# Abbas Razaghpanah, PhD

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**Research Interests** Computer Networks, Network Measurement, Privacy, Security

| **Education** | | |
|---|---|---|
| | • PhD in Computer Science | *2013 - 2019* |
| | **Stony Brook University (SUNY Stony Brook)** | |
| | Co-Advisers: Phillipa Gill, PhD and Narseo Vallina-Rodriguez, PhD | |
| | • M.Sc. in Computer Science | *2013 - 2015* |
| | **Stony Brook University (SUNY Stony Brook)** | |
| | Adviser: Phillipa Gill, PhD | |
| | • B.Sc. in Computer Science | *2008 - 2013* |
| | **Amirkabir University of Technology (Tehran Polytechnic)** | |

| **Awards** | | |
|---|---|---|
| | • Caspar Bowden PET Award from the Privacy Enhancing Technologies Symposium | *July 2020* |
| | • Best Practical Paper Award at the 41st IEEE Symposium on Security and Privacy | *May 2020* |
| | • French Data Protection Authority (CNIL) and Inria Privacy Protection Award winner | *Jan. 2020* |
| | • Emilio Aced Personal Data Protection Research Prize | |
| | from the Spanish Data Protection Agency (AEPD) | *Jan. 2020* |
| | • Distinguished Paper Award winner at ACM IMC 2018 | *Nov. 2018* |
| | • Awarded Information Controls Fellowship offered by OTF and the Citizen Lab | [ *Nov. 2014* |
| | • Best poster award in Stony Brook Technology Day poster competition | *Sep. 2014* |
| | • Runner up in the ACM Student Research Competition at SIGCOMM 2014 | *Aug. 2014* |

| **Service** | | |
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| | • **ACM CCS**, Program Committee Member | *2021* |
| | • **PoPETS**, Program Committee Member | *2020, 2021, 2022* |

**Publications**

**Selected Technical Reports**

• "Haystack: In Situ Mobile Traffic Analysis in User Space" *Oct. 2015*
**Abbas Razaghpanah**, Narseo Vallina-Rodriguez, Srikanth Sundaresan, Christian Kreibich, Phillipa Gill, Mark Allman, and Vern Paxson

• "Exploring the Design Space of Longitudinal Censorship Measurement Platforms" *Jun. 2016*
**Abbas Razaghpanah**, Anke Li, Arturo Filastò, Rishab Nithyanand, Vasilis Ververis, Will Scott, and Phillipa Gill

**Conference Papers**

• "Apps, Trackers, Privacy, and Regulators: A Global Study of the Mobile Tracking Ecosystem"
**Abbas Razaghpanah**, Rishab Nithyanand, Narseo Vallina-Rodriguez, Srikanth Sundaresan, Mark Allman, Christian Kreibich, and Phillipa Gill
*The Network and Distributed System Security Symposium (NDSS).* San Diego, CA. *Feb. 2018*

• "Studying TLS Usage in Android Apps"

**Abbas Razaghpanah**, Arian Akhavan Niaki, Narseo Vallina-Rodriguez, Srikanth Sundaresan, Johanna Amann, and Phillipa Gill
*Conference on emerging Networking EXperiments and Technologies (ACM CoNEXT)*. Seoul/Incheon, South Korea. *Dec. 2017*

- "Coming of Age: A Longitudinal Study of TLS Deployment"
Platon Kotzias, **Abbas Razaghpanah**, Johanna Amann, Kenneth G. Paterson, Narseo Vallina-Rodriguez, and Juan Caballero
*Internet Measurement Conference (ACM IMC)*. Boston, MA. *Nov. 2018* (**Distinguished Paper**)

- "liberate (n): A library for exposing (traffic-classification) rules and avoiding them efficiently"
Fangfan Li, **Abbas Razaghpanah**, Arash Molavi Kakhki, Arian Akhavan Niaki, David Choffnes, Phillipa Gill, and Alan Mislove
*Internet Measurement Conference (ACM IMC)*. London, UK. *Nov. 2017* (Accept rate 26%)

- "Identifying Traffic Differentiation in Mobile Networks"
Arash Molavi Kakhki, **Abbas Razaghpanah**, Hyungjoon Koo, Anke Li, Rajeshkumar Golani, David Choffnes, Phillipa Gill, and Alan Mislove
*Internet Measurement Conference (ACM IMC)*. Tokyo, Japan. *Oct. 2015* (Accept rate 26%)

- "Internet Outages, the Eyewitness Accounts: Analysis of the Outages Mailing List"
Ritwik Banerjee, **Abbas Razaghpanah**, Luis Chiang, Akassh Mishra, Vyas Sekar, Yejin Choi, and Phillipa Gill
In Proc. of the *Passive and Active Measurement Conference (PAM)*. New York, USA. *Mar. 2015* (Accept rate 27%)

- "An Analysis of Pre-installed Android Software"
Julien Gamba, Mohammed Rashed, **Abbas Razaghpanah**, Juan Tapiador, Narseo Vallina-Rodriguez
*IEEE Symposium on Security and Privacy (Oakland)*. San Francisco, CA. *May 2020*

- ""Won't Somebody Think of the Children" Privacy Analysis at Scale: A Case Study With COPPA"
Irwin Reyes, Primal Wijesekera, Joel Reardon, Amit Elazari, **Abbas Razaghpanah**, Narseo Vallina Rodriguez, and Serge Egelman
*PETS*. Barcelona, Spain. *July. 2018*

- "The Cloud that Runs the Mobile Internet"
Foivos Michelinakis, Hossein Doroud, **Abbas Razaghpanah**, Andra Lutu, Narseo Vallina-Rodriguez, Phillipa Gill, and Joerg Widmer
*IEEE INFOCOM*. Honolulu, HI. *Apr. 2018*

- "A Churn for the Better: Localizing Censorship using Network-level Path Churn and Network Tomography"
Shinyoung Cho, Rishab Nithyanand, **Abbas Razaghpanah**, and Phillipa Gill
*Conference on emerging Networking EXperiments and Technologies (ACM CoNEXT)*. Seoul/Incheon, South Korea. *Dec. 2017*

- "ICLab: A Global, Longitudinal Internet Censorship Measurement Platform"
Arian Akhavan Niaki, Shinyoung Cho, Zachary Weinberg, Nguyen Phong Hoang, **Abbas Razaghpanah**, Nicolas Christin, and Phillipa Gill
*IEEE Symposium on Security and Privacy (Oakland)*. San Francisco, CA. *May 2020*


**Journal Publications**

- "Meddle: Enabling Transparency and Control for Mobile Internet Traffic"
Ashwin Rao, Arash Molavi Kakhki, **Abbas Razaghpanah**, Anke Li, David Choffnes, Arnaud Legout, Alan Mislove, and Phillipa Gill
*Journal of Technology Science (JoTS).*                                                      *Oct. 2015*

### Workshop Publications

- ""Is Our Children's Apps Learning?" Automatically Detecting COPPA Violations"
Irwin Reyes, Primal Wijesekera, **Abbas Razaghpanah**, Joel Reardon, Narseo Vallina-Rodriguez, Serge Egelman, and Christian Kreibich
Workshop on Technology and Consumer Protection (ConPro)                          *March. 2017*

### Posters

- "A client-side analysis of TLS usage in mobile apps"
**Abbas Razaghpanah**, Narseo Vallina-Rodriguez, and Phillipa Gill
In *USENIX Security Poster Session.* Austin, Texas.                                        *Aug. 2016*

- "Haystack: *In Situ* Mobile Traffic Analysis in User Space"
**Abbas Razaghpanah**, Narseo Vallina-Rodriguez, Srikanth Sundaresan, Christian Kreibich, Phillipa Gill, Mark Allman, and Vern Paxson
In *ACM HotMobile Poster & Demo Session.* St. Augustine, Florida.                        *Feb. 2016*

- "Identifying Traffic Differentiation on Cellular Data Networks"
Arash Molavi Kakhki, **Abbas Razaghpanah**, Rajesh Golani, David Choffnes, Phillipa Gill, and Alan Mislove
In *ACM SIGCOMM Poster & Demo Session.* Chicago, Illinois.                              *Aug. 2014*
Runner up in the *ACM Student Research Competition at SIGCOMM 2014*

**Professional Experience**

- **Research Intern**
International Computer Science Institute (ICSI) at UC Berkeley      *Summer 2015, 2017, and 2018*
I worked on developing a mobile privacy measurement application with Narseo Vallina-Rodriguez, Srikanth Sundaresan, and Christian Kreibich under the supervision of Vern Paxson. Later I worked with my collaborators at ICSI to analyze data collected by our mobile measurement platform to better understand the mobile ecosystem from the edge, resulting in a number of paper submissions.
- **Seasonal OTF Research Fellow**
The Citizen Lab at University of Toronto                                              *Spring 2015*
Worked on ICLab, a platform to measure Internet interference under supervision of Ronald Dibert.