

## 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

- 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

### 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.