that they are spamming. Your example email illustrates this perfectly. Sometimes they're ignorant and don't realize they're spamming. If they're persistent they get removed from the list (I don't think that has had to happen for several years).

The remaining spammers are easily caught by filters, as you can plainly see.

I don't see your need for urgency, and you still haven't said what you propose as a better arrangement. I made my suggestion. What's yours?

-mel

> On Jun 13, 2017, at 8:19 AM, Rodney Joffe <rjoffe@centergate.com> wrote:

>

>

>> On Jun 13, 2017, at 9:02 AM, Mel Beckman <mel@beckman.org> wrote:

>>

>> Rodney,

>>

>> What do you suggest? Shoot them at Dawn? :-)

>>

>> The standard warning and education has always been adequate in the past. We don't have a runaway spamming problem on the list.

>

> What standard warning and education?

>

> We have filters to stop spam making it to the list.

>

> But there is definitely a spamming problem of sorts amongst vendors, to subscriber addresses.

>

> I see something every couple of months that I can track back to NANOG, or ARIN.

>

> What I \*know\* is that if you open the door, and ignore it with vendors on NANOG, the list members will end up having a problem. If you want to know why I consider myself an expert, feel free to ask me offline about what the attitude that those of us who ran "the backbone" in 1994 had - and how that worked out.

>

> On the other hand, as a senior citizen, at the end of my tech days, with enable grudgingly given up, I guess I could turn away and say "not my problem, really".

>  
> YMMV.  
>>  
>> -mel beckman  
>>  
>>> On Jun 13, 2017, at 6:00 AM, Rodney Joffe <rjoffe@centergate.com> wrote:  
>>>  
>>> It seems that more than just a few of us were spammed by Glenn Stern (gstern@calient.net), an employee of Calient following NANOG 70.  
>>>  
>>> The spammer had the balls to say, in his email:  
>>>  
>>>> We do not know each other. I'm leveraging the attendee list for NANOG to reach out and raise awareness of the value of OCS (Optical Circuit Switching) in the data center and in particular, the Carrier Neutral Hotel where we've been active with next generation MeetMeRoom discussions.  
>>>  
>>> He does not show as an attendee at NANOG, but another executive, David Altstaetter, daltstaetter@calient.net did register, and may have even shown up. Hopefully those of you who have traditional community attitudes will show your reaction via your pocketbooks.  
>>>  
>>> Maybe its time for the NANOG board and staff to step in, and develop some teeth to use in cases like these? Unless the majority of you members are cool with unfettered spamming of member and attendee lists. In which case, have at it!  
>>>  
>>> Rodney  
>

## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Thursday, September 6, 2018 11:00 PM  
**To:** Antonakakis, Manos  
**Subject:** Re: Touch base

Manos my friend, that doesn't relate to what he asked you. And he knows the proposal update from John.

Just say "you're right, Rodkneeee". 😊

> On Sep 6, 2018, at 10:57 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> You assume too much. That is not true. I was planning to tell him about the proposal.

>  
> —  
> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Rodney Joffe <rjoffe@centergate.com>

> Sent: Thursday, September 6, 2018 10:56:14 PM  
> To: Antonakakis, Manos  
> Subject: Re: Touch base

>  
> Then why did you invite him to call for unofficial news? That implies  
> you have something different to Angelos. You will regret it because  
> now he will start in on you again... and keep pushing. And you invited  
> it 😞

>  
>> On Sep 6, 2018, at 10:52 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>>  
>> I was not planing to, because that is the only hard facts I have.

>>  
>> —  
>> Manos Antonakakis | manos@gatech.edu  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>>  
>> \_\_\_\_\_  
>> From: Rodney Joffe <rjoffe@centergate.com>

>> Sent: Thursday, September 6, 2018 10:50:48 PM  
>> To: Antonakakis, Manos  
>> Subject: Re: Touch base

>>  
>> DONT TELL HIM ANYTHING DIFFERENT TO ANGELOS After Oct 1 new fiscal year.  
>>

>>> On Sep 6, 2018, at 10:35 PM, Antonakakis, Manos <manos@gatech.edu> wrote:  
>>>  
>>> Venkat, nothing official at the moment. We are in waiting mode. If you want some unofficial news, you can give me a quick call.  
>>>  
>>> Thanks,  
>>>  
>>> —  
>>> Manos Antonakakis | manos@gatech.edu Georgia Institute of Technology  
>>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>>  
>>>  
>>> \_\_\_\_\_  
>>> From: Achanta, Venkat <Venkat.Achanta@team.neustar>  
>>> Sent: Thursday, September 6, 2018 10:30:34 PM  
>>> To: Antonakakis, Manos  
>>> Cc: Joffe, Rodney  
>>> Subject: Touch base  
>>>  
>>> Manos,  
>>>  
>>> Do you have any other information from DARPA program managers chasing possible path for this fiscal funding ?  
>>>  
>>> Thank you.  
>>>  
>>> Venkat.  
>>  
>

## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Thursday, September 6, 2018 10:51 PM  
**To:** Antonakakis, Manos  
**Subject:** Re: Touch base

DONT TELL HIM ANYTHING DIFFERENT TO ANGELOS After Oct 1 new fiscal year.

> On Sep 6, 2018, at 10:35 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Venkat, nothing official at the moment. We are in waiting mode. If you want some unofficial news, you can give me a quick call.

>  
> Thanks,

>  
> —  
> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Achanta, Venkat <Venkat.Achanta@team.neustar>

> Sent: Thursday, September 6, 2018 10:30:34 PM  
> To: Antonakakis, Manos  
> Cc: Joffe, Rodney  
> Subject: Touch base

>  
> Manos,

>  
> Do you have any other information from DARPA program managers chasing possible path for this fiscal funding ?

>  
> Thank you.

>  
> Venkat.

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Thursday, September 6, 2018 10:53 PM  
**To:** Rodney Joffe  
**Subject:** Re: Touch base

I was not planing to, because that is the only hard facts I have.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Thursday, September 6, 2018 10:50:48 PM  
To: Antonakakis, Manos  
Subject: Re: Touch base

DONT TELL HIM ANYTHING DIFFERENT TO ANGELOS After Oct 1 new fiscal year.

> On Sep 6, 2018, at 10:35 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Venkat, nothing official at the moment. We are in waiting mode. If you want some unofficial news, you can give me a quick call.

>  
> Thanks,

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Achanta, Venkat <Venkat.Achanta@team.neustar>  
> Sent: Thursday, September 6, 2018 10:30:34 PM  
> To: Antonakakis, Manos  
> Cc: Joffe, Rodney  
> Subject: Touch base

>  
> Manos,  
>  
> Do you have any other information from DARPA program managers chasing possible path for this fiscal funding ?

>  
> Thank you.

>  
> Venkat.



## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Monday, June 13, 2016 12:50 PM  
**To:** [REDACTED]  
**Cc:** Manos Antonakakis  
**Subject:** Re: The "Paper"

Hi [REDACTED],

No problem. I wanted to try and create something that you could easily reject.

Should I wait for your final version from your other students before editing so we don't duplicate effort? I am sure I could use latex, with a little direction.

> On Jun 13, 2016, at 12:47 PM, [REDACTED] wrote:

>  
> Hello Rodney,  
>  
> We do not have any word files because we work with latex.  
> The latex files are editable so we could share the repository or just send you the directory of the paper.  
> I just got feedback from two other students about grammatical errors and I am addressing them.  
> I do not think that a word document would support the templates and the graph format that we are using even if it is possible to be generated.

>  
> [REDACTED]  
>  
>  
>  
>  
>> On 13 Jun 2016, at 02:17, Manos Antonakakis <[REDACTED]> wrote:

>>  
>> Hey Rodney,  
>>  
>> I think most of the grammar and spelling are being fixed from the guys in the lab. However, we would love your feedback too. [REDACTED] is handling the camera ready version of the paper. [REDACTED], how we can share a doc file with Rodney?

>>  
>> One note, Rodney. The paper is accepted, so we cannot do major rewrites. We can only improve grammar and spelling, nothing more. So, I am not sure if we can do "partial contextual rewrites".

>>  
>> Thanks,  
>>  
>> Manos

>> On Sun, Jun 12, 2016 at 10:27 PM, Rodney Joffe <rjoffe@centergate.com> wrote:

>> Ver interesting. Surprising technically.

>>  
>> I have a lot of edits - mainly grammatical, and language. But as I get halfway through I can see that it might be improved by some partial contextual rewrites. Some things are repeated and I think can be improved by reordering and shortening the repetition.



>>  
>> Can't edit a PDF. Do you have something in a format I can edit in Word, with tracking! Or another suggestion?  
>>  
>> Thanks  
>> Rodney  
>>  
>>  
>>  
>>  
>>  
>

## Virgil, Franchesca

---

**From:** [REDACTED]  
**Sent:** Thursday, June 23, 2016 2:42 PM  
**To:** Rodney Joffe  
**Cc:** Manos Antonakakis  
**Subject:** Re: The "Paper"  
**Attachments:** raid2016.zip; ATT00001.txt

You can run a diff over the files, they are just text files but with the .tex extension.  
I have embedded the compressed directory with all the tex files.  
Each .tex file represents a different chapter in the paper.  
The directory also includes a compiled pdf version.

Thank you,

[REDACTED]

## Virgil, Franchesca

---

**From:** Rodney Joffe <rodney.joffe@neustar.biz>  
**Sent:** Tuesday, September 20, 2016 5:27 PM  
**To:** Noland, Yvonne  
**Cc:** Cameron, Yolonda L; Antonakakis, Emmanouil K  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Many thanks, Yvonne.

> On Sep 20, 2016, at 3:48 PM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:

>

> Hi Rodney,

>

> Attached please find the fully executed NDA.

>

> Thank you,

>

> Yvonne Noland

> Legal Services Coordinator

> Georgia Institute of Technology

> Office of Legal Affairs

> Atlanta, GA 30332-0495

> Email: Yvonne.Noland@legal.gatech.edu

> Phone: 404-894-4812

> Fax: 404-894-3120

>

>

> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

>

>

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Thursday, September 08, 2016 12:29 PM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Almost there :-)

>

>

> Begin forwarded message:

>

> From: Contracts <Contracts@neustar.biz>

> Date: September 8, 2016 at 12:26:19 PM EDT

> To: "Joffe, Rodney" <Rodney.Joffe@neustar.biz>, Contracts <Contracts@neustar.biz>

> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Attached is the partially executed NDA for The Board of Regents of University System of Georgia, by and behalf of Georgia Institute of Tehnology. Once it has been countersigned, please forward a fully executed copy to Contracts for our files.

>

> Thanks,

> Samantha

> -----Original Message-----

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Wednesday, September 07, 2016 9:01 PM

> To: Contracts <Contracts@neustar.biz>

> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Over to you to execute.

>

> Thanks

> Rodney

>

>

>

> Begin forwarded message:

>

> From: "Noland, Yvonne" <yvonne.noland@legal.gatech.edu>

> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

> Date: September 7, 2016 at 10:41:46 AM EDT

> To: Rodney Joffe <rodney.joffe@neustar.biz>

> Cc: "Antonakakis, Emmanouil K" <manos@gatech.edu>, "Cameron, Yolonda L" <yolonda.cameron@legal.gatech.edu>

> Resent-From: <rodney.joffe@neustar.biz>

>

> Hi Rodney,

>

> Attached is a final document for signature, reflecting the change from 14 to 20 days in Section 3. Please return a signed copy to me at your earliest convenience. I will route for countersignature and return a fully executed copy to you.

>

> Thank you,

> Yvonne

>

> -----Original Message-----

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Wednesday, September 07, 2016 10:17 AM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>

> Subject: Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Hi Yvonne,

>

> OK on these points. Do you have a final for us to sign?

>

> On Sep 6, 2016, at 2:28 PM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:

>

> Hi Rodney,

>

> I've updated the effective date of the document and accepted all mutually agreed upon edits in the attached document.

>

> The GIT signatory will not agree to the requested revisions in Section 3. All information disclosed to GIT must be marked in accordance with the original language in Section 3, but we can agree to extend the 14-day period for non-written disclosures to 20 days.

>

> Sincerely,

>

> Yvonne Noland

> Legal Services Coordinator

> Georgia Institute of Technology

> Office of Legal Affairs

> Atlanta, GA 30332-0495

> Email: Yvonne.Noland@legal.gatech.edu

> Phone: 404-894-4812

> Fax: 404-894-3120

>

>

> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

>

>

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Tuesday, September 06, 2016 11:20 AM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Hi Yvonne,

>

> This is the correct email.

>

> Apparently all edits are OK except for the comments below. Could you please confirm?

>

> Thanks

> Rodney

> =====

> Rodney Joffe

> SVP, Senior Technologist, and Fellow

> Neustar, Inc. (NYSE:NSR)

> 1775 Pennsylvania Ave. NW

> Suite 400

> Washington DC 20006

> +1 202-533-2900 Direct

> +1 602-418-6471 Cell

>

>

>

>

>

> From: Contracts

> Sent: Tuesday, September 06, 2016 11:06 AM  
> To: Joffe, Rodney <Rodney.Joffe@neustar.biz>; Contracts <Contracts@neustar.biz>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
>  
> Hi Rodney,  
>  
> All the counter-edits are acceptable with the exception of the Confidential Information marking.  
>  
> Through discussions or written information disclosed, it would be somewhat difficult to have to “mark” all proprietary/confidential information as “Confidential”. In the event that there are times that such information is not marked or otherwise indicated verbally during ongoing communication, we want to ensure that, although not marked as “Confidential”, that it is protected under the NA,  
>  
> Samantha Ellis  
> NeuStar, Inc. | Contracts Manager  
> 571.434.3421  
>  
> From: Noland, Yvonne [mailto:yvonne.noland@legal.gatech.edu]  
> Sent: Tuesday, September 06, 2016 10:14 AM  
> To: Joffe, Rodney <Rodney.Joffe@neustar.biz>; Contracts <Contracts@neustar.biz>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
>  
> Good morning – please advise regarding the status of this matter at your earliest convenience. Thank you.  
>  
>  
> From: Noland, Yvonne  
> Sent: Thursday, August 04, 2016 12:38 PM  
> To: 'Rodney Joffe' <rodney.joffe@neustar.biz>; 'Contracts@neustar.biz' <Contracts@neustar.biz>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
>  
> Hi Rodney,  
>  
> Attached please find our additional comments and revisions for review by your legal department.  
>  
> Regards,  
>  
> Yvonne Noland  
> Legal Services Coordinator  
> Georgia Institute of Technology  
> Office of Legal Affairs  
> Atlanta, GA 30332-0495  
> Email: Yvonne.Noland@legal.gatech.edu  
> Phone: 404-894-4812  
> Fax: 404-894-3120  
>  
>  
> Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.  
>

>  
>  
>  
> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
> Sent: Wednesday, August 03, 2016 12:52 PM  
> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
>  
> Hello Yvonne,  
>  
>  
> Thanks... I am attaching a marked up version of the NDA from our legal group... Hopefully this is acceptable.  
>  
>  
> Regards  
> Rodney  
>  
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>  
>  
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> On Aug 3, 2016, at 7:30 AM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:  
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> Good morning,  
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> Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.  
>  
> As such, I have prepared and attached Georgia Tech's standard unilateral Proprietary Information Agreement for consideration by your contracts/legal department. If the document is satisfactory, please have it executed and return it to me. I will then have the document countersigned and return a copy to you for your files. If you would like to request any changes to the agreement, please utilize the "track changes" feature and return the edited version to me.  
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> Legal Services Coordinator  
> Georgia Institute of Technology  
> Office of Legal Affairs  
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> Email: Yvonne.Noland@legal.gatech.edu  
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>

> <Neustar Inc. (NDA-4406).docx>

> <Neustar Inc. - GT review 9-6-16 (NDA-4406).docx>

>

> <Neustar, Inc. (NDA-4406).pdf>



## Virgil, Franchesca

---

**From:** Rodney Joffe <rodney.joffe@neustar.biz>  
**Sent:** Wednesday, September 7, 2016 10:17 AM  
**To:** Noland, Yvonne  
**Cc:** Antonakakis, Emmanouil K; Cameron, Yolonda L  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Yvonne,

OK on these points. Do you have a final for us to sign?

> On Sep 6, 2016, at 2:28 PM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:

>

> Hi Rodney,

>

> I've updated the effective date of the document and accepted all mutually agreed upon edits in the attached document.

>

> The GIT signatory will not agree to the requested revisions in Section 3. All information disclosed to GIT must be marked in accordance with the original language in Section 3, but we can agree to extend the 14-day period for non-written disclosures to 20 days.

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> Sincerely,

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> Yvonne Noland

> Legal Services Coordinator

> Georgia Institute of Technology

> Office of Legal Affairs

> Atlanta, GA 30332-0495

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> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Tuesday, September 06, 2016 11:20 AM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Hi Yvonne,

>

> This is the correct email.

>

> Apparently all edits are OK except for the comments below. Could you please confirm?

>  
> Thanks  
> Rodney  
> =====  
> Rodney Joffe  
> SVP, Senior Technologist, and Fellow  
> Neustar, Inc. (NYSE:NSR)  
> 1775 Pennsylvania Ave. NW  
> Suite 400  
> Washington DC 20006  
> +1 202-533-2900 Direct  
> +1 602-418-6471 Cell  
>  
>  
>  
>  
>  
> From: Contracts  
> Sent: Tuesday, September 06, 2016 11:06 AM  
> To: Joffe, Rodney <Rodney.Joffe@neustar.biz>; Contracts <Contracts@neustar.biz>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
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> Samantha Ellis  
> NeuStar, Inc. | Contracts Manager  
> 571.434.3421  
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> From: Noland, Yvonne [mailto:yvonne.noland@legal.gatech.edu]  
> Sent: Tuesday, September 06, 2016 10:14 AM  
> To: Joffe, Rodney <Rodney.Joffe@neustar.biz>; Contracts <Contracts@neustar.biz>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
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> From: Noland, Yvonne  
> Sent: Thursday, August 04, 2016 12:38 PM  
> To: 'Rodney Joffe' <rodney.joffe@neustar.biz>; 'Contracts@neustar.biz' <Contracts@neustar.biz>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
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> Hi Rodney,  
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> Attached please find our additional comments and revisions for review by your legal department.

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> Regards,

>

> Yvonne Noland

> Legal Services Coordinator

> Georgia Institute of Technology

> Office of Legal Affairs

> Atlanta, GA 30332-0495

> Email: Yvonne.Noland@legal.gatech.edu

> Phone: 404-894-4812

> Fax: 404-894-3120

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>

>

>

> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Wednesday, August 03, 2016 12:52 PM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>

> Subject: Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

>

> Hello Yvonne,

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> Thanks... I am attaching a marked up version of the NDA from our legal group... Hopefully this is acceptable.

>

>

> Regards

> Rodney

>

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>

> On Aug 3, 2016, at 7:30 AM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:

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>

> <Neustar Inc. (NDA-4406).docx>

> <Neustar Inc. - GT review 9-6-16 (NDA-4406).docx>

## Virgil, Franchesca

---

**From:** Rodney Joffe <rodney.joffe@neustar.biz>  
**Sent:** Tuesday, September 6, 2016 10:25 AM  
**To:** Noland, Yvonne  
**Cc:** Contracts; Antonakakis, Emmanouil K; Cameron, Yolonda L  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Yvonne,

I am banging on our legal front door now. Sorry for the lack of response. :-(

> On Sep 6, 2016, at 10:14 AM, Noland, Yvonne <yvonne.noland@legal.gatech.edu> wrote:

>

> Good morning – please advise regarding the status of this matter at your earliest convenience. Thank you.

>

>

> From: Noland, Yvonne

> Sent: Thursday, August 04, 2016 12:38 PM

> To: 'Rodney Joffe' <rodney.joffe@neustar.biz>; 'Contracts@neustar.biz' <Contracts@neustar.biz>

> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>

> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

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> Georgia Institute of Technology

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> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]

> Sent: Wednesday, August 03, 2016 12:52 PM

> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>

> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
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> Rodney  
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> Legal Services Coordinator  
> Georgia Institute of Technology  
> Office of Legal Affairs  
> Atlanta, GA 30332-0495  
> Email: Yvonne.Noland@legal.gatech.edu  
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> <Neustar Inc. (NDA-4406).docx>  
> <Neustar Inc. - GT review 8-4-16 (NDA-4406).docx>



## Virgil, Franchesca

---

**From:** Rodney Joffe <rodney.joffe@neustar.biz>  
**Sent:** Wednesday, August 3, 2016 12:52 PM  
**To:** Noland, Yvonne  
**Cc:** Antonakakis, Emmanouil K; Cameron, Yolonda L  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hello Yvonne,

Thanks... I am attaching a marked up version of the NDA from our legal group... Hopefully this is acceptable.

Regards  
Rodney



On Aug 3, 2016, at 7:30 AM, Noland, Yvonne <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)> wrote:

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**Yvonne Noland**

Legal Services Coordinator  
Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)  
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<Neustar Inc. (NDA-4406).docx>

## Virgil, Franchesca

---

**From:** Noland, Yvonne  
**Sent:** Wednesday, September 7, 2016 10:42 AM  
**To:** Rodney Joffe  
**Cc:** Antonakakis, Emmanouil K; Cameron, Yolonda L  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
**Attachments:** Neustar Inc. - final for signature (NDA-4406).pdf

Hi Rodney,

Attached is a final document for signature, reflecting the change from 14 to 20 days in Section 3. Please return a signed copy to me at your earliest convenience. I will route for countersignature and return a fully executed copy to you.

Thank you,  
Yvonne

-----Original Message-----

From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
Sent: Wednesday, September 07, 2016 10:17 AM  
To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
Subject: Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Yvonne,

OK on these points. Do you have a final for us to sign?

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> Hi Rodney,

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> Yvonne Noland

> Legal Services Coordinator

> Georgia Institute of Technology

> Office of Legal Affairs

> Atlanta, GA 30332-0495

> Email: Yvonne.Noland@legal.gatech.edu

> Phone: 404-894-4812

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>  
> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
> Sent: Tuesday, September 06, 2016 11:20 AM  
> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
> Subject: Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
>  
> Hi Yvonne,  
>  
> This is the correct email.  
>  
> Apparently all edits are OK except for the comments below. Could you please confirm?  
>  
> Thanks  
> Rodney  
> =====  
> Rodney Joffe  
> SVP, Senior Technologist, and Fellow  
> Neustar, Inc. (NYSE:NSR)  
> 1775 Pennsylvania Ave. NW  
> Suite 400  
> Washington DC 20006  
> +1 202-533-2900 Direct  
> +1 602-418-6471 Cell  
>  
>  
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>  
>  
> From: Contracts  
> Sent: Tuesday, September 06, 2016 11:06 AM  
> To: Joffe, Rodney <Rodney.Joffe@neustar.biz>; Contracts <Contracts@neustar.biz>  
> Subject: RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
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> Samantha Ellis  
> NeuStar, Inc. | Contracts Manager  
> 571.434.3421  
>  
> From: Noland, Yvonne [mailto:yvonne.noland@legal.gatech.edu]

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> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
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> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
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> From: Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
> Sent: Wednesday, August 03, 2016 12:52 PM  
> To: Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
> Cc: Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
> Subject: Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

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>  
> <Neustar Inc. (NDA-4406).docx>  
> <Neustar Inc. - GT review 9-6-16 (NDA-4406).docx>

## Virgil, Franchesca

---

**From:** Noland, Yvonne  
**Sent:** Wednesday, August 3, 2016 1:16 PM  
**To:** Rodney Joffe  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Worked that time – thank you very much

---

**From:** Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
**Sent:** Wednesday, August 03, 2016 1:13 PM  
**To:** Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
**Subject:** Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Yvonne,  
Does this work?

The email below also includes our legal group contract info.

Thanks  
Rodney

Begin forwarded message:

**From:** Contracts <[Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Date:** August 3, 2016 at 9:38:02 AM PDT  
**To:** "Joffe, Rodney" <[Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>  
**Cc:** "Konde, Alex" <[alex.konde@neustar.biz](mailto:alex.konde@neustar.biz)>, Contracts <[Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Rodney,

Legal has reviewed the attached and have made a few edits. Please let me know if you have any questions or concerns.

Regards,  
Samantha

**Samantha Ellis**  
NeuStar, Inc. | Contracts Manager  
571.434.3421

---

**Resent-From:** <[rodney.joffe@neustar.biz](mailto:rodney.joffe@neustar.biz)>  
**From:** "Noland, Yvonne" <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)>  
**Date:** August 3, 2016 at 7:30:34 AM PDT  
**To:** "[Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)" <[Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>  
**Cc:** "Antonakakis, Emmanouil K" <[manos@gatech.edu](mailto:manos@gatech.edu)>, "Cameron, Yolonda L"

[<yolonda.cameron@legal.gatech.edu>](mailto:yolonda.cameron@legal.gatech.edu)

**Subject: PIA - Neustar Inc./Georgia Tech (NDA-4406)**

Good morning,

Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

As such, I have prepared and attached Georgia Tech's standard unilateral Proprietary Information Agreement for consideration by your contracts/legal department. If the document is satisfactory, please have it executed and return it to me. I will then have the document countersigned and return a copy to you for your files. If you would like to request any changes to the agreement, please utilize the "track changes" feature and return the edited version to me.

Sincerely,

**Yvonne Noland**

Legal Services Coordinator  
Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)  
Phone: 404-894-4812  
Fax: 404-894-3120

Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

## Virgil, Franchesca

---

**From:** Noland, Yvonne  
**Sent:** Wednesday, August 3, 2016 1:08 PM  
**To:** Rodney Joffe  
**Cc:** Antonakakis, Emmanouil K; Cameron, Yolonda L  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Rodney,

I'm afraid I'm unable to open the attachment to your email. Could you please resend at your earliest convenience?

Thank you,

### Yvonne Noland

Legal Services Coordinator  
Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)  
Phone: 404-894-4812  
Fax: 404-894-3120

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---

**From:** Rodney Joffe [mailto:[rodney.joffe@neustar.biz](mailto:rodney.joffe@neustar.biz)]  
**Sent:** Wednesday, August 03, 2016 12:52 PM  
**To:** Noland, Yvonne <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)>  
**Cc:** Antonakakis, Emmanouil K <[manos@gatech.edu](mailto:manos@gatech.edu)>; Cameron, Yolonda L <[yolonda.cameron@legal.gatech.edu](mailto:yolonda.cameron@legal.gatech.edu)>  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hello Yvonne,

Thanks... I am attaching a marked up version of the NDA from our legal group... Hopefully this is acceptable.

Regards  
Rodney



On Aug 3, 2016, at 7:30 AM, Noland, Yvonne <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)> wrote:



Good morning,

Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

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**Yvonne Noland**

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Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)  
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<Neustar Inc. (NDA-4406).docx>

## Virgil, Franchesca

---

**From:** Noland, Yvonne  
**Sent:** Tuesday, September 6, 2016 10:14 AM  
**To:** Rodney Joffe; Contracts@neustar.biz  
**Cc:** Antonakakis, Emmanouil K; Cameron, Yolonda L  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
**Attachments:** Neustar Inc. - GT review 8-4-16 (NDA-4406).docx

Good morning – please advise regarding the status of this matter at your earliest convenience. Thank you.

---

**From:** Noland, Yvonne  
**Sent:** Thursday, August 04, 2016 12:38 PM  
**To:** 'Rodney Joffe' <rodney.joffe@neustar.biz>; 'Contracts@neustar.biz' <Contracts@neustar.biz>  
**Cc:** Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Rodney,

Attached please find our additional comments and revisions for review by your legal department.

Regards,

**Yvonne Noland**

Legal Services Coordinator  
Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)  
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Fax: 404-894-3120

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---

**From:** Rodney Joffe [<mailto:rodney.joffe@neustar.biz>]  
**Sent:** Wednesday, August 03, 2016 12:52 PM  
**To:** Noland, Yvonne <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)>  
**Cc:** Antonakakis, Emmanouil K <[manos@gatech.edu](mailto:manos@gatech.edu)>; Cameron, Yolonda L <[yolonda.cameron@legal.gatech.edu](mailto:yolonda.cameron@legal.gatech.edu)>  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hello Yvonne,

Thanks... I am attaching a marked up version of the NDA from our legal group... Hopefully this is acceptable.

Regards  
Rodney



On Aug 3, 2016, at 7:30 AM, Noland, Yvonne <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)> wrote:

Good morning,

Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

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Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
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<Neustar Inc. (NDA-4406).docx>

## Virgil, Franchesca

---

**From:** Noland, Yvonne  
**Sent:** Thursday, August 4, 2016 12:38 PM  
**To:** Rodney Joffe; Contracts@neustar.biz  
**Cc:** Antonakakis, Emmanouil K; Cameron, Yolonda L  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
**Attachments:** Neustar Inc. - GT review 8-4-16 (NDA-4406).docx

Hi Rodney,

Attached please find our additional comments and revisions for review by your legal department.

Regards,

### Yvonne Noland

Legal Services Coordinator  
Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
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---

**From:** Rodney Joffe [mailto:rodney.joffe@neustar.biz]  
**Sent:** Wednesday, August 03, 2016 12:52 PM  
**To:** Noland, Yvonne <yvonne.noland@legal.gatech.edu>  
**Cc:** Antonakakis, Emmanouil K <manos@gatech.edu>; Cameron, Yolonda L <yolonda.cameron@legal.gatech.edu>  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hello Yvonne,

Thanks... I am attaching a marked up version of the NDA from our legal group... Hopefully this is acceptable.

Regards  
Rodney



On Aug 3, 2016, at 7:30 AM, Noland, Yvonne <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)> wrote:

Good morning,

Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

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<Neustar Inc. (NDA-4406).docx>

## Virgil, Franchesca

---

**From:** baseball-bounces@centergate.com on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Friday, August 25, 2017 11:04 AM  
**To:** Allison Mankin  
**Cc:** baseball@centergate.com  
**Subject:** Re: [DNS Inside Baseball 2017] REMINDER - TODAY Re: RESPONSE TO DOODLE NEEDED: Inside Baseball

Guys,

I did not want to say anything during the original planning that might sway selections...

Unfortunately I am not going to be able to come to SF at all... So you'll have to do without me #feature ...

See you next time.

Regards  
Rodney

> On Aug 25, 2017, at 10:51 AM, Allison Mankin <amankin@salesforce.com> wrote:

>

> Only 15 have signed up for Inside Baseball. Respond to the Doodle today yes/no so we can move on with arrangements.

>

>

> On Wed, Aug 23, 2017 at 4:47 PM, Allison Mankin <amankin@salesforce.com> wrote:

> As folks have heard already, we at Salesforce will host Inside Baseball in San Francisco September 27 and 28th. We need some info from folks about your intentions to attend.

>

> Please go to the Doodle Poll and indicate attendance for the baseball game and the meeting (just put N or Y in each of the columns).

>

>

> <https://beta.doodle.com/poll/bi9r3fsgs9fgyb8y9>

>

>

>

> More info about the game:

>

> Once we know the amount of interest, we'll confirm. Those who want a ride back and forth will meet at Salesforce, and we'll have a Chariot for the group.

>

> The game is the afternoon of September 27: the Oakland A's are

> playing at the Coliseum against the Mariners, at 12:35 PM PDT.

>

> Thanks,

>

> Allison

>

>

## Virgil, Franchesca

---

**From:** baseball-bounces@centergate.com on behalf of Allison Mankin <amankin@salesforce.com>  
**Sent:** Thursday, July 27, 2017 10:09 PM  
**To:** Rodney Joffe  
**Cc:** baseball@centergate.com; Allison Mankin  
**Subject:** Re: [DNS Inside Baseball 2017] September/October Inside baseball 2017-Fall

Rodney,

I'll get a confirmation asap.

Allison

Sent from my iPhone

> On Jul 27, 2017, at 17:48, Rodney Joffe <rjoffe@centergate.com> wrote:

>  
> OK. The nation has spoken.  
>  
> Wednesday and Thursday before OARC.  
>  
> Allison, can you please confirm in the next couple of days that you're able to host?  
>  
> If not, we'll host at our SF office...  
>  
> Next is a preliminary agenda...

>> On Jul 27, 2017, at 10:40 AM, Dave Knight <dave@shl.io> wrote:

>>  
>>  
>>> On Jul 22, 2017, at 4:42 PM, Rodney Joffe <rjoffe@centergate.com> wrote:  
>>>  
>>> Hi Guys,  
>>>  
>>> Schedules are starting to harden. We had all talked about the next IB, and scheduling it before NANOG71/OARC.  
>>>  
>>> As a reminder, NANOG is Oct 2 (Monday) through Oct 4 (Wednesday) at the Fairmont in San Jose.  
>>> OARC seems to be September 29 (Friday) and September 30 (Saturday) also at the Fairmont in San Jose.  
>>>  
>>> So Saturday night/Sunday/Sunday seem to be available if you want to minimize the time in the Bay Area, or Wednesday/Thursday, which means a week in San Jose, Wednesday through Wednesday, over a weekend.  
>>>  
>>> Allison has indicated that Salesforce may be able to host IB, in San Francisco, rather than San Jose.  
>>>  
>>> Can we start a discussion here now, on logistics? It seems that we have to decide if we want 2 days (meaning Wednesday and Thursday) or one day (Thursday or Sunday). And whether San Francisco for one day and OARC and NANOG in San Jose works  
>>>  
>>> The floor is open :-)



>>  
>>  
>> We're seeing a strong preference for the two days immediately prior to OARC, further strengthened by the fact that our potential hosts are less able to do two days afterward.  
>>  
>> <PastedGraphic-1.png>  
>>  
>>  
>> dave  
>

## Virgil, Franchesca

---

**From:** baseball-bounces@centergate.com on behalf of Dave Knight <dave@shl.io>  
**Sent:** Thursday, July 27, 2017 10:40 AM  
**To:** Rodney Joffe  
**Cc:** baseball@centergate.com  
**Subject:** Re: [DNS Inside Baseball 2017] September/October Inside baseball 2017-Fall

On Jul 22, 2017, at 4:42 PM, Rodney Joffe <[rjoffe@centergate.com](mailto:rjoffe@centergate.com)> wrote:

Hi Guys,

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The floor is open :-)

We're seeing a strong preference for the two days immediately prior to OARC, further strengthened by the fact that our potential hosts are less able to do two days afterward.

19 participants	September 2017				October 2017					
	Wed 27	Thu 28	Fri 29	Sat 30	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6
Dave Knight	✓	✓			✓	✓	⊘	⊘	⊘	⊘
Matt Larson	✓	✓			⊘	⊘	⊘			
Robert Edmonds	✓	✓			⊘	⊘	⊘			
Sean leach	✓	✓					✓	✓	✓	
Rodney Joffe	✓	✓			✓				✓	✓
Joao Damas	✓	✓			⊘					
Chris Baker	✓	✓			✓					
Matt Weinberg	✓	✓			✓	✓	✓	✓		
Roy Arends	✓	✓			✓	✓				
Chris Roosenraad	✓	✓								
tale					✓	✓	✓	✓		
Keith Mitchell	✓	⊘			✓	⊘	⊘	✓	✓	⊘
Tim Wicinski	✓	✓			⊘	⊘	⊘			
Dave Blacka	⊘	✓			✓	✓	✓	✓		
Cricket Liu	✓	✓				✓	✓	✓	✓	✓
Allison Mankin	✓	✓			✓					
Olafur Gudmundsso	✓	✓			⊘	⊘				
Casey Deccio	✓	✓				✓	✓			
Steve DeJong	✓	✓			⊘	✓	✓			
<input type="text" value="Your name"/>	Yes (Yes) No	Yes (Yes) No	Yes (Yes) No	Yes (Yes) No	Yes (Yes) No	Yes (Yes) No	Yes (Yes) No	Yes (Yes) No	Yes (Yes) No	Yes (Yes) No
	Wed 27	Thu 28	Fri 29	Sat 30	Sun 1	Mon 2	Tue 3	Wed 4	Thu 5	Fri 6
	September 2017				October 2017					
Yes	17	17	0	0	9	8	7	6	4	2
Ifneedbe	1	1	0	0	6	5	5	1	1	2
No	1	1	19	19	4	6	7	12	14	15

dave

## Virgil, Franchesca

---

**From:** baseball-bounces@centergate.com on behalf of Robert Edmonds <redmonds@fastly.com>  
**Sent:** Sunday, July 23, 2017 12:01 PM  
**To:** Rodney Joffe; baseball@centergate.com  
**Subject:** Re: [DNS Inside Baseball 2017] September/October Inside baseball 2017-Fall

Hi,

If it's held in San Francisco, my preference would be to fly into SFO, hold IB in San Francisco on Wed/Thu, then take the Caltrain "Baby Bullet" to San Jose on Thursday evening, attend OARC Friday/Saturday, and fly out of SJC on Sunday. (I'm not attending NANOG.)

On Sat, Jul 22, 2017 at 4:43 PM Rodney Joffe <[rjoffe@centergate.com](mailto:rjoffe@centergate.com)> wrote:

Hi Guys,

Schedules are starting to harden. We had all talked about the next IB, and scheduling it before NANOG71/OARC.

As a reminder, NANOG is Oct 2 (Monday) through Oct 4 (Wednesday) at the Fairmont in San Jose. OARC seems to be September 29 (Friday) and September 30 (Saturday) also at the Fairmont in San Jose.

So Saturday night/Sunday/Sunday seem to be available if you want to minimize the time in the Bay Area, or Wednesday/Thursday, which means a week in San Jose, Wednesday through Wednesday, over a weekend.

Allison has indicated that Salesforce may be able to host IB, in San Francisco, rather than San Jose.

Can we start a discussion here now, on logistics? It seems that we have to decide if we want 2 days (meaning Wednesday and Thursday) or one day (Thursday or Sunday). And whether San Francisco for one day and OARC and NANOG in San Jose works

The floor is open :-)

Begin forwarded message:

**From:** Denesh Bhabuta - OARC <[denesh@dns-oarc.net](mailto:denesh@dns-oarc.net)>  
**Subject:** [dns-operations] OARC 27 Accommodation - Very limited availability  
**Date:** July 22, 2017 at 1:19:24 PM EDT  
**To:** [dns-operations@dns-oarc.net](mailto:dns-operations@dns-oarc.net)

Dear colleagues

The OARC 27 accommodation block is in the Fairmont San Jose - the workshop venue itself.

We have once again been working with NANOG (as we are co-locating with NANOG 71) and the booking link is now live at:

<http://www.cvent.com/events/nanog-71/custom-36-4f71b2f3181e49c1ab199f5d5d405bb8.aspx>

There is extremely limited availability of rooms as there are other events taking place across the city during that time and the hotel have informed us no additional rooms will be released. Once the room allocations are exhausted there will be no further rooms available at the hotel.

I, thus, strongly suggest you book your accommodation sooner rather than later (as it is a NANOG block, the rooms are likely to be snapped up very quickly by NANOG only attendees too).

Room rates are from US\$249 + taxes for single and double occupancy.

We will assess the shortfall in number of rooms, so please do contact me and let me know if rooms are no longer available for the OARC 27 dates when you try and book.

Regards  
Denesh

---

dns-operations mailing list

[dns-operations@lists.dns-oarc.net](mailto:dns-operations@lists.dns-oarc.net)

<https://lists.dns-oarc.net/mailman/listinfo/dns-operations>

dns-operations mailing list

<https://lists.dns-oarc.net/mailman/listinfo/dns-operations>



**Robert Edmonds** | Senior Software Engineer  
[fastly.com](https://fastly.com) | [@fastly](#) | [LinkedIn](#)

## Virgil, Franchesca

---

**From:** baseball-bounces@centergate.com on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, August 9, 2017 9:08 PM  
**To:** Allison Mankin  
**Cc:** baseball@centergate.com; Allison Mankin  
**Subject:** Re: [DNS Inside Baseball 2017] September/October Inside baseball 2017-Fall

Hi Allison,  
> On Jul 27, 2017, at 10:09 PM, Allison Mankin <amankin@salesforce.com> wrote:  
>  
> Rodney,  
>  
> I'll get a confirmation asap.

Any update? We have to make decisions ;-)

Thanks  
Rodney

>  
> Allison  
>  
> Sent from my iPhone  
>  
>> On Jul 27, 2017, at 17:48, Rodney Joffe <rjoffe@centergate.com> wrote:  
>>  
>> OK. The nation has spoken.  
>>  
>> Wednesday and Thursday before OARC.  
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>>> We're seeing a strong preference for the two days immediately prior to OARC, further strengthened by the fact that our potential hosts are less able to do two days afterward.

>>>

>>> <PastedGraphic-1.png>

>>>

>>>

>>> dave

>>

## Virgil, Franchesca

---

**From:** baseball-bounces@centergate.com on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, March 20, 2019 6:24 PM  
**To:** Wessels, Duane  
**Cc:** baseball@centergate.com  
**Subject:** Re: [DNS Inside Baseball] InsideBaseball 2019

Count me and Team UltraDNS in. Steve will do a better job of identifying who that is, besides him and me.

Thanks Duane/VRSN!!

> On Mar 20, 2019, at 6:21 PM, Allison Mankin <amankin@salesforce.com> wrote:

>

> Count me and team Salesforce in

>

> On Wed, Mar 20, 2019 at 3:19 PM Wessels, Duane <dwessels@verisign.com> wrote:

>

>

>> On Mar 19, 2019, at 7:40 PM, DeJong, Steve <Steve.DeJong@team.neustar> wrote:

>>

>> Greetings,

>>

>> Several people have asked about an InsideBaseball meet up this year and now there is an update to share. For this year Duane Wessels and Verisign have offered to host and schedule a get together.

>>

>> The current thinking is to plan some time around the NANOG 76 conference which is scheduled for June 9-12 in Washington DC with further details to come from the Verisign group as plans develop. Thanks to Duane and Verisign for organizing this year.

>

>

> Thanks Steve!

>

> Yes Verisign would very much like to host a DNS Inside Baseball event this year. As Steve mentioned, with NANOG closing on June 12, this is sort of what we are thinking:

>

> - DNS Inside Baseball meeting the morning & afternoon of June 13

> - Location: DC area, close to the NANOG venue.

> - The Washington Nationals have a home game June 13 at 7PM

> - We're exploring renting out a suite at the stadium for up to 30 people.

> - For anyone not really into watching the game of baseball, the suite should have room to just sit and chat.

>

>

> I'm interested to hear from folks willing to tentatively attend. If we can get enough momentum then I can proceed with making the arrangements.

>

> DW

>



## Virgil, Franchesca

---

**From:** baseball-bounces@centergate.com on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, March 20, 2019 6:30 PM  
**To:** Wessels, Duane  
**Cc:** baseball@centergate.com  
**Subject:** Re: [DNS Inside Baseball] InsideBaseball 2019

On Mar 20, 2019, at 6:24 PM, Steve Crocker <[steve@shinkuro.com](mailto:steve@shinkuro.com)> wrote:

I can probably attend.

Cool!

Duane, do you have a balcony for Steve and Rodney?



## Virgil, Franchesca

---

**From:** baseball-bounces@centergate.com on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, March 27, 2019 8:10 AM  
**To:** Rob Seastrom  
**Cc:** baseball@centergate.com  
**Subject:** Re: [DNS Inside Baseball] participant list

I think it's Steve DeJong who manages it now. He is on Pacific time.

On Mar 27, 2019, at 8:07 AM, Rob Seastrom <[rs@seastrom.com](mailto:rs@seastrom.com)> wrote:

I think I was on it from my Neustar laptop. Who's the person to talk to for invites?

-r

Sent from my iPad

On Mar 27, 2019, at 07:09, Matthew Pounsett <[matt@conundrum.com](mailto:matt@conundrum.com)> wrote:

On Wed, 27 Mar 2019 at 10:36, Wessels, Duane <[dwessels@verisign.com](mailto:dwessels@verisign.com)> wrote:

Also, note that there is a slack channel that was getting some use for a while but has been very quiet recently.

This seems relevant to my interests. :)

## Virgil, Franchesca

---

**From:** ARIN-discuss <arin-discuss-bounces@arin.net> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Monday, October 15, 2018 12:49 PM  
**To:** Paul Fleming  
**Cc:** arin-discuss@arin.net  
**Subject:** Re: [arin-discuss] ARIN Election SPAM  
**Attachments:** ATT00001.txt

Hey. You subscribed yourself. But you seem oblivious to what you subscribed to, you don't read the adminstravia sent to you when you did subscribe that told you how to unsubscribe, you've ignored the multiple posts that have spelled it out for the slow learners like you and you've finally failed to look at the footer of every email where it gets spelled out.

So, no. Go put your big boy pants on, and go unsubscribe yourself.

Say, you're not related to Jim Fleming, are you

On Oct 15, 2018, at 11:25 AM, Paul Fleming <[paul@wecominc.com](mailto:paul@wecominc.com)> wrote:

Unsubscribe me please

--

Paul L. Fleming | Wecom, Inc. and Data-Max Wireless | COO & Vice President  
Office: 928.753.3829 | Direct: 928.377.5073 | Fax: 928.753.5991  
trust your network | [wecominc.com](http://wecominc.com) / [datamaxwireless.com](http://datamaxwireless.com)  
<image001.png>

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**From:** ARIN-discuss <[arin-discuss-bounces@arin.net](mailto:arin-discuss-bounces@arin.net)> on behalf of Josh Luthman <[josh@imagine-networksllc.com](mailto:josh@imagine-networksllc.com)>  
**Date:** Monday, October 15, 2018 at 8:51 AM  
**To:** Michael Zindel <[michael.zindel@libertybroadband.site](mailto:michael.zindel@libertybroadband.site)>  
**Cc:** "arin-discuss@arin.net" <[arin-discuss@arin.net](mailto:arin-discuss@arin.net)>  
**Subject:** Re: [arin-discuss] ARIN Election SPAM

The first issue was being solicited for votes.

The second real issue is the 50+ posts about the first non issue. This is what's annoying to me and many others in this list/thread.

Josh Luthman  
Office: 937-552-2340  
Direct: 937-552-2343  
1100 Wayne St  
Suite 1337  
Troy, OH 45373

On Mon, Oct 15, 2018, 11:42 AM Michael Zindel <[michael.zindel@libertybroadband.site](mailto:michael.zindel@libertybroadband.site)> wrote:

I'm puzzled by how many people aren't interested in the goings-on of ARIN and refer to it as spam.

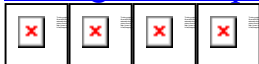
On Mon, Oct 15, 2018 at 6:35 AM Mike Hammett <[mike.hammett@ics-il.com](mailto:mike.hammett@ics-il.com)> wrote:

You're not. It's a figment of your imagination.

-----

Mike Hammett

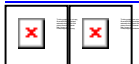
[Intelligent Computing Solutions](#)



[Midwest Internet Exchange](#)



[The Brothers WISP](#)



---

**From:** "John Ajarapu" <[John.Ajarapu@ironmountain.com](mailto:John.Ajarapu@ironmountain.com)>

**To:** "Martin Hannigan" <[REDACTED]>

**Cc:** [arin-discuss@arin.net](mailto:arin-discuss@arin.net)

**Sent:** Monday, October 15, 2018 5:11:11 AM

**Subject:** Re: [arin-discuss] ARIN Election SPAM

Why am I getting these SPAM????

Sent from my iPhone

On Oct 15, 2018, at 4:41 AM, Martin Hannigan <[REDACTED]> wrote:

Note: Apologies if anyone doesn't want to discuss this on arin-discuss. I always assumed this list was intended for relevant discussions about ARIN with "PPML" being for policy discussions. As Rodney Joffe pointed out, there is a URL to a working unsubscribe function at the bottom of all ARIN lists AFAIK if this is problematic for anyone. The list is also tagged in the subject. It is quite easy to filter for later reading comfort. It is a nice way to approach any mailbox organization.

While I have preferences for voting as an impact to the policy aspect and overall public interest in ARIN, I am not a DMR. My voting views are not relevant to the issue at hand. If there is one. Did I receive actual

unsolicited commercial email "UCE"? I don't have a direct relationship with the sender. They weren't asking me for money or selling me anything other than themselves. On one hand, someone running for election seems to have a right per VA corporate law to access information identifying voters. On the other, I am not the DMR for any company at the moment. I don't speak for one either. My interest is solely as an internet citizen. Seems like a grey area with ARIN being between the rock and the hard place more than anything.

\While in the era of Green Card Lawyers this would have been horrific, today it is not. It is 2018. I don't like spam in the traditional sense, but I am over it in the general sense. Spam filters, both automated and personally configured do well enough. Spam is never going away as long as there is anyone alive willing to send money to \$scammer. I'll leave it to the pros and each individual as to what they think it is. For me, this isn't a really a debate about spam. However, I do think there is an issue for ARIN to consider for next time. Is email considered PII? What affect, if any, does that have on the required disclosure?

<https://nvlpubs.nist.gov/nistpubs/Legacy/SP/nistspecialpublication800-122.pdf>

<https://www.dol.gov/general/ppii>

I doubt that my information was shared by ARIN, but it is possible. If it were, I'd be surprised as only DMRs have votes and while others may be listed in the ARIN database, they may not be entirely relevant to the statute. So was it spam? I don't know, but I'm not putting any more cycles into thinking about it.

Food for thought. For next time. \$0.02

Best Regards,

-M<

On Sun, Oct 14, 2018 at 8:37 PM Arik Next

<[arik@nextcommunications.com](mailto:arik@nextcommunications.com)> wrote:

Right who do you want us to vote for ? All that emails and at the end the candidate remain unknown ? This is really disturbing.

Sent from my iPhone

On Oct 14, 2018, at 5:32 PM, Martin Hannigan <[REDACTED]> wrote:

For me, it was Peter Harrison.

Best,

-M<

On Wed, Oct 10, 2018 at 17:54 Bill Woodcock  
<[woody@pch.net](mailto:woody@pch.net)> wrote:

On Oct 10, 2018 17:33, Clayton Zekelman  
<[clayton@MNSi.Net](mailto:clayton@MNSi.Net)> wrote:

> I'm not sure if this is the place to bring it up, but did  
anyone else  
> receive unsolicited e-mail from someone running for an  
ARIN board  
> position this week?  
> It appears that they harvested my e-mail address from  
my POC record.

Well, this seems like as good a place as any to bring it  
up.

You may as well say which candidate it was from.

-Bill

---

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Please contact [info@arin.net](mailto:info@arin.net) if you experience any  
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Please contact [info@arin.net](mailto:info@arin.net) if you experience any issues.

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Michael Zindel // CEO | Liberty Broadband

O: 385.626.0096 | E: [michael.zindel@libertybroadband.site](mailto:michael.zindel@libertybroadband.site)

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Please contact [info@arin.net](mailto:info@arin.net) if you experience any issues.



## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Saturday, September 2, 2017 11:45 AM  
**To:** Antonakakis, Manos  
**Subject:** Re: [EXTERNAL] Changes in my team

Fuck

We should talk.

> On Sep 2, 2017, at 11:44 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Folks,

>

> This is a heads up on an upcoming change in my team. Yacin will be leaving to go and work in the industry (I suspect Google or Facebook). Sadly, I cannot compete with industry level salaries, as you can imagine.

>

> That being said, I am bringing on a very trusted, very talented and very senior person that was working under me back in my Damballa days. When he accepts the offer and gives his two week notice, I will announce his name to you. He will be your POC for the next n-years of our DOD projects.

>

> For now, please inform your teams that for any issue at all you can contact me, Dave or my senior sysadmin, William (cced).

>

> Nothing really changes, this is just a heads up.

>

> Cheers,

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Saturday, September 2, 2017 11:51 AM  
**To:** Rodney Joffe  
**Subject:** Re: [EXTERNAL] Changes in my team

Everything under control, Rodney. Nothing to worry about.

He wants a way higher salary, now. I sadly cannot give him that. He will find it in industry.

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Saturday, September 2, 2017 11:45:20 AM  
To: Antonakakis, Manos  
Subject: Re: [EXTERNAL] Changes in my team

Fuck

We should talk.

> On Sep 2, 2017, at 11:44 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

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>

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>

> For now, please inform your teams that for any issue at all you can contact me, Dave or my senior sysadmin, William (cced).

>

> Nothing really changes, this is just a heads up.

>

> Cheers,

>

> —

> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>



## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Saturday, September 2, 2017 11:58 AM  
**To:** Antonakakis, Manos  
**Subject:** Re: [EXTERNAL] Changes in my team

Maybe I could have paid it?

> On Sep 2, 2017, at 11:51 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Everything under control, Rodney. Nothing to worry about.  
>  
> He wants a way higher salary, now. I sadly cannot give him that. He will find it in industry.

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Rodney Joffe <rjoffe@centergate.com>  
> Sent: Saturday, September 2, 2017 11:45:20 AM  
> To: Antonakakis, Manos  
> Subject: Re: [EXTERNAL] Changes in my team

>  
> Fuck  
>  
> We should talk.

>  
>> On Sep 2, 2017, at 11:44 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

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>> Folks,  
>>  
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>>  
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>>  
>> For now, please inform your teams that for any issue at all you can contact me, Dave or my senior sysadmin, William (cced).

>>  
>> Nothing really changes, this is just a heads up.

>>  
>> Cheers,  
>>  
>> —

>> Manos Antonakakis | manos@gatech.edu  
>> Georgia Institute of Technology  
>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>>  
>

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Monday, November 13, 2017 7:27 AM  
**To:** Joffe, Rodney; Rodney Joffe  
**Subject:** Fw: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017  
**Attachments:** DARPA104.pdf; DARPA60.pdf

Rodney, please note the new registration process you have to go through in order to attend the meeting. Let me know if you want to be there.

Cheers,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Monday, November 13, 2017 7:25 AM  
To: fabian@cs.unc.edu; [REDACTED]; Farrell, Michael D; Demar, Jeremy; perdisci@cs.uga.edu; Ahamad, Mustaque; Blough, Douglas M  
Subject: Fw: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017

Folks, please see inline -- the registration process has changed. Let me know if you can make this meeting.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Sent: Thursday, November 9, 2017 1:18 PM  
To: Maddern, Thomas (contr-i2o); Patel, Tejas (contr-i2o)  
Cc: mikef@kududyn.com; Antonakakis, Manos; Robert Wright; Neil Costigan; Scott Tenaglia; Vince Urias; Stephen Schwab; Ben Radford  
Subject: EA PI Meeting: 1 December 2017 (Friday) at the DCC --- Response needed by COB on 27 November 2017

All:

The registration process for this PI meeting will be different from previous ones. Rather than going through a registration website, we're requesting that each PI respond to Tom Maddern (thomas.maddern.ctr@darpa.mil) with the names, organizations, and countries of citizenship for each of your team members planning on attending. Please provide this information by COB Monday, November 27th.

Each individual attending will need to bring a completed DARPA Form 104 (attached) along with a government issued ID to the meeting. Non-US citizens will need to submit a DARPA Form 60 (attached) in advance.

Due to a recent DARPA policy change, we are no longer permitted to collect registration fees for covering expenses associated providing with food and beverages at PI meetings. Instead, as shown in the agenda, time will be allowed for lunch and other refreshments to be purchased individually at one of the many local restaurants near DARPA or in the café near the building lobby.

Any questions or concerns you may have about this meeting can be directed to both Tom and myself.

Regards,

Tejas Patel

Systems Engineering and Technical Assistance DARPA I2O

work: +1 571-218-4936

blackberry: +1 571-239-5912

NIPR: tejas.patel.ctr@darpa.mil

SIPR: tejas.patel.ctr@darpa.smil.mil

JWICS: tejas.patel.ctr@darpa.ic.gov

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Wednesday, November 8, 2017 2:54 PM  
**To:** Joffe, Rodney  
**Cc:** Rodney Joffe  
**Subject:** Fw: Notification HR001117S0051-HACCS-FP-029  
**Attachments:** Letter 029.pdf

Great news Rodney, we got the official notification that we won HACCS! Please relay the news internally to your team.

Cheers,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: HACCS <haccs@darpa.mil>  
Sent: Wednesday, November 8, 2017 12:31 PM  
To: Antonakakis, Manos; Farrell, Michael D  
Cc: HACCS  
Subject: Notification HR001117S0051-HACCS-FP-029

Dear Proposer,

Please see the attached file regarding your proposal submission (HR001117S0051-HACCS-FP-029) that was submitted to the Harnessing Autonomy for Countering Cyberadversary Systems (HACCS) solicitation.

Regards,

DARPA/I2O



## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Monday, September 17, 2018 5:01 AM  
**To:** Antonakakis, Manos  
**Subject:** Fwd: [cw general] Change of Affiliation

One of yours?

Useful?

Begin forwarded message:

**From:** Paul Pearce <[pearce@cs.berkeley.edu](mailto:pearce@cs.berkeley.edu)>  
**Subject:** [cw general] Change of Affiliation  
**Date:** September 15, 2018 at 3:04:12 PM EDT  
**To:** "~~~~ CrimeWare ~~~~" <[cw-general@ops-trust.net](mailto:cw-general@ops-trust.net)>

Hello all,

I recently completed my PhD at UC Berkeley and have joined Georgia Tech as a professor of computer science.

I plan to keep doing the same type of research (abuse, cybercrime, APTs, censorship) and hope re-connect with you all at future events!

Aside: I am spending the next 10mo at Facebook as a visiting researcher with Site Integrity, but I am not representing them in any capacity, nor am I an appropriate contact for the company.

-Paul

--

[[ trident ]]: All message content remains the property of the author and must not be forwarded or redistributed without explicit permission.

## Virgil, Franchesca

---

**From:** McConnell, Kirk (Armed Services) <Kirk\_McConnell@armed-services.senate.gov>  
**Sent:** Saturday, June 29, 2019 12:32 AM  
**To:** Antonakakis, Manos; Rodney Joffe; Joffe Rodney  
**Subject:** Fwd: connection for briefing on Enhanced Attribution

Well, Michael is quite a guy isn't he?

Sent from my iPhone

Begin forwarded message:

**From:** "Farrell, Michael" <[michael.farrell@isp.gatech.edu](mailto:michael.farrell@isp.gatech.edu)>  
**Date:** June 28, 2019 at 4:41:00 PM EDT  
**To:** "McConnell, Kirk (Armed Services)" <[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)>  
**Cc:** Ian Crone <[ian.crone@darpa.mil](mailto:ian.crone@darpa.mil)>, "lisa.heyes@darpa.mil" <[lisa.heyes@darpa.mil](mailto:lisa.heyes@darpa.mil)>  
**Subject:** Re: connection for briefing on Enhanced Attribution

Kirk,

Thanks for your interest in Georgia Tech research. However, we (GT) have no comment or position on the below. In fact, going forward please contact DARPA directly about any and all issues or questions or comments related to the enhanced attribution program. The DARPA congressional liaison and program manager are copied on this message and can respond, as needed. The Georgia Tech/GTRI PI and Co-PIs on this research program are not the appropriate POCs for any questions, comments, or concerns.

The government, not GT, makes decisions related to funding and transition from research at DARPA to other entities. The focus of Manos, myself and other Co-PIs is completely on doing impactful research. We follow contractual requirements and relevant policies for our part of this program (and GT is only one part), and devote our energy to 'creating the next' in cyber security.

Best,

Michael

On Jun 25, 2019, at 12:24, McConnell, Kirk (Armed Services) <[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)> wrote:

FYI. Andy is on the SAC-D staff. Andrew Pahutski from SCO is seeking approval from us on the Hill to shift some SCO money to Enhanced Attribution.

---

**From:** McConnell, Kirk (Armed Services)  
**Sent:** Tuesday, June 25, 2019 12:22 PM  
**To:** Heyes, Lisa ([lisa.heyes@darpa.mil](mailto:lisa.heyes@darpa.mil)) <[lisa.heyes@darpa.mil](mailto:lisa.heyes@darpa.mil)>; Vanlandingham, Andy (Appropriations) <[Andy\\_Vanlandingham@appro.senate.gov](mailto:Andy_Vanlandingham@appro.senate.gov)>  
**Subject:** connection for briefing on Enhanced Attribution

Lisa –

Andy Vanlandingham is interested in learning more about DARPA's Enhanced Attribution cybersecurity program. It turns out that a current SCO program manager whom we know well is moving over to Cyber Command to help with the transition of this DARPA program to CYBERCOM. Thanks, Kirk

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Thursday, June 7, 2018 9:44 PM  
**To:** Rodney Joffe  
**Subject:** Fwd: Engineered Biosystems Building

The meeting location for tomorrow morning. My talk starts at 10.30am.

---

Typos due to mobile device ...

Begin forwarded message:

**From:** "Farrell, Michael" <[Michael.Farrell@gtri.gatech.edu](mailto:Michael.Farrell@gtri.gatech.edu)>  
**Date:** June 7, 2018 at 17:51:52 EDT  
**To:** "Antonakakis, Emmanouil K" <[manos@gatech.edu](mailto:manos@gatech.edu)>  
**Subject:** Engineered Biosystems Building

[Engineered Biosystems Building](#)  
[950 Atlantic Dr NW, Atlanta, GA 30332](#)

## Virgil, Franchesca

---

**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Wednesday, August 10, 2016 7:56 AM  
**To:** Roberts, Kristen N; Joffe, Rodney  
**Subject:** DARPA - EA Sub: Neustar

Hey Kristen,

Please meet Rodney. Rodney, Kristen is my great financial admin.

Kristen, Rodney can help you with all necessary details you might need for OSP.

For Neustar, will have the following yearly breakdown:

Y1: \$1M  
Y2: \$300K  
Y3: \$250K  
Y4: \$250K  
Y5: \$125K

The SOW have been structured in such away that will reflect this distribution of funds. One special thing with Neustar is the following. It would be ideal if we can have a PO from them by 30th of September. This is something that we should try very hard to do.

Rodney, please help Kristen with any information she might need from Neustar in order to have you formally in the GT systems as a vendor.

Cheers,

Manos

## Virgil, Franchesca

---

**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Tuesday, September 27, 2016 4:29 PM  
**To:** Joffe, Rodney; Hayman, Denise  
**Cc:** Roberts, Kristen N  
**Subject:** DARPA EA clarifications --- Neustar  
**Attachments:** Basic\_DARPA\_BUDGET\_Manos.xls

Hey Rodney and Denise,

Hope you are doing great. Kristen and I would like from you the following clarifications.

1. Please provide us a new quote for \$1,925,000, where you clearly state the discount you gave us.
2. Please provide as a working Excel workbook for the pricing proposal. (Attached the template).

If you need any clarification on these (especially on the working Excel workbook), Kristen and I are here to help.

Many thanks,

Manos

## Virgil, Franchesca

---

**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Saturday, November 19, 2016 9:45 AM  
**To:** David Dagon; Farrell, Michael D; Beyah, Raheem A; Joffe, Rodney; Fabian Monrose  
**Subject:** DARPA Team Dinner

Gents,

You (and members of your teams?) will come out to the kick off meeting. Can you please confirm that you (and your team?) will be available for a Monday dinner? I will try to get us a place walking distance from DARPA and the Hilton hotel (where most of us will be staying).

Thanks,

Manos

## Virgil, Franchesca

---

**From:** Travis, Elan <Elan.travis@osp.gatech.edu>  
**Sent:** Friday, September 16, 2016 4:44 PM  
**To:** 'rodney.joffe@neustar.biz'  
**Cc:** Antonakakis, Manos; Roberts, Kristen N  
**Subject:** Draft/sample subcontract  
**Attachments:** Draft Subcontract Cost Reimbursement template.doc

Good Afternoon Rodney,

Kristen Roberts in Georgia Techs School of Electrical and Computer Engineering asked me to provide you with a draft subcontract. I have attached the draft template, please know that depending on the prime awards terms this may change with items being removed and/or added.

Please feel free to contact my if you have any questions or concerns.

### Élan Travis

Contracting Specialist

**Georgia Institute of Technology | GTRC**

Office of Sponsored Programs

505 Tenth Street, Atlanta GA 30332-0420

404.385-3645 p | 404.894.5945 f | [elan.travis@osp.gatech.edu](mailto:elan.travis@osp.gatech.edu)





## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Friday, February 22, 2019 8:03 AM  
**To:** Rodney Joffe; Joffe, Rodney  
**Cc:** Ian Crone; Schneck, Christopher (contr-i2o)  
**Subject:** E-introductions: Neustar --- new EA PM

Hey Rodney,

I am very happy to announce that we now have a new Program Manager (PM) for the EA project. Mr. Ian Crone will be leading the program from this point on, and Mr. Chris Schneck will be helping him out.

All of us think that it would be great if the new PM team meets (in a virtual or physical meeting) with you and talk about the datasets you have been providing in support of my effort in this project. I do not \_have to\_ be part of this meeting, because my schedule is too busy and I will simply slow things down. You should work directly with the Chris and Ian and set the meeting up.

Many thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Thursday, October 26, 2017 2:17 PM  
**To:** Antonakakis, Manos  
**Subject:** Fwd: PF access  
**Attachments:** PGP/MIME Versions Identification; OpenPGP encrypted message.asc

## Virgil, Franchesca

---

**From:** Rodney Joffe <rodney.joffe@neustar.biz>  
**Sent:** Tuesday, September 6, 2016 11:20 AM  
**To:** Noland, Yvonne  
**Subject:** Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
**Attachments:** Georgia Tech NDA (one-way) for Neustar DRAFT2 2016-Sep-06.docx; ATT00001.htm

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Yvonne,

This is the correct email.

Apparently all edits are OK except for the comments below. Could you please confirm?

Thanks

Rodney

=====

Rodney Joffe

SVP, Senior Technologist, and Fellow

Neustar, Inc. (NYSE:NSR)

1775 Pennsylvania Ave. NW

Suite 400

Washington DC 20006

+1 202-533-2900 Direct

+1 602-418-6471 Cell

---

**From:** Contracts  
**Sent:** Tuesday, September 06, 2016 11:06 AM  
**To:** Joffe, Rodney <[Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>; Contracts <[Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Rodney,

All the counter-edits are acceptable with the exception of the Confidential Information marking.

Through discussions or written information disclosed, it would be somewhat difficult to have to “mark” all proprietary/confidential information as “Confidential”. In the event that there are times that such information is not marked or otherwise indicated verbally during ongoing communication, we want to ensure that, although not marked as “Confidential”, that it is protected under the NA,

**Samantha Ellis**  
NeuStar, Inc. | Contracts Manager  
571.434.3421

---

**From:** Noland, Yvonne [<mailto:yvonne.noland@legal.gatech.edu>]  
**Sent:** Tuesday, September 06, 2016 10:14 AM  
**To:** Joffe, Rodney <[Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>; Contracts <[Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Cc:** Antonakakis, Emmanouil K <[manos@gatech.edu](mailto:manos@gatech.edu)>; Cameron, Yolonda L <[yolonda.cameron@legal.gatech.edu](mailto:yolonda.cameron@legal.gatech.edu)>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Good morning – please advise regarding the status of this matter at your earliest convenience. Thank you.

---

**From:** Noland, Yvonne  
**Sent:** Thursday, August 04, 2016 12:38 PM  
**To:** 'Rodney Joffe' <[rodney.joffe@neustar.biz](mailto:rodney.joffe@neustar.biz)>; 'Contracts@neustar.biz' <[Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Cc:** Antonakakis, Emmanouil K <[manos@gatech.edu](mailto:manos@gatech.edu)>; Cameron, Yolonda L <[yolonda.cameron@legal.gatech.edu](mailto:yolonda.cameron@legal.gatech.edu)>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Rodney,

Attached please find our additional comments and revisions for review by your legal department.

Regards,

**Yvonne Noland**

Legal Services Coordinator  
Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)  
Phone: 404-894-4812  
Fax: 404-894-3120

Please note that most communications to or from Georgia Tech employees are public records and available to the public and the media upon request under Georgia's broad open records law. Therefore, this e-mail communication and any response to it may be subject to public disclosure.

---

**From:** Rodney Joffe [<mailto:rodney.joffe@neustar.biz>]  
**Sent:** Wednesday, August 03, 2016 12:52 PM  
**To:** Noland, Yvonne <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)>  
**Cc:** Antonakakis, Emmanouil K <[manos@gatech.edu](mailto:manos@gatech.edu)>; Cameron, Yolonda L <[yolonda.cameron@legal.gatech.edu](mailto:yolonda.cameron@legal.gatech.edu)>  
**Subject:** Re: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hello Yvonne,

Thanks... I am attaching a marked up version of the NDA from our legal group... Hopefully this is acceptable.

Regards  
Rodney

On Aug 3, 2016, at 7:30 AM, Noland, Yvonne <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)> wrote:

Good morning,

Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

As such, I have prepared and attached Georgia Tech's standard unilateral Proprietary Information Agreement for consideration by your contracts/legal department. If the document is satisfactory, please have it executed and return it to me. I will then have the document countersigned and return a copy to you for your files. If you would like to request any changes to the agreement, please utilize the "track changes" feature and return the edited version to me.

Sincerely,

**Yvonne Noland**

Legal Services Coordinator  
Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)  
Phone: 404-894-4812  
Fax: 404-894-3120

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<Neustar Inc. (NDA-4406).docx>

## Virgil, Franchesca

---

**From:** Rodney Joffe <rodney.joffe@neustar.biz>  
**Sent:** Wednesday, August 3, 2016 1:13 PM  
**To:** Noland, Yvonne  
**Subject:** Fwd: PIA - Neustar Inc./Georgia Tech (NDA-4406)  
**Attachments:** Georgia Tech NDA (one-way) for Neustar DRAFT 2016-Aug-03 1215hrs.docx; ATT00001.htm

Yvonne,  
Does this work?

The email below also includes our legal group contract info.

Thanks  
Rodney

Begin forwarded message:

**From:** Contracts <[Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Date:** August 3, 2016 at 9:38:02 AM PDT  
**To:** "Joffe, Rodney" <[Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>  
**Cc:** "Konde, Alex" <[alex.konde@neustar.biz](mailto:alex.konde@neustar.biz)>, Contracts <[Contracts@neustar.biz](mailto:Contracts@neustar.biz)>  
**Subject:** RE: PIA - Neustar Inc./Georgia Tech (NDA-4406)

Hi Rodney,

Legal has reviewed the attached and have made a few edits. Please let me know if you have any questions or concerns.

Regards,  
Samantha

**Samantha Ellis**  
NeuStar, Inc. | Contracts Manager  
571.434.3421

---

**Resent-From:** <[rodney.joffe@neustar.biz](mailto:rodney.joffe@neustar.biz)>  
**From:** "Noland, Yvonne" <[yvonne.noland@legal.gatech.edu](mailto:yvonne.noland@legal.gatech.edu)>  
**Date:** August 3, 2016 at 7:30:34 AM PDT  
**To:** "[Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)" <[Rodney.Joffe@neustar.biz](mailto:Rodney.Joffe@neustar.biz)>  
**Cc:** "Antonakakis, Emmanouil K" <[manos@gatech.edu](mailto:manos@gatech.edu)>, "Cameron, Yolonda L" <[yolonda.cameron@legal.gatech.edu](mailto:yolonda.cameron@legal.gatech.edu)>  
**Subject:** PIA - Neustar Inc./Georgia Tech (NDA-4406)

Good morning,

Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However,

the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

As such, I have prepared and attached Georgia Tech's standard unilateral Proprietary Information Agreement for consideration by your contracts/legal department. If the document is satisfactory, please have it executed and return it to me. I will then have the document countersigned and return a copy to you for your files. If you would like to request any changes to the agreement, please utilize the "track changes" feature and return the edited version to me.

Sincerely,

**Yvonne Noland**

Legal Services Coordinator  
Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)  
Phone: 404-894-4812  
Fax: 404-894-3120

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## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Monday, October 15, 2018 10:01 PM  
**To:** NANOG  
**Subject:** It's been 20 years today (Oct 16, UTC). Hard to believe.

At NANOG two weeks ago, we had an interesting discussion at one of the lunch tables. One of the subjects we discussed was the original IANA, and RFC Editor, Jon Postel.

Seven of the ten people at the table had never heard of him. Maybe these days it no longer matters who he was, and what he meant to where we are today.

<Sigh>

For those who care about the history of the Internet, and routing and addressing. And protocols...

<https://tools.ietf.org/html/rfc2468>

Oct 16, 1998.



## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, October 16, 2019 10:52 PM  
**To:** NANOG  
**Subject:** Its hard to believe that it has been 21 years...

Twenty-one years ago today, Jon Postel passed away in Santa Monica, CA.

Almost all of us get to do what we do today, because of his vision, guidance, and leadership. He is one of many giants on whose shoulders we stand today (some are still active here in NANOG), but he was the compass that guided most of us.

For those of you who are too young to recognize his name, or don't realize who that " J. Postel" is at the end of all of those RFCs you look at and quote:

<https://www.ietf.org/rfc/rfc2468.txt>

[https://en.wikipedia.org/wiki/Jon\\_Postel](https://en.wikipedia.org/wiki/Jon_Postel)

<https://www.internetsociety.org/grants-and-awards/postel-service-award/ten-year-tribute-jon-postel/>

/rlj

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Sunday, September 24, 2017 10:54 PM  
**To:** Joffe, Rodney  
**Cc:** rjoffe@centergate.com  
**Subject:** Letter for HACCS  
**Attachments:** Clarification\_quote\_Neustar.doc

Rodney, per our discussion please find the letter attached. I think you can use this a good first draft and build upon it.

What I would like is the final version of this letter alongside a quote for your data.

Cheers,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

**Virgil, Franchesca**

---

**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Thursday, December 8, 2016 11:52 AM  
**To:** Roberts, Kristen N; Rodney Joffe; Davis, Gabrielle S  
**Subject:** Neustar PO status

Hey Kristen,

Can you please relay to Rodney the status of the Neustar PO --- as we talked about it over the phone 5 minutes ago.

Rodney, I am very sorry for the delay.

Thanks,

Manos

## Virgil, Franchesca

---

**From:** Sinness, Mark B  
**Sent:** Thursday, December 15, 2016 4:55 PM  
**To:** john.hall@neustar.biz; rodney.joffe@neustar.biz  
**Subject:** Neustar Quote for Emmanouil Antonakakis  
**Attachments:** WEB FAR 52 Debarment.doc; WEB FAR 52 Lobbying.doc; Sole Source Template Form .doc

Rodney and John,

Per my phone conversation with Rodney, in order for me to process the PO of the above referenced quote, I will need you to complete some documentation for me. As you may know, DARPA is the funding source for this purchase, so I will need you complete the attached Federal Certifications. Also, pursuant to FAR 52.219-9 I will need you to forward onto me your Small Business Contracting Plan. In addition, I will need you to complete the attached sole source form (I know it doesn't really fit for this purchase, but bear with me) and the price reasonableness documentation requested in the form. Call with any questions.

Thanks for your assistance.

Mark Sinness  
Procurement Contracting Officer  
Georgia Institute of Technology  
711 Marietta St.  
Atlanta GA 30332-0300  
Phone 404 894 5007  
Fax 404 894 8552

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Peter Lothberg <roll@Stupi.SE>  
**Sent:** Sunday, October 15, 2017 6:33 AM  
**To:** Rodney Joffe  
**Cc:** NANOG  
**Subject:** Re: 19 years ago today (Oct 16th, 1998) we lost our guide - Jon Postel - RFC2468

Abha...

<http://www.lothberg.org/cgi-bin/thumb?20010321/dscn6739.jpg>

--P

## Virgil, Franchesca

---

**From:** Noland, Yvonne  
**Sent:** Wednesday, August 3, 2016 10:31 AM  
**To:** Rodney.Joffe@neustar.biz  
**Cc:** Antonakakis, Emmanouil K; Cameron, Yolonda L  
**Subject:** PIA - Neustar Inc./Georgia Tech (NDA-4406)  
**Attachments:** Neustar Inc. (NDA-4406).docx

Good morning,

Our office is in receipt of a request to process a non-disclosure agreement between Georgia Tech and Neustar Inc. The standard Neustar Confidentiality Agreement provided to us contemplates a mutual exchange of confidential information. However, the GT point of contact for this matter has advised it is not anticipated GT will disclose any confidential/proprietary information for this effort.

As such, I have prepared and attached Georgia Tech's standard unilateral Proprietary Information Agreement for consideration by your contracts/legal department. If the document is satisfactory, please have it executed and return it to me. I will then have the document countersigned and return a copy to you for your files. If you would like to request any changes to the agreement, please utilize the "track changes" feature and return the edited version to me.

Sincerely,

**Yvonne Noland**

Legal Services Coordinator  
Georgia Institute of Technology  
Office of Legal Affairs  
Atlanta, GA 30332-0495  
Email: [Yvonne.Noland@legal.gatech.edu](mailto:Yvonne.Noland@legal.gatech.edu)  
Phone: 404-894-4812  
Fax: 404-894-3120

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## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, June 6, 2018 4:16 PM  
**To:** David Dagon; Dagon, David S  
**Subject:** Please call me asap..

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Friday, January 24, 2020 3:35 PM  
**To:** Christopher Schneck; Rodney Joffe  
**Cc:** Ian Crone  
**Subject:** Quick catch up with Neustar

Hey Chris,

As I explained in the DHS-related email I got the green light to use the NSR and PF data from Vic and Rodney. Rodney was asking about the long term plan for the Neustar data as far as the government is concerned. While I can answer this question from the lenses of GT and my private ventures I cannot answer this on behalf of the USG.

Perhaps, you (I know Ian is busy) can you get on call with Rodney and explain to him what the long term plan is?

Thanks!

Manos



## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Saturday, October 15, 2016 9:19 AM  
**To:** NANOG  
**Subject:** Re: 18 years ago today - rfc 2468

To be clear - Oct 16. Which has just tolled in the APAC region. For most of you it will be tomorrow. But no matter. You get the point.

> On Oct 15, 2016, at 9:08 AM, Rodney Joffe <rjoffe@centergate.com> wrote:

>

> How time flies....

## Virgil, Franchesca

---

**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Thursday, October 20, 2016 1:11 PM  
**To:** Roberts, Kristen N; Joffe, Rodney  
**Cc:** Hall, John  
**Subject:** Re: Checking in on Neustar Contract

John, please talk with Rodney. He gets regular feedback from me.

Manos

On Thu, Oct 20, 2016 at 1:09 PM, Roberts, Kristen N <kristen.roberts@ece.gatech.edu> wrote:

> Hi John,

>

>

> We have not yet received the prime contract from DARPA, and I believe  
> they are finalizing the "costing" portion. We will send updates once  
> we hear from the GT Contracting Officer.

>

>

> Best,

>

> Kristen

>

>

>

> \_\_\_\_\_

>

> Kristen Roberts

>

> Grants Administrator, Sr.

>

> Georgia Institute of Technology

>

> School of Electrical & Computer Engineering

>

> 777 Atlantic Drive, Atlanta, GA 30332-0250

>

> Van Leer-Rm W236-A

>

> Ph: 404.385.6485

>

> Email: Kristen.roberts@ece.gatech.edu

>

>

>

> \_\_\_\_\_

> From: Hall, John <John.Hall@neustar.biz>

> Sent: Thursday, October 20, 2016 11:07 AM



## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Saturday, June 29, 2019 12:39 AM  
**To:** McConnell, Kirk (Armed Services)  
**Cc:** Antonakakis, Manos  
**Subject:** Re: connection for briefing on Enhanced Attribution

Jeez

What a piece of work! Glad you don't have any influence with DARPA's budget that Michael relies on.

Manos?

On Jun 29, 2019, at 12:31 AM, McConnell, Kirk (Armed Services) <[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)> wrote:

Well, Michael is quite a guy isn't he?

Sent from my iPhone

Begin forwarded message:

**From:** "Farrell, Michael" <[michael.farrell@iisp.gatech.edu](mailto:michael.farrell@iisp.gatech.edu)>  
**Date:** June 28, 2019 at 4:41:00 PM EDT  
**To:** "McConnell, Kirk (Armed Services)" <[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)>  
**Cc:** Ian Crone <[ian.crone@darpa.mil](mailto:ian.crone@darpa.mil)>, "lisa.heyes@darpa.mil" <[lisa.heyes@darpa.mil](mailto:lisa.heyes@darpa.mil)>  
**Subject:** **Re: connection for briefing on Enhanced Attribution**

Kirk,

Thanks for your interest in Georgia Tech research. However, we (GT) have no comment or position on the below. In fact, going forward please contact DARPA directly about any and all issues or questions or comments related to the enhanced attribution program. The DARPA congressional liaison and program manager are copied on this message and can respond, as needed. The Georgia Tech/GTRI PI and Co-PIs on this research program are not the appropriate POCs for any questions, comments, or concerns.

The government, not GT, makes decisions related to funding and transition from research at DARPA to other entities. The focus of Manos, myself and other Co-PIs is completely on doing impactful research. We follow contractual requirements and relevant policies for our part of this program (and GT is only one part), and devote our energy to 'creating the next' in cyber security.

Best,

Michael

On Jun 25, 2019, at 12:24, McConnell, Kirk (Armed Services) <[Kirk\\_McConnell@armed-services.senate.gov](mailto:Kirk_McConnell@armed-services.senate.gov)> wrote:

FYI. Andy is on the SAC-D staff. Andrew Pahutski from SCO is seeking approval from us on the Hill to shift some SCO money to Enhanced Attribution.

---

**From:** McConnell, Kirk (Armed Services)  
**Sent:** Tuesday, June 25, 2019 12:22 PM  
**To:** Heyes, Lisa ([lisa.hey@darpa.mil](mailto:lisa.hey@darpa.mil)) <[lisa.hey@darpa.mil](mailto:lisa.hey@darpa.mil)>;  
Vanlandingham, Andy (Appropriations)  
<[Andy\\_Vanlandingham@appro.senate.gov](mailto:Andy_Vanlandingham@appro.senate.gov)>  
**Subject:** connection for briefing on Enhanced Attribution

Lisa –

Andy Vanlandingham is interested in learning more about DARPA's Enhanced Attribution cybersecurity program. It turns out that a current SCO program manager whom we know well is moving over to Cyber Command to help with the transition of this DARPA program to CYBERCOM. Thanks, Kirk

## Virgil, Franchesca

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**From:** Roberts, Kristen N  
**Sent:** Wednesday, August 10, 2016 8:28 AM  
**To:** Antonakakis, Manos; Joffe, Rodney  
**Subject:** Re: DARPA - EA Sub: Neustar

Hi Manos,

Thank you for the kind introduction.

Rodney, it is a pleasure to meet you and congratulations on this grand award! I am working with our contracting specialist to confirm which forms are needed to have Neustar set-up efficiently for the start of this project. I will do my best to have the subaward paperwork and PO entered by 9/30, but please note this timeline is dependent upon execution of the main project from DARPA in OSP.

I look forward to working with you on this project. Please let me know if you need any additional information.

Best,  
Kristen

---

Kristen Roberts  
Financial Administrator III  
Georgia Institute of Technology  
School of Electrical & Computer Engineering  
266 Ferst Drive, Atlanta, GA 30332-0250  
KACB-Rm 3352  
Ph: 404.385.6485  
Email: Kristen.roberts@ece.gatech.edu

---

**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Wednesday, August 10, 2016 7:56 AM  
**To:** Roberts, Kristen N; Joffe, Rodney  
**Subject:** DARPA - EA Sub: Neustar  
Hey Kristen,

Please meet Rodney. Rodney, Kristen is my great financial admin.

Kristen, Rodney can help you with all necessary details you might need for OSP.

For Neustar, will have the following yearly breakdown:

Y1: \$1M  
Y2: \$300K  
Y3: \$250K  
Y4: \$250K

Y5: \$125K

The SOW have been structured in such away that will reflect this distribution of funds. One special thing with Neustar is the following. It would be ideal if we can have a PO from them by 30th of September. This is something that we should try very hard to do.

Rodney, please help Kristen with any information she might need from Neustar in order to have you formally in the GT systems as a vendor.

Cheers,

Manos

## Virgil, Franchesca

---

**From:** Rodney Joffe <rodney.joffe@neustar.biz>  
**Sent:** Saturday, November 19, 2016 12:06 PM  
**To:** Antonakakis, Manos  
**Cc:** David Dagon; Farrell, Michael D; Beyah, Raheem A; Fabian Monroe  
**Subject:** Re: DARPA Team Dinner

I know and am ok with all 3.

> On Nov 19, 2016, at 10:40 AM, Manos Antonakakis <manos@gatech.edu> wrote:

>

> Regarding places that are good enough, likely have room for the team

> and close by DARPA/hotel, we have the following options:

>

> - P.F. Chang's (Chinese Restaurant)

> - Uncle Julio's (Mexican Restaurant)

> - Zoës Kitchen (Mediterranean Restaurant)

>

> I can make the reservations Monday, so let me know what you prefer. We

> are looking for dinner time to be 19.30.

>

> Thanks,

>

> Manos

>

>> On Sat, Nov 19, 2016 at 9:44 AM, Manos Antonakakis <manos@gatech.edu> wrote:

>> Gents,

>>

>> You (and members of your teams?) will come out to the kick off

>> meeting. Can you please confirm that you (and your team?) will be

>> available for a Monday dinner? I will try to get us a place walking

>> distance from DARPA and the Hilton hotel (where most of us will be

>> staying).

>>

>> Thanks,

>>

>> Manos



## Virgil, Franchesca

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**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Wednesday, September 21, 2016 10:42 AM  
**To:** Farrell, Michael D; Fabian Monrose; Simon Forster; Rodney Joffe; Tim Chen; dan@klondikedata.com  
**Cc:** David Dagon; Roberts, Kristen N  
**Subject:** Re: DARPA-16-34-EA-FP-023 --- Status Update

Folks,

We have some very minor budget discrepancies and budget formatting request that will be coming your way. The government wants you to send to them directly your budgets. Now, your data will still be in GT under my control, however, that is the way the contract will be negotiated.

Now, I will be following up individually with each one of you, with detailed instructions of what you need to revise in your quotes so we can make the process move faster and smother. When possible, I will include templates so I can make your life easier.

If you have any issues, Kristen, Dave and I are here to help.

This is a heads up.

Manos

On Tue, Sep 20, 2016 at 3:29 PM, Manos Antonakakis <manos@gatech.edu> wrote:

> Folks,  
>  
> Happy to report that contract negotiations have began. Stay tuned for  
> more information and action items.  
>  
> Cheers,  
>  
> Manos

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Friday, October 27, 2017 7:15 PM  
**To:** Rodney Joffe  
**Subject:** Re: Fwd: PF access  
**Attachments:** ATT00001; msg.asc

## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Friday, April 13, 2018 11:50 AM  
**To:** [REDACTED]  
**Subject:** Re: Intros

Hey Scott,

Good to meet you via Manos (moved to bcc).

Let me know when and where ;-)

Regards  
Rodney

> On Apr 13, 2018, at 11:03 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Scott please meet Rodney. Rodney, please meet Scott. You two are local, and I think you should get together for lunch or dinner.

>

> Thanks, Manos

>

> ---

> Typos due to mobile device ...

## Virgil, Franchesca

---

**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, September 7, 2016 9:00 PM  
**To:** [REDACTED]  
**Cc:** Manos Antonakakis  
**Subject:** Re: Submission of Active DNS RAID paper to student competition conference

Hello [REDACTED]

Happy for you to do whatever you want related to this :-)

You have my approval.

Thanks  
Rodney

> On Sep 6, 2016, at 3:26 PM, [REDACTED] wrote:

>

> Hello Rodney,

>

> I would like to let you know that I am planning to submit the Active DNS paper to a student competition focused on cyber security awareness.

> You can find out more about the event here:

> <https://csaw.engineering.nyu.edu> More about the published work

> competition here: <https://csaw.engineering.nyu.edu/research>

>

> Since you are one of the authors I would like to know if submitting the paper there, would be ok with you as your name will also be in the paper.

>

> We will submit the exact same version that was submitted to RAID.

> The event is mostly about awareness and promotion of student publications in the cyber security space, and it is only accepting already published papers. That's why we will be submitting the same version that was accepted to RAID 2016.

> I would like to thank you again about your contribution to the paper and your collaboration. It has been very valuable to me as a new student.

>

> [REDACTED]

## Virgil, Franchesca

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**From:** NANOG <nanog-bounces@nanog.org> on behalf of Suzanne Woolf [REDACTED] >  
**Sent:** Monday, October 15, 2018 10:11 PM  
**To:** Rodney Joffe  
**Cc:** NANOG  
**Subject:** Re: It's been 20 years today (Oct 16, UTC). Hard to believe.

> On Oct 15, 2018, at 10:00 PM, Rodney Joffe <rjoffe@centergate.com> wrote:

>

> At NANOG two weeks ago, we had an interesting discussion at one of the lunch tables. One of the subjects we discussed was the original IANA, and RFC Editor, Jon Postel.

>

> Seven of the ten people at the table had never heard of him. Maybe these days it no longer matters who he was, and what he meant to where we are today.

>

> <Sigh>

>

> For those who care about the history of the Internet, and routing and addressing. And protocols...

And the principles that make it “the Internet”, not just “some internets.”

>

> <https://tools.ietf.org/html/rfc2468>

>

Suzanne

## Virgil, Franchesca

---

**From:** Joffe, Rodney <Rodney.Joffe@neustar.biz>  
**Sent:** Thursday, December 1, 2016 8:29 AM  
**To:** Roberts, Kristen N  
**Cc:** Hall, John; Hayman, Denise; Antonakakis, Emmanouil K  
**Subject:** Re: Neustar Data

Hello Kristen,

Great news. Thank you. We'll be standing by.

Regards  
Rodney

On Dec 1, 2016, at 8:20 AM, Roberts, Kristen N <[kristen.roberts@ece.gatech.edu](mailto:kristen.roberts@ece.gatech.edu)> wrote:

Good morning,

We received our internal project number yesterday afternoon and I am initiating the sub-agreement request this morning. You should hear from our contracting officer by Monday afternoon and I will ask that she expedite the process.

Best,  
Kristen

---

Kristen Roberts  
Grants Administrator, Sr.  
Georgia Institute of Technology  
School of Electrical & Computer Engineering  
777 Atlantic Drive, Atlanta, GA 30332-0250  
Van Leer-Rm W236-A  
Ph: 404.385.6485  
Email: [Kristen.roberts@ece.gatech.edu](mailto:Kristen.roberts@ece.gatech.edu)

---

**From:** [REDACTED] on behalf of Manos Antonakakis  
<[manos@gatech.edu](mailto:manos@gatech.edu)>  
**Sent:** Wednesday, November 23, 2016 8:07 AM  
**To:** Roberts, Kristen N  
**Cc:** Hall, John; Hayman, Denise; Joffe, Rodney  
**Subject:** Re: Neustar Data

John, the account number will be set up soon, and we will reach out. No need to sent any more email or call anyone. Rodney is fully aware that this is in the top of my queue.

Again, when you reach out to GT, you need to include me and Rodney in your communication.

Manos

On Wed, Nov 23, 2016 at 8:03 AM, Roberts, Kristen N <[kristen.roberts@ece.gatech.edu](mailto:kristen.roberts@ece.gatech.edu)> wrote:

Hi John,

There's not much news at this point. I believe our contracting office signed the prime agreement on 11/17, but I have not received notice of the new project. Once I am able to enter sub-agreements on our end, our Contracting Officer will discuss any necessary language changes needed for Neustar. I suspect we'll get the ball rolling early next week. Yours is first on the list. <OutlookEmoji-😊.png>

Happy Thanksgiving!  
Kristen

---

Kristen Roberts  
Grants Administrator, Sr.  
Georgia Institute of Technology  
School of Electrical & Computer Engineering  
777 Atlantic Drive, Atlanta, GA 30332-0250  
Van Leer-Rm W236-A  
Ph: 404.385.6485  
Email: [Kristen.roberts@ece.gatech.edu](mailto:Kristen.roberts@ece.gatech.edu)

---

**From:** Hall, John <[John.Hall@neustar.biz](mailto:John.Hall@neustar.biz)>  
**Sent:** Tuesday, November 22, 2016 2:06 PM  
**To:** Roberts, Kristen N  
**Cc:** Hayman, Denise  
**Subject:** Neustar Data

Hi Kristen, Just a note to followup on the voicemail I just left you. I understand, from Rodney, that you are moving forward with your contracting process. It occurs to me that we have not spoken since I sent the updated quote with minor language updates. I'd love to catch up on a call at your earliest convenience to help with any of the business aspects of this project.

I'll be available – even throughout the holiday.

Have a great Thanksgiving if we don't get an opportunity to speak before.

VR

**John W Hall**

**Neustar, Inc.** / Sr. Director – Federal Business  
[ T ] (571) 246-2407 [ E ] [john.hall@neustar.biz](mailto:john.hall@neustar.biz)

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## Virgil, Franchesca

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**From:** [REDACTED] on behalf of Manos Antonakakis <manos@gatech.edu>  
**Sent:** Friday, November 11, 2016 4:47 PM  
**To:** Roberts, Kristen N; Joffe, Rodney  
**Cc:** Hall, John  
**Subject:** Re: Neustar Proposal Language

Lets keep me and Rodney always in this loop.

Thanks,

Manos

On Fri, Nov 11, 2016 at 4:20 PM, Roberts, Kristen N <kristen.roberts@ece.gatech.edu> wrote:

> Thanks, John. The contract is still in the negotiating stage but we  
> are  
> (hopefully) very near the finish line.

>

>

> Best,

>

> Kristen

>

>

> \_\_\_\_\_

>

> Kristen Roberts

>

> Grants Administrator, Sr.

>

> Georgia Institute of Technology

>

> School of Electrical & Computer Engineering

>

> 777 Atlantic Drive, Atlanta, GA 30332-0250

>

> Van Leer-Rm W236-A

>

> Ph: 404.385.6485

>

> Email: Kristen.roberts@ece.gatech.edu

>

>

>

> \_\_\_\_\_

> From: Hall, John <John.Hall@neustar.biz>

> Sent: Friday, November 11, 2016 4:09 PM

> To: Roberts, Kristen N

> Cc: Hall, John

> Subject: Re: Neustar Proposal Language

>

> Hi Kristen, Here's the updated quote with a little additional clarity

> on the terms. You'll notice that I left the "program id" section

> blank – I'll update that when you're able to provide it to me, or we

> can just call it "DARPA".

>

> Let m know if you have any questions or concerns.

>

> VR

>

> John W Hall

>

> Neustar, Inc. / Sr. Director – Federal Business

>

> [ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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> From: John Hall <john.hall@neustar.biz>

> Date: Thursday, November 10, 2016 at 1:30 PM

> To: "Roberts, Kristen N" <kristen.roberts@ece.gatech.edu>

> Subject: Neustar Proposal Language

>

> Hi Kristen,

> Im getting word from Denise Hayman and Rodney Joffee that you guys are

> making progress and getting close to being able to issue award. As  
> per our last phone discussion, I am working with Neustar legal to  
> provide language that will meet your organizations use case and  
> support our need for some sort of user license controls. I'm planning  
> on sending you a new rev of our proposal with the addition of this  
> language, but am missing the DARPA program # or other identifier.  
>  
> Can you tell me what the contract # is or provide name or other unique id?  
> Once I get this from you – I will send over the changes.  
>  
> Let me know if you have any questions or concerns.  
>  
>  
> John W Hall  
>  
> Neustar, Inc. / Sr. Director – Federal Business  
>  
> [ T ] (571) 246-2407 [ E ] john.hall@neustar.biz  
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## Virgil, Franchesca

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**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Tuesday, April 24, 2018 11:26 PM  
**To:** Antonakakis, Manos  
**Subject:** You still up?

## Virgil, Franchesca

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**From:** Antonakakis, Manos  
**Sent:** Wednesday, April 25, 2018 9:49 AM  
**To:** Rodney Joffe  
**Subject:** Re: You still up?

Sorry, just saw the email. I am on a deadline for a few DARPA stuff.

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Rodney Joffe <rjoffe@centergate.com>  
Sent: Tuesday, April 24, 2018 11:25:31 PM  
To: Antonakakis, Manos  
Subject: You still up?

## Virgil, Franchesca

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**From:** data=dissectcyber.com@mailserver.m3aawg.org on behalf of April Lorenzen  
<data@dissectcyber.com>  
**Sent:** Sunday, December 2, 2018 9:23 AM  
**To:** Antonakakis, Manos  
**Subject:** Request to join Academic Committee

Dear Committee Chair,

The following M3AAWG member has requested membership in the Academic Committee.

**First Name:** April  
**Last Name:** Lorenzen  
**Company:** M3AAWG Senior Technical Advisor

To approve or deny membership in this committee, click [here](#).

M3AAWG Staff

=====  
You are receiving this email because you are a member of M3AAWG. This email is confidential under the membership agreement and can be shared only with members. You can unsubscribe yourself from a committee list by logging as a member into the M3AAWG website ([www.m3aawg.org](http://www.m3aawg.org)) and then deleting yourself from the committee or by emailing the committee chairs. To be removed from general M3AAWG announcements, please send an email to [webmaster@members.maawg.org](mailto:webmaster@members.maawg.org).

M3AAWG, 781 Beach Street, Suite 302, San Francisco, California 94109 U.S.A.

## Virgil, Franchesca

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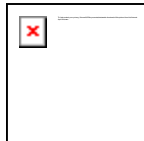
**From:** April Lorenzen via LinkedIn <invitations@linkedin.com>  
**Sent:** Sunday, August 12, 2018 3:51 PM  
**To:** O'Brien, Kevin F  
**Subject:** See April's connections, activity and experience



Kevin O'Brien



April Lorenzen has accepted your invitation. Let's start a conversation.



### April Lorenzen

Chief Data Scientist at ZETAlytics  
Providence, Rhode Island Area

Message

View profile

### People you may know



#### Brittany Powell

Project Development and Engineering Intern at Siemens...

+ Connect



#### Karima Alkhalid

Industrial Engineering Major & Social Justice Minor

+ Connect



#### Sara Piche

Advertising Student at the University of Georgia with...

+ Connect

See more

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You are receiving Accepted Invitation emails.

This email was intended for Kevin O'Brien (Technical Assistant at College of Computing Georgia Tech). [Learn why we included this.](#)



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## Virgil, Franchesca

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**From:** NANOG <nanog-bounces@nanog.org> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, March 25, 2020 4:14 PM  
**To:** NANOG  
**Subject:** Shining a light on ambulance chasers - Noction

Under the heading of sales spam from our community that is in even poorer taste, and sucks:

Begin forwarded message:

> From: Josh Ankin <jankin@noction.com>  
> Subject: BGP Management  
> Date: March 25, 2020 at 3:39:02 PM EDT  
> To: rjoffe@centergate.com  
> Reply-To: jankin@noction.com  
>  
> Hello Rodney,  
>  
> I know things are pretty hectic right now with COVID-19 precautions being taken everywhere. I hope it's not affecting your team too much, and most importantly, I hope everyone is safe.  
>  
> In recent months, I've been trying to bring your attention to BGP optimization. However, our solution's other notable features can be of utmost value at these uncertain times as the Internet traffic volumes and patterns change

Etc Etc

## Virgil, Franchesca

---

**From:** Antonakakis, Manos  
**Sent:** Tuesday, January 7, 2020 8:22 AM  
**To:** Rodney Joffe  
**Subject:** Some advice

<https://twitter.com/CISAKrebs/status/1214398302663446530?s=20>

Rodney, I know you are friends with Chris, so as a friend I would suggest you make him aware of the following.

The MITRE ATT&CK framework is in essence a collection of attack signatures. It is embarrassing for major US authorities like Chris to come out in public and say that Iran will be using attack methods that have not only been identified historically from US analysts, but they are also available to be seen in the public domain.

That is, if the Iranians are truly trying to do something sophisticated, by definition, will be different than what they have done in the past. Therefore, looking at the MITRE framework for \*detection and remediation\* is effectively and practically useless.

While I did not comment on his comment, in various private lists/channels I am serious technical people are making fun of these recommendations.

Again, this is a heads up you should give him as a friend.

--

Manos Antonakakis | Associate Professor | [manos@gatech.edu](mailto:manos@gatech.edu) School of Electrical and Computer Engineering Georgia Institute of Technology FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

## Virgil, Franchesca

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**From:** Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Wednesday, March 17, 2021 8:20 PM  
**To:** Antonakakis, Manos  
**Subject:** Surprise!  
**Attachments:** Stavros-W.png.gpg

## Virgil, Franchesca

---

**From:** NANOG <nanog-bounces@nanog.org> on behalf of Rodney Joffe <rjoffe@centergate.com>  
**Sent:** Tuesday, June 13, 2017 9:00 AM  
**To:** NANOG  
**Subject:** Vendors spamming NANOG attendees

It seems that more than just a few of us were spammed by Glenn Stern (gstern@calient.net), an employee of Calient following NANOG 70.

The spammer had the balls to say, in his email:

>  
> We do not know each other. I'm leveraging the attendee list for NANOG to reach out and raise awareness of the value of OCS (Optical Circuit Switching) in the data center and in particular, the Carrier Neutral Hotel where we've been active with next generation MeetMeRoom discussions.

He does not show as an attendee at NANOG, but another executive, David Altstaetter, daltstaetter@calient.net did register, and may have even shown up. Hopefully those of you who have traditional community attitudes will show your reaction via your pocketbooks.

Maybe its time for the NANOG board and staff to step in, and develop some teeth to use in cases like these? Unless the majority of you members are cool with unfettered spamming of member and attendee lists. In which case, have at it!

Rodney

## Virgil, Franchesca

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**From:** anti-s@ncfta.net on behalf of Rodney Joffe via anti-s <anti-s@ncfta.net>  
**Sent:** Thursday, January 31, 2019 11:16 PM  
**To:** anti-s@ncfta.net  
**Cc:** Rodney Joffe  
**Subject:** [anti-s] Canadian Regulator contact

Hi folks,

Can anyone here point me to an effective contact to handle a blatant Canadian spammer. The spammer is real, has real contact info (spammer owns and is pimping a Lodge in Winnipeg) and is open about spamming.

I already sent one copy to a contact but had no response and we're still seeing small numbers of spam. This one looks like a perfect one for the regulators to get physical hands on...

Thanks  
Rodney

-----  
Information posted to anti-s is highly confidential and should not be re-posted anywhere without permission of the original author.  
-----

## Virgil, Franchesca

---

**From:** anti-s@ncfta.net on behalf of Rodney Joffe via anti-s <anti-s@ncfta.net>  
**Sent:** Monday, April 1, 2019 1:29 PM  
**To:** anti-s@ncfta.net  
**Cc:** Rodney Joffe  
**Subject:** [anti-s] Seeking FBI cyber agent who would be in the Field Office covering Polk County, Florida.  
**Attachments:** signature.asc

Please reply off-list to avoid noise (although I know this request is generally glossed over, sigh ;-))

-----  
Information posted to anti-s is highly confidential and should not be re-posted anywhere without permission of the original author.  
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## Virgil, Franchesca

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**From:** baseball-bounces@centergate.com on behalf of Alexander Dupuy <alexdupuy@google.com>  
**Sent:** Thursday, April 19, 2018 10:02 PM  
**To:** Rodney Joffe; Puneet Sood  
**Cc:** baseball@centergate.com  
**Subject:** [DNS Inside Baseball 2017] Nominations

My colleague Puneet Sood <[puneets@google.com](mailto:puneets@google.com)>, who attended the meeting in San Francisco last October, would like to attend again this year (if possible, depending on date and location). I recall asking during the meeting about adding him to this list, but it seems to have somewhat slipped through the cracks and it didn't happen. At any rate, if there are no objections, I hope it would be possible to add him to this mailing list.

I supported the nomination after last year's meeting to add Brian Hartvigsen from OpenDNS, and was glad to see that either he or someone else from OpenDNS/Umbrella is likely to attend this year's event. Since last year's meeting there have been several new entrants in the public resolver area. CloudFlare is already represented, but I would also suggest that we invite someone from Quad9 as well; John Todd <[jtodd@quad9.net](mailto:jtodd@quad9.net)> would be the most likely choice.

---

Alexander Dupuy | Software Engineer | [alexdupuy@google.com](mailto:alexdupuy@google.com) | +1 646-462-3568

## Virgil, Franchesca

---

**From:** anti-s@ncfta.net on behalf of Rodney Joffe via anti-s <anti-s@ncfta.net>  
**Sent:** Thursday, September 19, 2019 1:28 AM  
**To:** anti-s@ncfta.net  
**Cc:** Rodney Joffe  
**Subject:** [anti-s] Any from Australian Federal Police around theses days?

I haven't seen a roster in a while so checking directly..

Rodney

-----  
Information posted to anti-s is highly confidential and should not be re-posted anywhere without permission of the original author.  
-----



From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Tuesday, January 9, 2018 9:14:04 PM  
To: Demar, Jeremy <jdemar3@gatech.edu>; DeJong, Steve <Steve.DeJong@team.neustar>  
CC: Joffe, Rodney <Rodney.Joffe@team.neustar>; Roosenraad, Chris <Chris.Roosenraad@team.neustar>  
Subject: Re: Historic data

Guys, I need the TDL and SLD data shipped as agreed upon. It has been months since we transition from the Internet2 link to the slower connection and promised have been made that the data will be arriving soon at GT. This was the only reason I agreed to move to the slower link.

What is going on? Why Nuestar is exposing me in such a way in the event of an audit from AFRL?

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4DFD 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Demar, Jeremy  
Sent: Tuesday, January 9, 2018 3:44:34 PM  
To: DeJong, Steve  
Cc: Antonakakis, Manos  
Subject: Re: Historic data

Steve,

Any update on this? I was hoping to have a plan in place early this month.

Thanks,  
Jeremy

On 01/04/2018 07:01 AM, Jeremy Demar wrote:

> Steve,  
>  
> I sent this to you over the holidays and was planning to follow up next  
> week if I hadn't heard anything. Manos mentioned the "snikernet" for  
> historic data in the email about the data processing backlog.  
>  
> Do you have any idea what the timeline for starting this looks like?  
>  
> Thanks,  
> Jeremy  
>  
> On 12/14/2017 09:14 AM, Jeremy Demar wrote:  
>> Steve,  
>>  
>> With the end of year approaching we are going over all of our data  
>> partners and working on our plans for the near future.  
>>  
>> One of the open questions we have with Neustar is the plans for the  
>> historic data. Manos has indicated that he has discussed the  
>> possibility of Neustar shipping the historic data (Recursive, TLD, and  
>> SLD) to Georgia Tech on hardware, or send it via "sneakernet" as Manos  
>> is fond of saying.

>>

>> I was hoping that we could discuss and agree on a timeline for this  
>> happening. If you would like to setup a call or discuss this on slack  
>> or some other method just let me know.

>>

>> Thank you,  
>> Jeremy Demar

>>

From: Manos Antonakakis <manos@gatech.edu>  
Sent on: Friday, March 16, 2018 3:31:29 AM  
To: Angelos D. Keromytis [REDACTED] >  
Subject: Re: hmm  
Attachments: ATT00001 (12 Bytes), msg.asc (2.73 KB)

From: Manos Antonakakis <manos@gatech.edu>

Sent on: Friday, March 16, 2018 3:15:30 AM

To: Angelos D. Keromytis [REDACTED]

Subject: Re: hmm

Attachments: ATT00001 (12 Bytes), msg.asc (3.5 KB)

From: Manos Antonakakis <manos@gatech.edu>

Sent on: Friday, March 16, 2018 3:10:45 AM

To: Angelos D. Keromytis [REDACTED]

Subject: Re: hmm

Attachments: ATT00001 (12 Bytes), msg.asc (2.57 KB)

From: Angelos D. Keromytis <[REDACTED]>

Sent on: Friday, March 16, 2018 3:09:51 AM

To: Manos Antonakakis <manos@gatech.edu>

Subject: Re: hmm

Attachments: PGP/MIME Versions Identification (12 Bytes), encrypted.asc (3.29 KB)

From: Manos Antonakakis <manos@gatech.edu>  
Sent on: Friday, March 16, 2018 3:09:01 AM  
To: Angelos D. Keromytis [REDACTED] >  
Subject: Re: hmm  
Attachments: ATT00001 (12 Bytes), msg.asc (2.73 KB)

From: Angelos D. Keromytis <[REDACTED]>

Sent on: Friday, March 16, 2018 3:06:14 AM

To: Manos Antonakakis <manos@gatech.edu>

Subject: Re: hmm

Attachments: PGP/MIME Versions Identification (12 Bytes), encrypted.asc (3.66 KB)



From: Manos Antonakakis <manos@gatech.edu>

Sent on: Friday, March 16, 2018 3:01:41 AM

To: Angelos D. Keromytis [REDACTED]

Subject: Re: hmm

Attachments: ATT00001 (12 Bytes), msg.asc (2.99 KB)

From: Angelos D. Keromytis <[REDACTED]>

Sent on: Friday, March 16, 2018 2:58:32 AM

To: Manos Antonakakis <manos@gatech.edu>

Subject: Re: hmm

Attachments: PGP/MIME Versions Identification (12 Bytes), encrypted.asc (3.92 KB)

From: Manos Antonakakis <manos@gatech.edu>  
Sent on: Friday, March 16, 2018 2:55:23 AM  
To: Angelos D. Keromytis <[REDACTED]>  
Subject: Re: hmm  
Attachments: ATT00001 (12 Bytes), msg.asc (3.16 KB)

From: Angelos D. Keromytis <angelos@keromytis.com>

Sent on: Friday, March 16, 2018 3:33:03 AM

To: Manos Antonakakis <manos@gatech.edu>

Subject: Re: hmm

Attachments: PGP/MIME Versions Identification (12 Bytes), encrypted.asc (3.25 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, April 18, 2018 7:44:01 PM  
To: Smith, Jonathan <jonathan.smith@darpa.mil>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: I'll be available after 5PM.

Sorry, JMS. Just saw your email. I will be available all evening.

Please note that tomorrow I will go in for the extraction of my wisdom teeth. I am not sure when and in what condition I will be after this.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Smith, Jonathan <jonathan.smith@darpa.mil>  
Sent: Wednesday, April 18, 2018 2:24:23 PM  
To: Antonakakis, Manos  
Cc: Keromytis, Angelos  
Subject: I'll be available after 5PM.

-JMS

Jonathan M. Smith  
Jonathan.Smith@darpa.mil  
T: 703.526.4176; C: 571.481.7228

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, April 26, 2018 3:08:11 AM

To: Antonakakis, Manos <manos@gatech.edu>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, April 26, 2018 3:08:11 AM

Subject: Re: Info

Attachments: Nameless.txt (13.14 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Sunday, January 28, 2018 5:51:35 PM  
To: Konstantinos Karakatsanis <[REDACTED]>; Kintis, Panagiotis <kintis@gatech.edu>  
CC: Angelos D. Keromytis <[REDACTED]>  
Subject: Re: Interest for PhD position

Pano, make some time to chat with Konstantino. He wants to know how is the PhD life in the states (and more particularly in ATL).

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Antonakakis, Manos  
Sent: Sunday, January 28, 2018 10:50 AM  
To: Konstantinos Karakatsanis; Angelos D. Keromytis  
Subject: Re: Interest for PhD position

Konstantine, can you give me a quick skype call [REDACTED]?

Thanks,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Konstantinos Karakatsanis <[REDACTED]>  
Sent: Sunday, January 28, 2018 10:38:37 AM  
To: Angelos D. Keromytis; Antonakakis, Manos  
Subject: Interest for PhD position

Dear Prof. Keromytis and Prof. Antonakakis,

I am Konstantinos Karakatsanis and I am writing to you because I am interested in the PhD in Electrical and Computer Engineering program of the ECE school at Georgia Tech and I would like to be co-advised by both of you as I feel that my research interests fit your research areas. More specifically, I am interested in Software Engineering and how to build secure and reliable software systems. In addition, in our days where big data and social media overwhelm us, I am very interested in how to protect these data and people's privacy. Finally, I am interested in internet of vehicles' (IoV) security and privacy, which is more crucial than ever with the advent of autonomous cars.

I have completed my undergraduate studies at the Department of Management Science and Technology (DMST) of the Athens University of Economics and Business (AUEB). During my studies, I specialized in "Operations Research & Management Science" (major) and in "Information Systems & Technologies" (minor) and upon completion of my studies, I ranked 2nd among a graduate class of 51 students (top 4%), with GPA 8.64/10. Until now, I had the opportunity, to work in both the academic and the business environment. Within the academia, I have done research in the fields of Computer Science, Economics and E-Commerce, and I have experience as teaching assistant. Some significant contributions I had during my studies were my contribution to NetworkX <<https://github.com/Overriders/networkx>>, which won the Best

Work Award for the course "Advanced Topics in Software Engineering", and my contribution to web-bus <<https://github.com/theosotr/web-bus>>, which was presented by me in the 2015 DMST Student Conference. In the business environment, I have worked for about one and a half year at Money Market S.A., where I created and run effectively the startup company energy-market.gr <<http://energy-market.gr/>>.

I attach to you a short resume of mine.

At your disposal for any additional information or clarification.

Yours sincerely,  
Konstantinos Karakatsanis

<https://ipmcdn.avast.com/images/icons/icon-envelope-tick-round-orange-animated-no-repeat-v1.gif> <[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=webmail&utm\\_term=icon](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=webmail&utm_term=icon)> Virus-free. www.avast.com <[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=webmail&utm\\_term=link](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=webmail&utm_term=link)>



From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, February 1, 2018 8:20:20 PM  
To: Angelos D. Keromytis [REDACTED] >  
Subject: Re: Interest for PhD position

Yup. Safe flights.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Angelos D. Keromytis [REDACTED]  
Sent: Thursday, February 1, 2018 3:19:39 PM  
To: Antonakakis, Manos  
Subject: Re: Interest for PhD position

I'm about to get on a plane. I'll try you tomorrow?

> On Feb 1, 2018, at 15:05, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Arxige, gia give me a call to chat about this for 5 minutes. Panos talked to him and there are some red flags.

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Konstantinos Karakatsanis <[REDACTED]>  
> Sent: Tuesday, January 30, 2018 2:19 AM  
> To: Kintis, Panagiotis  
> Cc: Antonakakis, Manos; Angelos D. Keromytis  
> Subject: Re: Interest for PhD position

> Hello Panagioti,

> We may chat over signal. My number is [REDACTED]

> Στις 29 Ιαν 2018 17:02, ο χρήστης "Kintis, Panagiotis" <kintis@gatech.edu<mailto:kintis@gatech.edu>> έγραψε:  
> Sure, no problem. I can figure something out! Let me know and we can talk then. By the way, if it's easier for you to chat over Viber, What's App, Telegram, Signal, etc I'm available at [REDACTED]

> Thank you,

>  
> Panagiotis (Panos), Kintis.  
> <http://about.me/kintis>  
> kintis@gatech.edu<mailto:kintis@gatech.edu>

> P Think before you print!

>  
> On Jan 29, 2018, at 09:28, Konstantinos Karakatsanis <[REDACTED]>

wrote:

>

> Nice to meet you too Panagioti,

>

> I am in the army, so I do not have a fixed schedule. I believe that we could talk one of the days you proposed between 20:00 and 22:00 (UTC+02:00, Greek time). I will be sure for the exact time and my availability on the same day around 15:00 (UTC+02:00 Greek time). May I notify you at this time or is it too late?

>

> My skype name is dinoskarakas.

>

> Yours sincerely,

> Konstantinos Karakatsanis

>

**From:** Antonakakis, Manos<manos@gatech.edu>  
**Sent on:** Wednesday, August 16, 2017 11:14:19 PM  
**To:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**CC:** mikef@kududyn.com; Patel, Tejas (contr-i2o)<tejas.patel.ctr@darpa.mil>  
**Subject:** Re: interesting article

Ground truth in attribution exercises is rare but very welcome information.

---

Typos due to mobile device ...

On Aug 16, 2017, at 17:39, Keromytis, Angelos <[angelos.keromytis@darpa.mil](mailto:angelos.keromytis@darpa.mil)> wrote:

<https://mobile.nytimes.com/2017/08/16/world/europe/russia-ukraine-malware-hacking-witness.html?>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, November 2, 2017 6:49:48 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: Re: interesting article  
Attachments: EA.gif (1.88 MB)

This gif summarizes what we are capable of doing!

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
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---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Thursday, November 2, 2017 1:45:20 PM  
To: Antonakakis, Manos  
Cc: Patel, Tejas (contr-i2o)  
Subject: interesting article

<https://www.washingtonpost.com/news/the-switch/wp/2017/11/02/what-is-giwi-and-how-is-it-related-to-russian-election-ads/>

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Friday, July 14, 2017 3:32:31 PM

To: Antonakakis, Emmanouil K <manos@gatech.edu>

CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Friday, July 14, 2017 3:32:31 PM

Subject: Re: Interesting Attribution Test

Attachments: Nameless.txt (2.15 KB)

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Sunday, April 29, 2018 3:07:23 PM  
**To:** Tejas Patel<tejas@kududyn.com>  
**CC:** Antonakakis, Manos<manos@gatech.edu>; Schneck, Christopher (contr-i2o)<christopher.schneck.ctr@darpa.mil>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Sunday, April 29, 2018 3:07:22 PM  
**Subject:** Re: Interesting talk  
**Attachments:** Nameless.txt (1.09 KB)

Yes, I did say "as far as EA is concerned".

On Apr 29, 2018, at 10:27, Tejas Patel <[tejas@kududyn.com](mailto:tejas@kududyn.com)> wrote:

He does make a comment about "unless you are at one of the three letter agencies down the road..."

I see him looking at it from the perspective of what his company can do that is meaningful (i.e. Charge customers).

Get [Outlook for iOS](#)

**From:** Keromytis, Angelos <[angelos.keromytis@darpa.mil](mailto:angelos.keromytis@darpa.mil)>

**Sent:** Sunday, April 29, 2018 10:25:53 AM

**To:** Antonakakis, Manos

**Cc:** [tejas@kududyn.com](mailto:tejas@kududyn.com); Schneck, Christopher (contr-i2o)

**Subject:** Re: Interesting talk

Wow...I watched the first 10 minutes, and I think I disagreed with almost every other point he made, as far as EA is concerned :)

> On Apr 29, 2018, at 08:16, Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)> wrote:

>

> [https://www.youtube.com/watch?v=u-j4KP\\_Is1Q](https://www.youtube.com/watch?v=u-j4KP_Is1Q)

>

> Do not agree with all he talked about, but he makes several points that are valid.

>

> —

> Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Sunday, April 29, 2018 2:25:53 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: tejas@kududyn.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Sunday, April 29, 2018 2:25:52 PM

Subject: Re: Interesting talk

Attachments: Nameless.txt (493 Bytes)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Sunday, April 29, 2018 3:28:03 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: tejas@kududyn.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>  
Subject: Re: Interesting talk

Yes, he has a fundamental confusion on what attribution is. However, the way he tracks TTPs is interesting.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Sent: Sunday, April 29, 2018 10:25:53 AM  
To: Antonakakis, Manos  
Cc: tejas@kududyn.com; Schneck, Christopher (contr-i2o)  
Subject: Re: Interesting talk

Wow...I watched the first 10 minutes, and I think I disagreed with almost every other point he made, as far as EA is concerned :)

> On Apr 29, 2018, at 08:16, Antonakakis, Manos <manos@gatech.edu> wrote:  
>  
> [https://www.youtube.com/watch?v=u-j4KP\\_Is1Q](https://www.youtube.com/watch?v=u-j4KP_Is1Q)  
>  
> Do not agree with all he talked about, but he makes several points that are valid.  
>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Sunday, April 29, 2018 3:08:23 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: tejas@kududyn.com; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Sunday, April 29, 2018 3:08:22 PM

Subject: Re: Interesting talk

Attachments: Nameless.txt (1.12 KB)

**From:** Antonakakis, Manos<manos@gatech.edu>  
**Sent on:** Thursday, April 12, 2018 4:51:45 PM  
**To:** Hook, Lisa<lisa.hook@team.neustar>  
**CC:** Michael Sussmann<MSussmann@perkinscoie.com>; Joffe, Rodney<Rodney.Joffe@team.neustar>  
**Subject:** Re: Intro

Lisa, I just boarded a flight to DC, where I will spend the rest of my day with meetings at DARPA. Tomorrow, my entire day will be spent at the HACCS kickoff meeting where I will be presenting the 4 years research agenda of the program.

Michael, nice to meet you. I can get on a call today between 17.00 and 18.00, tomorrow after 20.00 and over the weekend anytime you want. All times are EST.

To be totally honest, I would like to clarify what the request is here as a first step. What I sent Rodney was discoveries of malicious activities in the AU networks as part of technology we are creating for the USG. This is not technology that is related with Neustar — beyond the fact that we used your data.

Could Neustar offer something similar? Sure, since you have the data. :) However, what GT is doing (the technology we are generating) is for the USG (DoD to be precise).

Thanks and hopefully this message clarifies things a bit.

Manos

---

Typos due to mobile device ...

On Apr 12, 2018, at 11:39, Hook, Lisa <[lisa.hook@team.neustar](mailto:lisa.hook@team.neustar)> wrote:

Manos meet Michael,

Michael is our longtime outside counsel on national security and other issues. He is working with Rodney on a proposal to provide analytics similar to what you are doing in Australia.

Rodney is closed off right now and Michael needs someone to speak to for more details on the service we provide so he can write up a proposal.

Hoping you two can jump on the phone asap.

Thanks -- Lisa

Lisa A. Hook

Neustar Inc/ President & Chief Executive Officer

120 SW 8th Street, Miami FL 33130

Office: 571.434.5630 Mobile: 202.907.5672 [lisa.hook@team.neustar](mailto:lisa.hook@team.neustar)/[www.neustar.biz](http://www.neustar.biz)

From: Rodney Joffe <rjoffe@packetforensics.com>

Sent on: Friday, August 2, 2019 4:24:17 PM

To: Ashfia Rahman <asrahma@microsoft.com>

CC: Lily Kim <Lily.Kim@microsoft.com>; Manos Antonakakis <manos@gatech.edu>; William Chappell <William.Chappell@microsoft.com>; Kirk McConnell <Kirk\_McConnell@armed-services.senate.gov>; Victor Oppleman <victor@packetforensics.com>; Christian Cook <Christian.Cook@microsoft.com>; Lisa Patel <lpatel@centergate.com>

Subject: Re: introduction

Any chance we can make this 4pm?

> On Aug 2, 2019, at 11:21 AM, Ashfia Rahman <asrahma@microsoft.com> wrote:

>

> Hi Rodney,

>

> Invite has been sent for today, 8/2 at 3:30pm EST

>

> Let me know if you don't see the invite on your calendar.

>

> Thanks,

> Ashfia

>

> -----Original Message-----

> From: Rodney Joffe <rjoffe@packetforensics.com>

> Sent: Thursday, August 1, 2019 9:18 PM

> To: Ashfia Rahman <asrahma@microsoft.com>

> Cc: Lily Kim <Lily.Kim@microsoft.com>; Manos Antonakakis <manos@gatech.edu>; William Chappell <William.Chappell@microsoft.com>; Kirk McConnell <Kirk\_McConnell@armed-services.senate.gov>; Victor Oppleman <victor@packetforensics.com>; Christian Cook <Christian.Cook@microsoft.com>; Lisa Patel <lpatel@centergate.com>

> Subject: Re: introduction

>

> Hi Ashfia,

>

> Did you identify a slot where Lily is available for tomorrow?

>

> Thanks

> Rodney

>

>

>> On Jul 30, 2019, at 10:15 PM, Lily Kim <Lily.Kim@microsoft.com> wrote:

>>

>> Hi Manos,

>>

>> I believe I can make Friday work ☐☐. @Ashfia Rahman- can you please help with scheduling? We can start w/ 30 min.

>>

>> @William Chappell- would be good for you to attend as well if you are free.

>>

>> Thanks team!

>>

>> -----Original Message-----

>> From: Antonakakis, Manos <manos@gatech.edu>

>> Sent: Tuesday, July 30, 2019 9:17 PM

>> To: Rodney Joffe <rjoffe@packetforensics.com>; Lily Kim <Lily.Kim@microsoft.com>

>> Cc: Kirk McConnell <Kirk\_McConnell@armed-services.senate.gov>; Victor Oppleman <victor@packetforensics.com>; Ashfia Rahman <asrahma@microsoft.com>; Christian Cook <Christian.Cook@microsoft.com>; Lisa Patel <lpatel@centergate.com>

>> Subject: Re: introduction

>>

>> Kirk, thanks for the intros.

>>

>> Lily, pleased to meet you!

>>

>> This Friday works for me. The week after the next I will be hosting a hackathon at GT for DARPA, so my schedule will be less flexible. If you come up with a date, I will try to make it work but I cannot promise that I will be able to.

>>

>> Many thanks,

>>

>> --

>> Manos Antonakakis | Associate Professor | [manos@gatech.edu](mailto:manos@gatech.edu) School of Electrical and Computer Engineering Georgia Institute of Technology FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

From: Rodney Joffe <rjoffe@packetforensics.com>

Sent on: Wednesday, July 31, 2019 1:41:51 AM

To: Lily Kim <Lily.Kim@microsoft.com>

CC: Kirk McConnell <Kirk\_McConnell@armed-services.senate.gov>; Victor Oppleman <victor@packetforensics.com>;

Manos Antonakakis <manos@gatech.edu>; Ashfia Rahman <asrahma@microsoft.com>; Christian Cook

<Christian.Cook@microsoft.com>; Lisa Patel <lpatel@centergate.com>

Subject: Re: introduction

Hi Lily,

Pleased to eMeet you. And Kirk, many thanks for the introduction.

Lily, we'd be happy to talk with you whenever our schedules match :-). I can speak for Vic and myself. I'm most available Friday of this week. Next week I am at BlackHat... but back and available the following week. Also happy to meet in person (although Manos is in Atlanta). Where in the DC area are you located? @Lisa Patel can coordinate from my side.

Regards

Rodney

> On Jul 29, 2019, at 7:42 PM, Lily Kim <Lily.Kim@microsoft.com> wrote:

>

> Thanks for the intro Kirk!

>

> Vic/Rodney/Manos- would love to do a quick call to introduce myself and learn more about your capabilities.

>

> If you are interested- @Ashfia Rahman/@Christian Cook can help schedule.

>

> Many thanks, Lily

>

> From: McConnell, Kirk (Armed Services) <Kirk\_McConnell@armed-services.senate.gov>

> Sent: Monday, July 29, 2019 7:35 PM

> To: Victor Oppleman <victor@packetforensics.com>; Rodney Joffe <rjoffe@packetforensics.com>; Antonakakis Manos (manos@gatech.edu) <manos@gatech.edu>; Lily Kim <Lily.Kim@microsoft.com>

> Subject: introduction

>

> Vic/Rodney/Manos – introducing you to Lily Kim, who runs Microsoft Azure's government operations. Lily worked in the DoD CIO's office supporting the Principal Cyber Adviser for a bunch of years, which is where we first met. Lily is interested in the idea of developing a proposal for the DoD Joint Artificial Intelligence Center (JAIC) to apply AI algorithms to massive amounts of metadata collected both inside and outside DoD's networks. DoD is already collecting a lot of internal metadata through a program called the Big Data Platform. But as you guys know all too well, things are just beginning to happen with respect to metadata collection and analysis outside of the DODIN. Your Enhanced Attribution program is the groundbreaking initiative, but as you guys also know, we need to be collecting flow data and a lot of pertinent "ad tech"-types of data as well. And then we also need to apply AI/ML technology on top. It makes sense ultimately to run an operation like this on top of a hyperscale cloud like Azure. Lily is interested in thinking about how to do that. Best, Kirk

From: Rodney Joffe <rjoffe@packetforensics.com>

Sent on: Friday, August 2, 2019 5:50:00 PM

To: Ashfia Rahman <asrahma@microsoft.com>

CC: Manos Antonakakis <manos@gatech.edu>; William Chappell <William.Chappell@microsoft.com>; Victor Oppleman <victor@packetforensics.com>; Christian Cook <Christian.Cook@microsoft.com>; Lisa Patel <lpatel@centergate.com>

Subject: Re: introduction

Thank you Ashfia. 4pm

> On Aug 2, 2019, at 12:46 PM, Ashfia Rahman <asrahma@microsoft.com> wrote:

>

> Thanks,

>

> Updated time to 4pm EST today.

>

>

>

> -----Original Message-----

> From: Antonakakis, Manos <manos@gatech.edu>

> Sent: Friday, August 2, 2019 12:42 PM

> To: Ashfia Rahman <asrahma@microsoft.com>; Rodney Joffe <rjoffe@packetforensics.com>; William Chappell <William.Chappell@microsoft.com>

> Cc: Victor Oppleman <victor@packetforensics.com>; Christian Cook <Christian.Cook@microsoft.com>; Lisa Patel <lpatel@centergate.com>

> Subject: Re: introduction

>

> On Fri, 2019-08-02 at 16:35 +0000, Ashfia Rahman wrote:

>> I can make 4pm work. Will it work for you @Manos Antonakakis ?

>

> Both slots work for me, yes.

>

> --

> Manos Antonakakis | Associate Professor | manos@gatech.edu School of Electrical and Computer Engineering Georgia Institute of Technology FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>

Sent on: Tuesday, November 6, 2018 4:45:09 PM

To: Stevens, Rock A MAJ USARMY 780 MI BDE (US) <rock.a.stevens.mil@mail.mil>; Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>; Schneck, Christopher J CTR (US) <christopher.schneck.ctr@darpa.mil>; Kline, Allison M CTR (US) <allison.kline.ctr@darpa.mil>; Smith, Jonathan <Jonathan.smith@darpa.mil>

Subject: Re: Introductions (UNCLASSIFIED)

Rock, always happy to help the good guys do their job better. :)

In order for me (and my team) to be able to keep doing this, I would very much appreciate if you keep in the loop Angelos and/or JMS (at the very least) on the way you plan to use the datasets provided to you by this case study (conducted for EA).

It is very important to treat with caution and ultimately protect our EA data sources. Miss-treatment of these data could have significant implications for entire program.

Many thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Stevens, Rock A MAJ USARMY 780 MI BDE (US) <rock.a.stevens.mil@mail.mil>

Sent: Tuesday, November 6, 2018 10:23:52 AM

To: Antonakakis, Manos; Keromytis, Angelos D CIV DARPA (US); Schneck, Christopher J CTR (US); Kline, Allison M CTR (US)

Subject: RE: Introductions (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Manos,

I cannot thank you enough for helping me better understand your research and its impact. I'm excited about our collective partnership together.

Sincerely,

Rock

Rock Stevens, MAJ, USA  
Director, Joint Mission Operations Center (JMOC) - Georgia |  
Chief, Cyber Solutions Development (CSD) - Georgia  
Comm: 706-849-4619 (DSN: 502) | NSTS: 681-8763  
S: rock.a.stevens.mil@mail.smil.mil | TS: rastev2@nsa.ic.gov

CLASSIFICATION: UNCLASSIFIED

From: Antonakakis, Manos <manos@gatech.edu>  
Sent on: Tuesday, May 1, 2018 2:46:44 PM  
To: Thomas X. Grasso, Jr. <tom@ncfta.net>  
CC: Keromytis, Angelos D CIV DARPA (US) <angelos.keromytis@darpa.mil>  
Subject: Re: Introductions and invitation to DARPA EA PI meeting

Angele, talked with Tom on the phone. He will be linking us with the right people. Let's see if they can attend.

Tom, many thanks for the call!

Thanks, Manos

---

Typos due to mobile device ...

> On May 1, 2018, at 09:35, Thomas X. Grasso, Jr. <tom@ncfta.net> wrote:

>

> Manos, sorry for the delay in responding to you. So I may not be the right guy for your meeting because I do not even know what "EA PI" is. I guess I need to get a clue. No matter, if you need FBI attendance we can get someone there. Let me know. Feel free to call if that is easier.

>

> Thanks.

>

>

> --Tom

>

>

> Thomas X. Grasso, Jr.

> Unit Chief

> Federal Bureau of Investigation

> Cyber Division

> Mobile: +1 724 814-6500

> ---

>

>

>

>

>> -----Original Message-----

>> From: Antonakakis, Manos [<mailto:manos@gatech.edu>]

>> Sent: Tuesday, April 24, 2018 7:51 PM

>> To: Thomas X. Grasso, Jr.

>> Cc: Keromytis, Angelos D CIV DARPA (US)

>> Subject: Introductions and invitation to DARPA EA PI meeting

>>

>> Hey Tom,

>>

>> Hope you are doing great!

>>

>> Allow me to introduce you to the DARPA PM Dr. Angelos Keromytis.

>> Angelos happens to be the PM from one of my projects with focus on

>> attack attribution.

>>

>> We are having the next PI meeting at Georgia Tech in Atlanta, June 8th.

>> We would be very happy to have you in this meeting, if you want to join

>> us. Angelos can give you more details about what we will be talking

>> about if you ping him on the classified network.



>>

>> Many thanks!

>>

>> -

>> Manos Antonakakis | manos@gatech.edu

>> Georgia Institute of Technology

>> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_

>

> NOTICE: The National Cyber Forensics and Training Alliance (NCFTA) is a non-profit corporation dedicated to facilitating collaboration and information sharing between private industry, academia, and the law enforcement / intelligence community in order to efficiently research computer crimes and improve network security. This electronic mail message was sent by an employee of the FBI collocated at the NCFTA. FBI staff collocated with the NCFTA are not employed by the NCFTA and are not representatives of that organization.

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, May 2, 2018 2:16:20 PM

To: Thomas X. Grasso, Jr. <tom@ncfta.net>

CC: Antonakakis, Manos <manos@gatech.edu>; mjmckeown@fbi.gov; wdware@fbi.gov; chunt@fbi.gov; Schneck, Christopher (contr-i2o) <christopher.schneck.ctr@darpa.mil>; Maddern, Thomas (contr-i2o) <Thomas.Maddern.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, May 2, 2018 2:10:50 PM

Subject: Re: Introductions and invitation to DARPA EA PI meeting

Attachments: Nameless.txt (4.06 KB)

From: Rodney Joffe <rjoffe@centergate.com>

Sent on: Friday, April 13, 2018 4:49:53 PM

To: [REDACTED]

Subject: Re: Intros

Hey Scott,

Good to meet you via Manos (moved to bcc).

Let me know when and where ;-)

Regards

Rodney

> On Apr 13, 2018, at 11:03 AM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Scott please meet Rodney. Rodney, please meet Scott. You two are local, and I think you should get together for lunch or dinner.

>

> Thanks, Manos

>

> ---

> Typos due to mobile device ...

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, April 18, 2018 2:02:15 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Garrison, William R <wgarrison7@gatech.edu>; Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, April 18, 2018 2:02:14 PM

Subject: Re: Intros, web portal and data

Attachments: Nameless.txt (3.79 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Wednesday, April 18, 2018 1:59:00 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Garrison, William R <wgarrison7@gatech.edu>; Smith, Jonathan <jonathan.smith@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Wednesday, April 18, 2018 1:58:59 PM

Subject: Re: Intros, web portal and data

Attachments: Nameless.txt (3.03 KB)

From: Angelos D. Keromytis [REDACTED] >  
Sent on: Thursday, June 28, 2018 10:23:06 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Subject: Re: Invitation to Participate in the Association of the United States Army's Institute of Land Warfare (AUSA ILW) Army Cyber and Networks Hot Topic Symposium on Thursday, August 2, 2018

Nope (although they may have gotten your name through/because of the work with DARPA - not that it matters).

Looks like the topic has nothing to do with EA/HACCS, so no reason to mention those (if you decide to go, which I encourage you to do if just for the networking).

-Angelos

> On Jun 28, 2018, at 14:28, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> This has nothing to do with something you are working on, right?

>  
> —

> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Guy C. Swan <GSwan@AUSA.ORG>

> Sent: Thursday, June 28, 2018 2:16 PM  
> To: joseph.p.mcgee2.mil@mail.mil; jeffrey.sorenson@atkearneysds.com; thomas.c.seamands.mil@mail.mil;  
Antonakakis, Manos; manos@antonakakis.org; apaller@sans.org; DGilbertson@sans.org  
> Cc: Lori Wulf; Vandermaarel, Cathy B CIV USARMY ARCYBER (US); nicholas.a.azzolini.mil@mail.mil;  
karmin.ng2.mil@mail.mil

> Subject: Invitation to Participate in the Association of the United States Army's Institute of Land Warfare (AUSA ILW) Army Cyber and Networks Hot Topic Symposium on Thursday, August 2, 2018

>  
> BG Joseph P. "JP" McGee, United States Army, Deputy Commanding General (Operations), United States Army Cyber Command  
> LTG Jeffrey Sorenson, United States Army Retired, Partner and President, A.T. Kearney Public Sector & Defense Services, LLC  
> LTG Thomas C. Seamands, United States Army, Deputy Chief of Staff, G-1, United States Army  
> Dr. Manos Antonakakis, Ph.D., Associate Director - Attribution, Institute for Information Security & Privacy, and Associate Professor, School of Electrical & Computer Engineering, Georgia Institute of Technology  
> Mr. Alan Paller, Research Director and Founder, SANS Institute

>  
>  
> Gentlemen,

>  
> Planning is well underway for the 2017 Association of the United States Army's Institute of Land Warfare (AUSA ILW) Army Cyber and Networks Hot Topic Symposium to be held Thursday, August 2, 2018 at the General Gordon R. Sullivan Conference Center at 2425 Wilson Boulevard, Arlington VA 22201. Our AUSA "Hot Topics" symposiums continue to be well-received professional development forums as well as an opportunity for broader audiences to understand issues of major importance to the Army.

>  
> On behalf of General Carter F. Ham, the president of AUSA, I would like to ask you to participate in this forum.

>  
> The theme for this year's symposium is "Cyberspace, the Army Network, and Multi Domain Operations." The cyber domain remains a contested environment and one that directly effects the Army network. The warfighter today needs to understand, defend, and exploit this environment in order to win on the multi-domain battlefield.

>

> The 2018 AUSA ILW Army Cyber and Networks Hot Topic's main objective is to bring together leaders from both inside and outside the Army to discuss cyber operations and their strategic impact in the modern world. This focused one-day event will include participation from the Commanding General of the United States Army Cyber Command (ARCYBER), representatives from United States Cyber Command (USCYBERCOM), the Army CIO/G-6, the Office of the Secretary of Defense (OSD), the Joint Force, industry, academia, and think tanks. Additional information can be found at the forum website at <https://www.ausa.org/events/army-cyber-networks-hot-topic>.

>

> Specifically, I would like to ask you to serve as a Subject Matter Expert for the panel entitled "Talent Management: Recruiting and Retaining Military and Civilian Cyber Talent."

>

> We are inviting BG Joseph P. "JP" McGee, United States Army, Deputy Commanding General (Operations), United States Army Cyber Command, to serve as the panel chair and LTG Jeffrey Sorenson, United States Army Retired, Partner and President, A.T. Kearney Public Sector & Defense Services, LLC, to serve as the panel moderator.

>

> Let me or Lori Wulf at [lwulf@ausa.org](mailto:lwulf@ausa.org) <<mailto:lwulf@ausa.org>> or 703-907-2923 know if you can do this. Please do not hesitate to call if we can provide additional details.

>

> Thank you and see you soon.

>

> Guy

>

>

> GUY C. SWAN III

> Lieutenant General, U.S. Army, Retired

> Vice President

> Association of the United States Army

> 2425 Wilson Boulevard | Arlington, Virginia 22201

> Office: 703-907-2626 | Mobile: 571-278-1757

> [gswan@ausa.org](mailto:gswan@ausa.org) <<mailto:gswan@ausa.org>> | [www.ausa.org](http://www.ausa.org) <<http://www.ausa.org/>>

> [www.facebook.com/AUSA.org](http://www.facebook.com/AUSA.org) <<http://www.facebook.com/AUSA.org>>

>

> [AUSA]

>

From: Rodney Joffe <rjoffe@centergate.com>

Sent on: Saturday, June 30, 2018 5:29:24 AM

To: Antonakakis, Manos <manos@gatech.edu>

Subject: Re: Invitation to Participate in the Association of the United States Army's Institute of Land Warfare (AUSA ILW) Army Cyber and Networks Hot Topic Symposium on Thursday, August 2, 2018

I think that this is a great opportunity for you to expand your brand and make yourself visible. I know many of the people.

> On Jun 28, 2018, at 7:29 PM, Antonakakis, Manos <manos@gatech.edu> wrote:

>

> Do you think this worth my time?

>

> —

> Manos Antonakakis | manos@gatech.edu

> Georgia Institute of Technology

> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>

> \_\_\_\_\_

> From: Guy C. Swan <GSwan@AUSA.ORG>

> Sent: Thursday, June 28, 2018 2:16 PM

> To: joseph.p.mcgee2.mil@mail.mil; jeffrey.sorenson@atkearneypsds.com; thomas.c.seamands.mil@mail.mil;

Antonakakis, Manos; manos@antonakakis.org; apaller@sans.org; DGilbertson@sans.org

> Cc: Lori Wulf; Vandermaarel, Cathy B CIV USARMY ARCYBER (US); nicholas.a.azzolini.mil@mail.mil;

karmin.ng2.mil@mail.mil

> Subject: Invitation to Participate in the Association of the United States Army's Institute of Land Warfare (AUSA ILW) Army Cyber and Networks Hot Topic Symposium on Thursday, August 2, 2018

>

> BG Joseph P. "JP" McGee, United States Army, Deputy Commanding General (Operations), United States Army Cyber Command

> LTG Jeffrey Sorenson, United States Army Retired, Partner and President, A.T. Kearney Public Sector & Defense Services, LLC

> LTG Thomas C. Seamands, United States Army, Deputy Chief of Staff, G-1, United States Army

> Dr. Manos Antonakakis, Ph.D., Associate Director - Attribution, Institute for Information Security & Privacy, and Associate Professor, School of Electrical & Computer Engineering, Georgia Institute of Technology

> Mr. Alan Paller, Research Director and Founder, SANS Institute

>

>

> Gentlemen,

>

> Planning is well underway for the 2017 Association of the United States Army's Institute of Land Warfare (AUSA ILW) Army Cyber and Networks Hot Topic Symposium to be held Thursday, August 2, 2018 at the General Gordon R. Sullivan Conference Center at 2425 Wilson Boulevard, Arlington VA 22201. Our AUSA "Hot Topics" symposiums continue to be well-received professional development forums as well as an opportunity for broader audiences to understand issues of major importance to the Army.

>

> On behalf of General Carter F. Ham, the president of AUSA, I would like to ask you to participate in this forum.

>

> The theme for this year's symposium is "Cyberspace, the Army Network, and Multi Domain Operations." The cyber domain remains a contested environment and one that directly effects the Army network. The warfighter today needs to understand, defend, and exploit this environment in order to win on the multi-domain battlefield.

>

> The 2018 AUSA ILW Army Cyber and Networks Hot Topic's main objective is to bring together leaders from both inside and outside the Army to discuss cyber operations and their strategic impact in the modern world. This focused one-day event will include participation from the Commanding General of the United States Army Cyber Command (ACYBER),



representatives from United States Cyber Command (USCYBERCOM), the Army CIO/G-6, the Office of the Secretary of Defense (OSD), the Joint Force, industry, academia, and think tanks. Additional information can be found at the forum website at <https://www.ausea.org/events/army-cyber-networks-hot-topic>.

>

> Specifically, I would like to ask you to serve as a Subject Matter Expert for the panel entitled "Talent Management: Recruiting and Retaining Military and Civilian Cyber Talent."

>

> We are inviting BG Joseph P. "JP" McGee, United States Army, Deputy Commanding General (Operations), United States Army Cyber Command, to serve as the panel chair and LTG Jeffrey Sorenson, United States Army Retired, Partner and President, A.T. Kearney Public Sector & Defense Services, LLC, to serve as the panel moderator.

>

> Let me or Lori Wulf at [lwulf@ausea.org](mailto:lwulf@ausea.org) <<mailto:lwulf@ausea.org>> or 703-907-2923 know if you can do this. Please do not hesitate to call if we can provide additional details.

>

> Thank you and see you soon.

>

> Guy

>

>

> GUY C. SWAN III

> Lieutenant General, U.S. Army, Retired

> Vice President

> Association of the United States Army

> 2425 Wilson Boulevard | Arlington, Virginia 22201

> Office: 703-907-2626 | Mobile: 571-278-1757

> [gswan@ausea.org](mailto:gswan@ausea.org) <<mailto:gswan@ausea.org>> | [www.ausea.org](http://www.ausea.org) <<http://www.ausea.org/>>

> [www.facebook.com/AUSA.org](http://www.facebook.com/AUSA.org) <<http://www.facebook.com/AUSA.org>>

>

> [AUSA]

>

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Saturday, January 6, 2018 5:45:03 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Saturday, January 6, 2018 5:45:03 PM

Subject: Re: loCs Active DNS reflection

Attachments: Nameless.txt (1.44 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, January 9, 2018 10:28:23 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, January 9, 2018 10:28:23 PM

Subject: Re: loCs Active DNS reflection

Attachments: Nameless.txt (2.96 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Thursday, April 26, 2018 6:30:15 PM  
To: Hall, John <John.Hall@team.neustar>  
CC: Joffe, Rodney <Rodney.Joffe@team.neustar>  
Subject: Re: Ip Intelligence for HACCS

Sure John, you can call me on the top of the hour.

Happy to help you out in any way I can. However, is DARPA aware that GT will need a 56% overhead on this, that is in order for you to get these \$3M, I will need to come up with an add-on for HACCS and a budget that is in the order of ~\$5.7M (just for this add-on)?

Are they OK with this?

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Hall, John <John.Hall@team.neustar>  
Sent: Thursday, April 26, 2018 1:25:40 PM  
To: Antonakakis, Manos  
Cc: Joffe, Rodney  
Subject: Ip Intelligence for HACCS

Hello Manos,

We were recently in with the HACCS Team in Arlington. We discussed a number of things, including strategies for procuring Neustar IP Intelligence for the program. Since we already have a contractual relationship with GTRC, we think that it would be ideal to work with your organization to fulfill this requirement. At a high level, we're proposing an unlimited 1 year license @ an annual subscription cost of \$3M. Let me know when you have a few minutes to discuss or if you'd like to delegate to your contracts team.

Thanks in advance

John W Hall  
Neustar, Inc. / Sr. Director – Federal Business  
[ T ] (571) 246-2407 [ E ] john.hall@neustar.biz

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From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, March 8, 2018 7:31:49 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: tejas@kududyn.com

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, March 8, 2018 7:31:47 PM

Subject: Re: Joint Analysis Report + NERC Alert

Attachments: Nameless.txt (1.53 KB)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, March 8, 2018 7:14:08 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: tejas@kududyn.com

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, March 8, 2018 7:14:06 PM

Subject: Re: Joint Analysis Report + NERC Alert

Attachments: Nameless.txt (1001 Bytes)

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, March 8, 2018 6:48:20 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: tejas@kududyn.com

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, March 8, 2018 6:48:18 PM

Subject: Re: Joint Analysis Report + NERC Alert

Attachments: Nameless.txt (470 Bytes)



From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Thursday, March 8, 2018 7:33:34 PM

To: Antonakakis, Manos <manos@gatech.edu>

CC: tejas@kududyn.com

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Thursday, March 8, 2018 7:33:32 PM

Subject: Re: Joint Analysis Report + NERC Alert

Attachments: Nameless.txt (2.13 KB)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, January 10, 2018 9:49:40 PM  
To: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
CC: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
Subject: Re: just for giggles

They should have attended our last site review meeting. Combosquatting rocks.

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

From: Antonakakis, Manos <manos@gatech.edu>  
Sent on: Thursday, January 11, 2018 3:56:17 AM  
To: Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil>  
CC: Keromytis, Angelos <angelos.keromytis@darpa.mil>  
Subject: Re: just for giggles

My surprise was not with Angelos, but with the DARPA mail server.

This has been reported, was in the news, and the mail server allowed the email with the link to fly out from a .mil address.

That is bad in so many levels.

---

Typos due to mobile device ...

> On Jan 10, 2018, at 22:47, Patel, Tejas (contr-i2o) <tejas.patel.ctr@darpa.mil> wrote:

>

> I got the link from a trusted source so I clicked on it. Last time I trust Angelos. It was a 403 Forbidden. Boo.

>

> -Tejas

From: Keromytis, Angelos <angelos.keromytis@darpa.mil>

Sent on: Tuesday, February 27, 2018 2:54:11 PM

To: Antonakakis, Manos <manos@gatech.edu>

Signed by: KEROMYTIS.ANGELOS.D.1501999799 on Tuesday, February 27, 2018 2:54:02 PM

Subject: Re: Just FYI

Attachments: Nameless.txt (695 Bytes)

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Wednesday, March 21, 2018 3:09:07 AM  
To: Angelos D. Keromytis [REDACTED]  
Subject: Re: kai aloga...

LOL.

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Angelos D. Keromytis [REDACTED]  
Sent: Tuesday, March 20, 2018 10:04:26 PM  
To: Antonakakis, Manos  
Subject: kai aloga...

<https://www.npr.org/2018/03/19/594839304/escaped-horses-clog-traffic-in-metro-atlanta?sc=tw>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>  
Sent on: Monday, October 1, 2018 7:28:03 PM  
To: Beyah, Raheem A <rbeyah@ece.gatech.edu>; □ □ [REDACTED]  
CC: Ahamad, Mustaque <mustaq@cc.gatech.edu>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; Blough, Douglas M <doug.blough@ece.gatech.edu>  
Subject: Re: letter to the administration

Wenke, since you will be revising the letter I would like to point out a couple of larger issues I had with the letter. Didn't brought them up for a number of reasons.

Let me second the point that Raheem brought up. I have no desire to create any problems to the huge effort that ECE/COE has put together so they can find space for me and Angelos. To my understanding this space is in Klaus, and it is final. To that end, I would kindly suggest that we try to work alongside this ECE/CEO effort and not against it. Vis-a-vis, any discussion about moving away from Klaus at this point looks like a moot point to me, and can only create problems to me and Angelos.

I suspect that Angelos is on the same page with me, but, I will let him speak for himself.

My second point, and in the larger theme of this letter, my suggestion would be that you do not confuse the "working good together" issue with the "we all need to be on the same space" issue. You can make a very strong case on the first -- all the great hard facts you pointed out --- and of course having all of us sign the letter. On the later issue, whatever you say (we say) is a wishful thinking and nothing more.

Having no doubt that we do work together well, I suspect, will open the door for securing space in Klaus for all of us down the road. I do not think we can achieve both with this letter.

Cheers,

—  
Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Beyah, Raheem A  
Sent: Monday, October 1, 2018 1:48:21 PM  
To: □ □  
Cc: Ahamad, Mustaque; Kim, Taesoo; Boldyreva, Alexandra; Vlad Kolesnikov; Antonakakis, Manos; Saltaformaggio, Brendan D; Keromytis, Angelos; Blough, Douglas M; Farrell, Michael D  
Subject: Re: letter to the administration

Wenke et al.,

I've reviewed the letter and I'm unable to sign it in its current form. I have several conflicts given the current roles I play in the administration. Also, the tone of the letter is a bit stronger than I feel comfortable with. I'm traveling back from Saudi Arabia and I have several critical items on my plate preventing me from taking a significant amount of time to revise the letter to a point where I feel comfortable. I will, however, send you a "clean" email stating that I think the CoC and ECE are working well together with research and teaching and that I support collocation of security faculty (you can use this as an addendum if you please). However, to be transparent, collocation would only work for me if we're in Klaus given my frequent meetings in Van Leer.

Best,

Raheem

On Sep 30, 2018, at 4:03 PM, Wenke Lee [REDACTED] > wrote:

Folks,

I just drafted a letter, and you have a link to revise and sign.  
Please get this done by Monday evening if possible.

It is about making everyone understand that the SCS and ECE security folks have been working together and will continue to prosper if the administration makes conscious efforts to support a collaborative environment, e.g., in space allocation and faculty hiring. I also slammed them for repeating rumors :-)

Wenke

<https://docs.google.com/document/d/10Pot7AG7sfJSm--uNtE69EvWB4PTKBk0EjwZBHO4298/edit?usp=sharing>

From: "Antonakakis, Manos" </O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7E6B0AFC581E477DB35A37C3A3A79AEB-ANTONAKAKIS>

Sent on: Tuesday, October 2, 2018 4:56:46 PM

To: □ □ >

CC: Vlad Kolesnikov >; Ahamad, Mustaque <mustaq@cc.gatech.edu>; Boldyreva, Alexandra <sasha@gatech.edu>; Saltaformaggio, Brendan D <brendan@ece.gatech.edu>; Farrell, Michael D <Michael.Farrell@gtri.gatech.edu>; Kim, Taesoo <taesoo@gatech.edu>; Keromytis, Angelos <angelos.keromytis@darpa.mil>; Blough, Douglas M <doug.blough@ece.gatech.edu>; Beyah, Raheem A <rbeyah@ece.gatech.edu>

Subject: Re: letter to the administration

Wenke, my point is that you can achieve both points (perhaps more effectively) without a letter if you have an honest discussion between the two units.

We are very successful as an area, we do not have to prove to anyone, anything. The numbers speak for them selves. We should not be in the business of writing letters refuting rumors.

If the goal is to honestly have CS and ECE working together longterm, you/Mustaque and Angelos/Raheem should have a discussion with the Chairs and tell them to come up with a strategy on space and faculty, so we can move forward with a single plan that serves all of us, the faculty. If the ECE and CS Chairs are on the same page, then this rumor holds no water. The only reason that this rumor has any merit at this point is because I suspect that the two units are not on the same page. Let's get them there.

Again, the letter will only give legitimacy to the rumors. Our position should be, we are not even going to spend time seriously looking at this as an allegation. We have more important things to do, like writing the next paper or winning the next grant together.

Thanks,

—

Manos Antonakakis | manos@gatech.edu  
Georgia Institute of Technology  
FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

---

From: Wenke Lee >

Sent: Tuesday, October 2, 2018 11:32:47 AM

To: Antonakakis, Manos

Cc: Vlad Kolesnikov; Ahamad, Mustaque; Boldyreva, Alexandra; Saltaformaggio, Brendan D; Farrell, Michael D; Kim, Taesoo; Keromytis, Angelos; Blough, Douglas M; Beyah, Raheem A

Subject: Re: letter to the administration

These two problems have been made intertwined: at least some people in the upper management have said "these two groups don't want to work together and therefore there is no need to allocate large space for them to be together" - that is what I referred to in the earlier version of the letter that we were put in a catch-22 situation (perhaps on purpose because other groups wanted all arguments they could find to grab more space for themselves).

The letter serves two purposes: 1) layout the facts of our collaboration to dispel the rumor (I personally preferred the stronger language of the earlier version, by quoting specifically what they said wrong). Saying nothing is not helping us because I first heard this rumor more than a year ago, I protested but as a group we didn't



say/write anything, now the rumor only gets repeated/intensified; why would this letter confirm the rumor? 2) encourage the chairs (and upper management if necessary) to hear the faculty (hence the letter and suggested meeting), not just two senior faculty members, that we want to be in the space, ideally Klaus ideally, and coordinate on faculty hiring - and such collaboration will put the rumor to rest.

The letter is really used as input from the faculty that the units and upper management should consider.

Wenke

On Tue, Oct 2, 2018 at 11:02 AM Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> It appears that there are two different problems hidden here and we are trying to solve them in a single shot. Looks very suboptimal to me.

>  
> The first problem is what happened in the CS faculty meeting, which I can only imagine was something along the lines "the two groups do not work well with each-other". If we need to clarify this point so the CS faculty can have the necessary power with their Chair, then we can address the letter to Lance and put this at rest once and for all.

>  
> Now, the second and most important problem, I think, has to do with longterm space allocation and faculty slots. The only way to achieve this is an unified message (to the upper management) between the two units (CS and ECE) on how we should grow security longterm. If the critics of this idea are in the upper management and if they believe the rumors about us, then this letter will only confirm the rumors. That is, if the rumors were not true, why the hell this letter needs to be written?

>  
> My point here is that if we want a winning solution to the second problem, we need to unofficially build consensus between the two units, and then officially go to the upper management with a single voice. IMHO, you do not build the consensus with such a letter. Have a meeting between the Chairs and two senior faculty (one from each unit) and work things out.

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Wenke Lee [redacted] >  
> Sent: Tuesday, October 2, 2018 9:48:05 AM  
> To: Vlad Kolesnikov  
> Cc: Ahamad, Mustaque; Boldyreva, Alexandra; Saltaformaggio, Brendan D; Farrell, Michael D; Kim, Taesoo; angelos.keromytis@darpa.mil; Blough, Douglas M; Antonakakis, Manos; Beyah, Raheem A  
> Subject: Re: letter to the administration

>  
> Yes, the letter can be used by the chairs to go up the chain if necessary. More immediately, it also applies pressure for the two chairs to work together to help us.

>  
> On Tue, Oct 2, 2018 at 9:10 AM Vlad Kolesnikov <[redacted]> wrote:

> My understanding is that having this letter allows chairs to bring it up the chain and more easily defeat the opinion that we don't like each other. Apparently that's a concern. We discussed it in CS faculty meeting, and agreed that a letter like that would be good ammunition to have should the need arise.

>  
> vlad  
>

> On Tue, Oct 2, 2018 at 9:02 AM Antonakakis, Manos <manos@gatech.edu<mailto:manos@gatech.edu>> wrote:  
> If "them" refers to people above the Chairs of ECE and CS, then having a meeting with Magnus and Lance is kind of  
> pointless. Both of them know already that the security faculty work together.  
>  
> At this point I am really confused of what is the goal of this letter. I was under the impression that the goal of this letter  
> was to clarify to the upper management ("them") that security people have no issue working together. Using this letter to  
> have Lance and Magnus have a meeting looks like a waist of time.  
>  
> They had meetings in the past, and the CS Chair want to have a say in what ECE is doing and who is doing it. That is not  
> something that simply will not fly --- sorry but it does not make any sense and it is kind of ridiculous.  
>  
> Folks, are we setting ourselves up for failure here?  
>  
> —  
> Manos Antonakakis | manos@gatech.edu <<mailto:manos@gatech.edu>>  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_  
> From: Wenke Lee [REDACTED]  
> Sent: Monday, October 1, 2018 10:54:03 PM  
> To: Keromytis, Angelos  
> Cc: Beyah, Raheem A; Ahamad, Mustaque; Kim, Taesoo; Boldyreva, Alexandra; Vlad Kolesnikov; Antonakakis, Manos;  
> Saltaformaggio, Brendan D; Blough, Douglas M; Farrell, Michael D  
> Subject: Re: letter to the administration  
>  
> On Mon, Oct 1, 2018 at 10:24 PM Keromytis, Angelos  
> <[angelos.keromytis@darpa.mil](mailto:angelos.keromytis@darpa.mil)<mailto:angelos.keromytis@darpa.mil>> wrote:  
> >  
> >  
> > 1. If the concrete suggestion is for Lance and Magnus to get together, why are we sending this all the way to the  
> Provost and the VP-R?  
> >  
> >  
> > We don't have to include folks all the way up - unless we later find  
> > out that Lance and Magnus can't work together. So, for now, I change  
> > it to address these two.  
> >  
> > 2. If we have a group meeting (with all the admin recipients?), what would we tell them that we can't tell them now? If  
> there is a specific agenda for said meeting, we should give at least a hint.  
> >  
> >  
> > I think the letter is clearer now - talk about mostly space and  
> > perhaps faculty hiring.  
> >  
> > 3. Rather than just sending the letter, may I suggest we sign it but then have two reps (one from CS, one from ECE?)  
> just sit down with each of the folks and discuss the topics? The letter would then act as "proof" of consensus/agreement,  
> should they be questioned as to representation.  
> >  
> > That is a good suggestion.  
> >  
> >  
> > Just sending a letter can make it an "us vs. them" situation, which could become counterproductive.  
> >  
> > "Them" was some people working under the Deans, Provost, and EVPR. I  
> > will figure out a better way to stop them.

>  
> > Cheers,  
> > -Angelos  
> >  
> >  
> > > On Oct 1, 2018, at 22:12, Wenke Lee [REDACTED] > wrote:  
> > >  
> > > I had just made another round of edits. Please take a look and let me  
> > > know what you think.  
> > >> On Mon, Oct 1, 2018 at 2:33 PM Wenke Lee [REDACTED] wrote:  
> > >>  
> > >> The letter is now much shorter and positive. Please take a look and  
> > >> let me know what you think. Thanks.  
> > >>  
> > >> Wenke  
> > >>> On Mon, Oct 1, 2018 at 1:54 PM Wenke Lee [REDACTED] > wrote:  
> > >>>  
> > >>> Thanks Raheem, and also Doug for similar concerns. I will revise the  
> > >>> letter to be much positive and specifically ask for meeting with  
> > >>> leadership. Please stay tuned.  
> > >>>  
> > >>> Wenke  
> > >>>> On Mon, Oct 1, 2018 at 1:48 PM Beyah, Raheem A  
<rbeyah@ece.gatech.edu<mailto:rbeyah@ece.gatech.edu>> > wrote:  
> > >>>>  
> > >>>> Wenke et al.,  
> > >>>>  
> > >>>> I've reviewed the letter and I'm unable to sign it in its current form. I have several conflicts given the current  
roles I play in the administration. Also, the tone of the letter is a bit stronger than I feel comfortable with. I'm traveling  
back from Saudi Arabia and I have several critical items on my plate preventing me from taking a significant amount of  
time to revise the letter to a point where I feel comfortable. I will, however, send you a "clean" email stating that I think the  
CoC and ECE are working well together with research and teaching and that I support collocation of security faculty (you  
can use this as an addendum if you please). However, to be transparent, collocation would only work for me if we're in  
Klaus given my frequent meetings in Van Leer.  
> > >>>>  
> > >>>> Best,  
> > >>>>  
> > >>>> Raheem  
> > >>>>  
> > >>>>> On Sep 30, 2018, at 4:03 PM, Wenke Lee [REDACTED] wrote:  
> > >>>>>  
> > >>>>> Folks,  
> > >>>>>  
> > >>>>> I just drafted a letter, and you have a link to revise and sign.  
> > >>>>> Please get this done by Monday evening if possible.  
> > >>>>>  
> > >>>>> It is about making everyone understand that the SCS and ECE security  
> > >>>>> folks have been working together and will continue to prosper if the  
> > >>>>> administration makes conscious efforts to support a collaborative  
> > >>>>> environment, e.g., in space allocation and faculty hiring. I also  
> > >>>>> slammed them for repeating rumors :-)  
> > >>>>>  
> > >>>>> Wenke  
> > >>>>>  
> > >>>>>  
> > >>>>> hxxps://docs.google.com/document/d/10Pot7AG7sfJSm--  
uNtE69EvWB4PTKBk0EjwZBHO4298/edit?usp=sharing<http://docs.google.com/document/d/10Pot7AG7sfJSm--

uNtE69EvWB4PTKBk0EjwZBHO4298/edit?usp=sharing>

> > >>>>

> > >>>>

> > >

From: Angelos D. Keromytis [REDACTED]  
Sent on: Tuesday, December 12, 2017 5:33:50 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
CC: Dillon, Linda <linda.dillon@ece.gatech.edu>; Beyah, Raheem A <rbeyah@ece.gatech.edu>  
Subject: Re: List of Equipment

We'll probably want a few SDRs and probably a 3D printer, but that all is under \$10K and is in the noise.  
Thanks

> On Dec 12, 2017, at 08:29, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> Yup, sounds reasonable to me Linda (assuming Angelos does not need any exotic hardware for his students).

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>  
>  
> \_\_\_\_\_  
> From: Dillon, Linda  
> Sent: Tuesday, December 12, 2017 8:27:11 AM  
> To: Antonakakis, Manos  
> Cc: Angelos D. Keromytis; Beyah, Raheem A  
> Subject: RE: List of Equipment

>  
> Hi Manos,  
>  
> Dave thinks we should up the start-up by \$30k for faculty, staff and student office equipment (Printers, PC's and mobile devices).

>  
> Thank you,  
> Linda

> -----Original Message-----

> From: Antonakakis, Manos  
> Sent: Tuesday, December 12, 2017 8:20 AM  
> To: Dillon, Linda <linda.dillon@ece.gatech.edu>  
> Cc: Angelos D. Keromytis [REDACTED]; Beyah, Raheem A <rbeyah@ece.gatech.edu>  
> Subject: Re: List of Equipment

>  
> Linda, Angelos asked me to pull together a budget for his cluster not his hardware needs for the entire lab. Angele, if you tell me what you want I will ask my team to get a few quotes for you as well.

>  
> In the grand scheme of things (unless Angelos needs a Tesla for IoT security research ...) the non-cluster hardware cost should be a very small fraction of the overall budget. Thus, I am not sure how important (and necessary) it is to capture that cost in this budget.

>  
> Raheem, what say you?

>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

>

>  
> \_\_\_\_\_  
> From: Dillon, Linda  
> Sent: Tuesday, December 12, 2017 8:13:58 AM  
> To: Antonakakis, Manos  
> Cc: Angelos D. Keromytis; Beyah, Raheem A  
> Subject: FW: List of Equipment  
>  
> Hi Manos,  
>  
> Dave Webb is required to review all equipment lists for new faculty per COE and he got back to me this morning. He is concerned there is no workstations, printers, etc. listed for Angelos' office and for students. Dave said it is ~\$2k for student workstations.  
>  
> Please review the list and make any needed changes.  
>  
> Thank you,  
> Linda  
>  
>  
>  
> -----Original Message-----  
> From: Antonakakis, Manos  
> Sent: Friday, December 08, 2017 11:06 AM  
> To: Dillon, Linda <linda.dillon@ece.gatech.edu>; Angelos D. Keromytis [REDACTED]  
> Subject: Re: List of Equipment  
>  
> Linda, please find attached the estimate. Reach out to William in my team directly if you need the actual quotes.  
>  
> Thanks,  
>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_  
> From: Dillon, Linda  
> Sent: Thursday, December 7, 2017 3:17:23 PM  
> To: Antonakakis, Manos; Angelos D. Keromytis  
> Subject: RE: List of Equipment  
>  
> Hi Manos,  
>  
> Yes, Monday will be great.  
>  
> Have a nice weekend!  
> Linda  
>  
> -----Original Message-----  
> From: Antonakakis, Manos  
> Sent: Thursday, December 07, 2017 3:14 PM  
> To: Angelos D. Keromytis [REDACTED]; Dillon, Linda <linda.dillon@ece.gatech.edu>  
> Subject: Re: List of Equipment  
>

> I do, yes.  
>  
> Linda, can I send this to you by Monday? I need to update a few quotes.  
>  
> Cheers,  
>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668  
>  
>  
> \_\_\_\_\_  
> From: Angelos D. Keromytis [REDACTED] >  
> Sent: Thursday, December 7, 2017 2:56:39 PM  
> To: Dillon, Linda  
> Cc: Antonakakis, Manos  
> Subject: Re: List of Equipment  
>  
> Mano, do you have a handy estimate for a cluster at the \$3M range?  
>  
> On Dec 7, 2017, at 14:32, Dillon, Linda <linda.dillon@ece.gatech.edu<mailto:linda.dillon@ece.gatech.edu>> wrote:  
>  
> Hi Angelos,  
>  
> Can you please provide a list of equipment equaling \$3M. This can be changed at a later date, but needs to go with hire  
packet.  
>  
> Thank you,  
> Linda  
>  
> Linda Dillon  
> Assistant Director - Administrative Operations School of Electrical and Computer Engineering  
> Phone: 404.894.7574  
> Email: linda.dillon@ece.gatech.edu<mailto:linda.dillon@ece.gatech.edu>  
>

From: Angelos D. Keromytis <[REDACTED]>  
Sent on: Monday, February 12, 2018 4:28:22 PM  
To: Antonakakis, Manos <manos@gatech.edu>  
Subject: Re: local IoT security conference/workshop in Philly

Nice!

> On Feb 12, 2018, at 11:06, Antonakakis, Manos <manos@gatech.edu> wrote:

>  
> The attached two will come out soon. Look for the commentary from Jason at Comcast.  
>  
> —  
> Manos Antonakakis | manos@gatech.edu  
> Georgia Institute of Technology  
> FF7D 4FDF 9115 8077 92D2 5B59 5120 5E89 BE1B 3668

> \_\_\_\_\_  
> From: Angelos D. Keromytis <[REDACTED]>  
> Sent: Monday, February 12, 2018 10:55:36 AM  
> To: Antonakakis, Manos  
> Subject: Fwd: local IoT security conference/workshop in Philly

> Begin forwarded message:

>  
> From: "Moore, Jon (T+P)" <Jonathan\_Moore@comcast.com<mailto:Jonathan\_Moore@comcast.com>>  
> Date: February 12, 2018 at 10:42:51 EST  
> To: Jonathan Smith <jms@cis.upenn.edu<mailto:jms@cis.upenn.edu>>,  
> "mwh@cs.umd.edu<mailto:mwh@cs.umd.edu>" <mwh@cs.umd.edu<mailto:mwh@cs.umd.edu>>,  
> "angelos@cs.columbia.edu<mailto:angelos@cs.columbia.edu>"  
> <angelos@cs.columbia.edu<mailto:angelos@cs.columbia.edu>>  
> Subject: local IoT security conference/workshop in Philly

> Hi folks,

> Hope you are all well. Comcast has started to host a series of small conferences in Philadelphia on various topics [1] over the last couple of years, with an aim of bringing together a local community from industry and academia.

> Comcast is hosting a small conference in April on the topic of IoT Security: <https://clcsecurity.comcast.com/>, with an open call for proposals for 30- or 45-minute talks (due March 15). I thought you personally, or your students and postdocs, or your colleagues at your respective departments might be interested to propose a talk and/or attend, since it's a close trip by either trolley or train.

> Please feel free to share as you see appropriate across your departments, and please let me know if you have any questions.

> Thanks!

> Jon

> [1] <http://scala.comcast.com/>, <https://comcastlabsconnectfp.comcast.com/>, <https://securityconference.comcast.com/>, etc.

> .....



- > Jon Moore
- > Comcast Cable
- >
- >
- > <IOT-MA.pdf>
- > <cross-talk-1-3%5b1%5d.pdf>

**From:** Angelos D. Keromytis [REDACTED]  
**Sent on:** Wednesday, February 21, 2018 2:15:40 AM  
**To:** Antonakakis, Manos <manos@gatech.edu>  
**CC:** Stelios Sidiroglou-Douskos <stelios@csail.mit.edu>  
**Subject:** Re: Looking forward to your visit

Τι να του πεις του μαμουχαλου...moving right along...

On Feb 20, 2018, at 21:14, Antonakakis, Manos <[manos@gatech.edu](mailto:manos@gatech.edu)> wrote:

Την μαλακία πολύ την αγάπησαν, τον μαλακά κανέννας.

Sorry for the drama.

---

Typos due to mobile device ...

On Feb 20, 2018, at 15:35, Stelios Sidiroglou-Douskos <[stelios@csail.mit.edu](mailto:stelios@csail.mit.edu)> wrote:

Hi Mustaque, thanks for the quick turnaround. I appreciate it.

On Feb 20, 2018, at 6:17 PM, Ahamad, Mustaque <[mustaq@cc.gatech.edu](mailto:mustaq@cc.gatech.edu)> wrote:

Stelios,

I apologize again for all the confusion today. However, I am glad we were able to get it sorted out quickly. Hopefully Lance communicated to you that we have approval for what he had offered to you initially on February 5 (I am happy to explain the details). I would not have sent the email he sent today but as a positive side effect, we cleared it all up.

Please go ahead and book your and [REDACTED] tickets. We look forward to seeing you here later this week.

As always, give me or any of us a call if you have any questions.

Mustaque

**From:** Keromytis, Angelos<angelos.keromytis@darpa.mil>  
**Sent on:** Friday, December 15, 2017 10:25:28 PM  
**To:** Farrell, Michael<Michael.Farrell@gtri.gatech.edu>  
**CC:** Antonakakis, Emmanouil K<manos@gatech.edu>; Patel, Tejas (contr-i2o)<tejas.patel.ctr@darpa.mil>  
**Signed by:** KEROMYTIS.ANGELOS.D.1501999799 on Friday, December 15, 2017 10:25:27 PM  
**Subject:** Re: meeting and stuff  
**Attachments:** Nameless.txt (1.89 KB)

OK...keep us in the loop, so we can plan accordingly.

On Dec 15, 2017, at 5:15 PM, Farrell, Michael <[Michael.Farrell@gtri.gatech.edu](mailto:Michael.Farrell@gtri.gatech.edu)> wrote:

We talked 1/29. Not 2/2 specifically. Yes been doing coordination with Scott. Will circle back with him.

—MF

On Dec 15, 2017, at 15:25, Keromytis, Angelos <[angelos.keromytis@darpa.mil](mailto:angelos.keromytis@darpa.mil)> wrote:

Umm...then, I don't know why/how Scott converged on that day. Michael, are you coordinating with Scott?  
-Angelos

-----Original Message-----

From: Antonakakis, Manos [<mailto:manos@gatech.edu>]

Sent: Friday, December 15, 2017 3:24 PM

To: Keromytis, Angelos <[angelos.keromytis@darpa.mil](mailto:angelos.keromytis@darpa.mil)>; Farrell, Michael D <[Michael.Farrell@gtri.gatech.edu](mailto:Michael.Farrell@gtri.gatech.edu)>

Cc: Patel, Tejas (contr-i2o) <[tejas.patel.ctr@darpa.mil](mailto:tejas.patel.ctr@darpa.mil)>

Subject: Re: meeting and stuff

February 2nd is definitely a bad day, as Michael and I are hosting MS in GT.

On the ExploderBot, we will dive deep into it, yes.

-

Manos Antonakakis | [manos@gatech.edu](mailto:manos@gatech.edu)

Georgia Institute of Technology

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From: Keromytis, Angelos <[angelos.keromytis@darpa.mil](mailto:angelos.keromytis@darpa.mil)>

Sent: Friday, December 15, 2017 2:33:13 PM

To: Antonakakis, Manos

Cc: Patel, Tejas (contr-i2o)

Subject: meeting and stuff

Mano,

The meeting is being scheduled for February 2 --- I \*assume\* Michael is the one on your side that is talking to Scott and doing the planning.

On a different note, it may be worth having a student look at a malware/botnet that some folks in industry have named ExploderBot.

-Angelos

**From:** Ondercin, Joseph J. (PG) (FBI) via anti-s<anti-s@ncfta.net>

**Sent on:** Thursday, March 19, 2020 3:44:09 PM

**To:** anti-s@ncfta.net

**CC:** Ondercin, Joseph J. (PG) (FBI)<jjondercin@fbi.gov>

**Subject:** [anti-s] [REDACTED]

Does anyone have a LE friendly contact (or can share experiences dealing with) [REDACTED]  
[REDACTED]

Thanks,  
Joe

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**From:** Portell, Jamie - Washington, DC via anti-s<anti-s@ncfta.net>

**Sent on:** Monday, February 3, 2020 11:36:45 PM

**To:** anti-s@ncfta.net

**CC:** Portell, Jamie - Washington, DC<JJPortell@uspis.gov>

**Subject:** [anti-s] [REDACTED]

[REDACTED] Thank you

Jamie Portell

Postal Inspector/Program Manager

U.S. Postal Inspection Service Liaison to National Cyber Investigative Joint Task Force (NCIJTF)

Desk: 703-633-4585

Cell: [REDACTED]

Email:

[jjportell@uspis.gov](mailto:jjportell@uspis.gov)

External Email:

NIPR: [jportell@fbi.gov](mailto:jportell@fbi.gov)

SIPR: [jportell@fbi.sgov.gov](mailto:jportell@fbi.sgov.gov)

JWICS: [jportell@fbi.ic.gov](mailto:jportell@fbi.ic.gov)



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**From:** Leszczynski, Ryan J. (CYD) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Wednesday, May 13, 2020 2:59:14 PM  
**To:** anti-s@ncfta.net  
**CC:** Leszczynski, Ryan J. (CYD) (FBI)<rjleszczynski@fbi.gov>  
**Subject:** [anti-s] [anti-s] Att: FBI Seattle Field Office

Replied offline...

-----

Ryan J. Leszczynski  
Supervisory Special Agent | FBI, Cyber Division  
Liaison, National Cyber Forensics and Training Alliance  
W: 412-618-3179 [REDACTED]  
rjleszczynski@fbi.gov

\*\* sent from mobile device, apologies for any typos \*\*

On May 13, 2020 09:54, Rodney Joffe via anti-s <anti-s@ncfta.net> wrote:  
Could you please ping me asap offline.

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From: Leszczynski, Ryan J. (CYD) (FBI) via anti-s <anti-s@ncfta.net>  
Sent on: Thursday, December 6, 2018 8:21:02 PM  
To: anti-s@ncfta.net  
CC: Leszczynski, Ryan J. (CYD) (FBI) <rjleszczynski@fbi.gov>  
Subject: [anti-s] [REDACTED]

Hi everyone:

[REDACTED]

Thanks

Ryan

-----

Ryan J. Leszczynski  
Supervisory Special Agent | FBI, Cyber Division  
W: 412-618-3179 | [REDACTED]  
rjleszczynski@fbi.gov

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**From:** Elverson, Christopher W. (CYD) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Thursday, September 5, 2019 3:59:16 PM  
**To:** anti-s@ncfta.net  
**CC:** Elverson, Christopher W. (CYD) (FBI)<cwelverson@fbi.gov>  
**Subject:** [anti-s] [REDACTED]

[REDACTED]

Thanks,  
Chris  
[REDACTED]

*Chris Elverson | Supervisory Special Agent | FBI Cyber Division - CIRFU | PGP: 163E 1996 | Liaison at NCFTA, 2000  
Technology Dr, STE 450, Pittsburgh, PA 15219*

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**From:** Leszczynski, Ryan J. (CYD) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Monday, April 15, 2019 4:41:02 PM  
**To:** anti-s@ncfta.net  
**CC:** Leszczynski, Ryan J. (CYD) (FBI)<rjleszczynski@fbi.gov>  
**Subject:** [anti-s] 2019 International Task Force - collaboration

Hello anti-s:

Each year, the NCFTA and FBI host an "International Task Force" (ITF) for 45 days here in Pittsburgh, Pennsylvania. The 2019 ITF is comprised of cyber investigators and analysts from 22 different countries. The ITF presents a great opportunity for investigators to establish or enhance international partnerships and continue work on various investigative operations. Specifically, this year's ITF will focus on phish kit developers, business email compromise schemes and key criminal service providers.

During previous sessions, several organizations provided the ITF training/exposure on analytical platforms or collaborated directly with ITF participants. Finally, if you are planning on attending SlamSPAM in June, the ITF members will be there! **If you or your company has an interest in working with this year's ITF, please feel free to send me an email ([rjleszczynski@fbi.gov](mailto:rjleszczynski@fbi.gov)) to discuss further.**

The following countries will participate in this year's ITF:

Australia	Australian Federal Police (AFP)
Belarus	Investigative Committee of Belarus (ICB) - Chief Investigations Directorate
Brazil	Brazilian Departamento de Policia Federal (DPF) Cyber Crimes Unit
Bulgaria	General Directorate for Combating Crime
Canada	Royal Canadian Mounted Police (RCMP) - National Intelligence Coordination Centre (NICC)
Czech Republic	Czech National Police (PCR)
Germany	German Bundeskriminalamt (BKA) - Cybercrime Intelligence Operations
Hungary	Hungarian National Bureau of Investigation (NNI)
Indonesia	Indonesian National Police (INP)
Israel	Israeli National Police
Japan	National Police Agency, Chiba Prefecture
Korea	Supreme Prosecutors Office
Latvia	Latvian State Police
Malaysia	Commercial Crime Investigation Department
Moldova	National Inspectorate of Investigations of the General Inspectorate of Police of the Republic of Moldova
Netherlands	National Investigative Service - High-Tech Crime Team
New Zealand	High Tech Crime Group
Nigeria	Economic and Financial Crimes Commission
Poland	Centralnego Biura Śledczego Policji
Romania	Romanian National Police (RNP): Directorate for Combating Organized Crime (DCCO)
Ukraine	National Police of Ukraine (NPU), Cyber Police
United Kingdom	National Crime Agency (NCA)

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Ryan J. Leszczynski

Supervisory Special Agent | FBI, Cyber Division  
Liaison, National Cyber Forensics and Training Alliance  
W: 412-618-3179 | [REDACTED]  
rjleszczynski@fbi.gov

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**From:** Leszczynski, Ryan J. (CYD) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Thursday, August 23, 2018 8:27:02 PM  
**To:** anti-s@ncfta.net  
**CC:** Leszczynski, Ryan J. (CYD) (FBI)<rjleszczynski@fbi.gov>  
**Subject:** [anti-s] Crypting Services

Hello everyone:

We are looking to better understand the actors/groups behind crypting (crypter) services - and ultimately identify the most prolific/popular service providers. Any insights or feedback would be appreciated.

Thanks,

Ryan

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**Ryan J. Leszczynski**

Supervisory Special Agent | FBI, Cyber Division

*Liaison, National Cyber Forensics and Training Alliance*

W: 412-618-3179 | [REDACTED]

rjleszczynski@fbi.gov

**From:** Janezic, Scott L. (MM) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Friday, May 1, 2020 2:05:21 PM  
**To:** anti-s@ncfta.net  
**CC:** Janezic, Scott L. (MM) (FBI)<sljanezic@fbi.gov>  
**Subject:** [anti-s] Cyber Security Trends

Hey Ryan,

I will be participating in a webinar this month for the Miami Chamber of Commerce. I was wondering if you had any current cyber trends that the FBI is seeing that can be publicly consumed?

Thanks in advance,  
Scott

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**From:** Leszczynski, Ryan J. (CYD) (FBI) via anti-s<anti-s@ncfta.net>

**Sent on:** Friday, July 24, 2020 5:43:52 PM

**To:** anti-s@ncfta.net

**CC:** Leszczynski, Ryan J. (CYD) (FBI)<rjleszczynski@fbi.gov>

**Subject:** [anti-s] Don Smith -

Hello everyone:

I am reposting this to anti-s. Don Smith, a strong and long-time contributor to this community (and many others) passed away recently.

While I never had the pleasure of meeting Don in person, I know how much he cared for the security community and, in particular, this listserv.

He will be greatly missed by all.

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From: Leszczynski, Ryan J. (CYD) (FBI) via anti-s <anti-s@ncfta.net>  
Sent on: Wednesday, November 28, 2018 4:29:02 PM  
To: anti-s@ncfta.net  
CC: Leszczynski, Ryan J. (CYD) (FBI) <rjleszczynski@fbi.gov>  
Subject: [anti-s] FBI Private Industry Notification  
Attachments: [REDACTED]

Hello everyone:

Please see the attached Private Industry Notification regarding [REDACTED].

Ryan

-----  
Ryan J. Leszczynski  
Supervisory Special Agent | FBI, Cyber Division  
W: 412-618-3179 | [REDACTED]  
rjleszczynski@fbi.gov

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From: Matt T via anti-s <anti-s@ncfta.net>  
Sent on: Sunday, August 22, 2021 2:59:52 AM  
To: anti-s@ncfta.net  
CC: Matt T <antis@rscubed.com>  
Subject: [anti-s] fbigov.cc

use as needed.

[REDACTED]

[REDACTED]

[REDACTED]

I can get it whacked easy enough but I thiught someone might want to have look at it...

Matt

---

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**From:** Leszczynski, Ryan J. (CYD) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Thursday, March 5, 2020 6:09:42 PM  
**To:** anti-s@ncfta.net  
**CC:** Leszczynski, Ryan J. (CYD) (FBI)<rjleszczynski@fbi.gov>  
**Subject:** [anti-s] FW: 2020 NCFTA Forum & SlamSpam

Hi everyone:

We are continuing to put together the agenda and plan for SlamSpam 10 alongside the NCFTA's Cyber Crime Forum. As most of you are aware, the spread of the coronavirus (Covid-19) has impacted conferences and travel plans across the globe. We are mindful of this, so the NCFTA developed a short survey to learn more about the impact Covid-19 has had on conference attendees.

If you plan to attend SlamSpam (or the Forum), would you mind completing this survey? Also, for Question #4 (or in any of the comments), would you use the hashtag (#slamspam)? This will give us a sense of how many folks on anti-s were planning to attend.

Thanks everyone.

Ryan

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**Ryan J. Leszczynski**

Supervisory Special Agent | FBI, Cyber Division  
*Liaison, National Cyber Forensics and Training Alliance*  
412-618-3179 | rjleszczynski@fbi.gov

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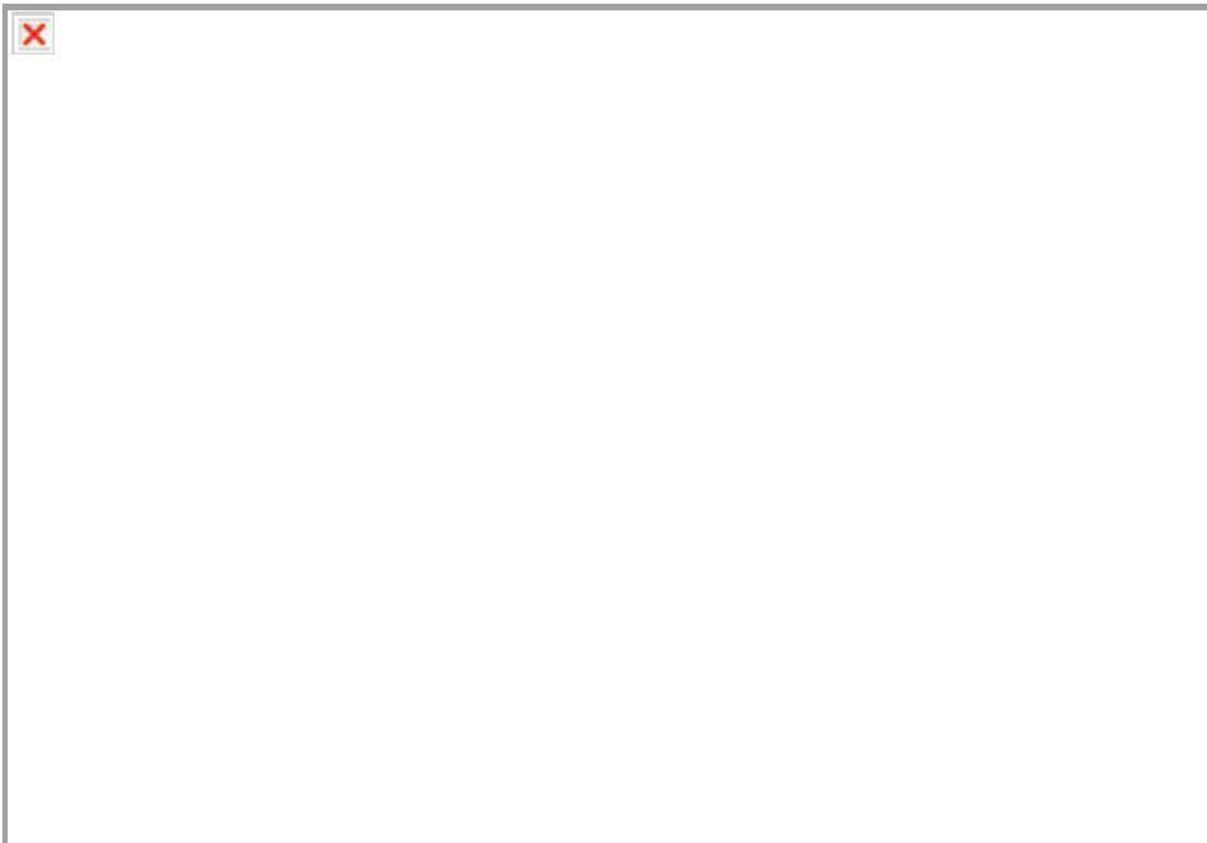
**From:**  
**Sent:** Wednesday, March 04, 2020 12:57 PM  
**To:**

**Cc:** Betler, Joy <jbetler@ncfta.net>  
**Subject:** 2020 NCFTA Forum

***Please continue to save the date for the Forum!***

***While we hoped to open registration this week, we are delaying our registration process as we monitor the Coronavirus COVID-19 and its potential impact on our conference.***

***Please assist us by taking a short survey: [TAKE THE SURVEY](#)***



[REDACTED]

[REDACTED]

[REDACTED]

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**From:** Leszczynski, Ryan J. (CYD) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Wednesday, January 8, 2020 8:47:30 PM  
**To:** anti-s@ncfta.net  
**CC:** Leszczynski, Ryan J. (CYD) (FBI)<rjleszczynski@fbi.gov>  
**Subject:** [REDACTED]

[REDACTED]  
Hello everyone:

Please see two recent [REDACTED]. If you have specific questions or feedback, please let me know.

-----  
**Ryan J. Leszczynski** Supervisory Special Agent | FBI, Cyber Division  
*Liaison, National Cyber Forensics and Training Alliance*  
412-618-3179 | rjleszczynski@fbi.gov

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Information posted to anti-s is highly confidential and should not be re-posted anywhere wi  
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**From:** Leszczynski, Ryan J. (CYD) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Wednesday, May 13, 2020 5:03:25 PM  
**To:** anti-s@ncfta.net  
**CC:** Leszczynski, Ryan J. (CYD) (FBI)<rjleszczynski@fbi.gov>  
**Subject:** [REDACTED]

Hello everyone:

Please see attached PSA and let me know if there are any questions.

Thank you.

Ryan

-----

**Ryan J. Leszczynski**

Supervisory Special Agent | FBI, Cyber Division

*Liaison, National Cyber Forensics and Training Alliance*

W: 412-618-3179 | [REDACTED]

rjleszczynski@fbi.gov

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**From:** Leszczynski, Ryan J. (CYD) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Tuesday, May 12, 2020 6:30:40 PM  
**To:** anti-s@ncfta.net  
**CC:** Leszczynski, Ryan J. (CYD) (FBI)<rjleszczynski@fbi.gov>  
**Subject:** [REDACTED]

Hi everyone:

Please see the following [REDACTED] Please let me know if there are any questions or comments.

Thanks,

Ryan

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**Ryan J. Leszczynski**

Supervisory Special Agent | FBI, Cyber Division

*Liaison, National Cyber Forensics and Training Alliance*

W: 412-618-3179 | [REDACTED]

rjleszczynski@fbi.gov

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From: Monarko, Mackenzie L. (CYD) (FBI) <mlmonarko@fbi.gov>  
Sent on: Friday, September 8, 2017 4:37:31 PM  
To: ANTI-S@ncfta.net  
Subject: [anti-s] [REDACTED]

Good Morning Anti-S!

[REDACTED]. We respectfully ask if you have any intel regarding this breach please let us know and we can get you in touch with our Atlanta case agents. As we gather information, we will disseminate any information possible.

Thank you and Happy Friday!

~Mackenzie~

-----  
SSA Mackenzie Monarko  
FBI Cyber Division - CIRFU  
National Cyber-Forensics & Training Alliance (NCFTA)  
2000 Technology Drive, Suite 450, Pittsburgh, PA 15219  
Office: (412) 618-3121  
[REDACTED]  
Email: mlmonarko@fbi.gov

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**From:** Elverson, Christopher W. (CYD) (FBI) via anti-s<anti-s@ncfta.net>  
**Sent on:** Tuesday, August 7, 2018 9:05:01 PM  
**To:** anti-s@ncfta.net  
**CC:** Elverson, Christopher W. (CYD) (FBI)<cwelverson@fbi.gov>  
**Subject:** [anti-s] eWhiteHats

 Please  
contact me off list if so.

Thanks,  
Chris  
cwelverson@fbi.gov

*Chris Elverson | Supervisory Special Agent | FBI Cyber Division - CIRFU | 313-670-6824 | Liaison at NCFTA, 2000  
Technology Dr, STE 450, Pittsburgh, PA 15219*