SPEAKER BIOS

Session 1: Collection, Exfiltration, and Leakage of Private Information

Steven Englehardt is a computer science Ph.D. candidate at Princeton University, where he works as a principal researcher on the Web Transparency and Accountability Project. He researches web privacy and security, with a focus on online tracking measurement. Mr. Englehardt spent two summers at Mozilla as a security engineering intern and also interned at the FTC in the Office of Technology Research and Investigation. He is the primary maintainer of OpenWPM, an open web privacy measurement platform. He runs the Princeton Web Census, a monthly 1 million-site measurement of online privacy. The research presented was funded by NSF Grant CNS 1526353, a research grant from Mozilla, a research grant from the Data Transparency Lab, and by Amazon AWS Cloud Credits for Research.

Michael Weissbacher is a doctoral student in the College of Computer and Information Science at Northeastern University, advised by Professor Engin Kirda. His research focuses on the security of Web applications on both the client- and server-side, as well as their privacy implications. The research presented was funded by the National Science Foundation and the Engineering and Physical Sciences Research Council.

Milijana Surbatovich is a Ph.D. student in the Electrical and Computer Engineering Department at Carnegie Mellon University, where she is advised by Brandon Lucia and Limin Jia. Her research interests are in the areas of computer architecture, hardware/software interactions, and computer security. Previously, she received her B.Sc. degree in computer science from the University of Rochester. The research presented was funded in part by the National Science Foundation, a gift from Google, the Defense Advanced Research Projects Agency, Army Research Laboratory, and Air Force Research Laboratory.

Gunes Acar is a postdoctoral research associate at Princeton University's Center for Information Technology Policy. His research interests involve web tracking measurement, anonymous communications, and IoT privacy and security. Dr. Acar obtained his Ph.D. at the COSIC research group of KU Leuven in Belgium under the supervision of Claudia Diaz and Bart Preneel. He co-authored several prominent papers on advanced web tracking mechanisms such as browser fingerprinting, canvas fingerprinting, and evercookies. The research presented was funded by National Science Foundation and Amazon Web Services.

Alan Mislove is an associate professor, associate dean, and director of undergraduate programs at the College of Computer and Information Science at Northeastern University. Prof. Mislove's research concerns distributed systems and networks, with a focus on using social networks to enhance the security, privacy, and efficiency of newly emerging systems. His work comprises over 50 peer-reviewed papers, has received over 10,000 citations, and has been supported by over $5M in grants. He has received an NSF CAREER Award (2011), a Google Faculty Award (2012), the ACM SIGCOMM Test of Time Award (2017), the USENIX Security Distinguished Paper Award (2017), the IEEE Cybersecurity Award for Innovation (2017), and his work has been covered by prominent media outlets. The research presented was funded by the NSF and the Data Transparency Lab.

Dan Salsburg (moderator) is the Chief Counsel and Acting Chief of the FTC's Office of Technology Research and Investigation (OTech). Housed in the FTC's Bureau of Consumer Protection (BCP), OTech serves as a trusted resource for research and information on technology's impact on consumers. This past year, Dan has researched the use of leaked identifiers and payment data, the adoption of email authentication technologies by popular domains, and the security offerings of web hosts that market their services to small businesses. In 2016, Dan helped organize the first FTC PrivacyCon. Prior to joining OTech, Dan served as an Assistant Director and staff attorney in BCP, where he supervised and litigated cases involving spam, internet fraud, and mobile technologies. Previously, he served as a Senior Trial Attorney in the Commodity Futures Trading Commission's Division of Enforcement. Dan received his B.A. and J.D. degrees from the University of Pennsylvania.

Session 2: Consumer Preferences, Expectations, and Behaviors

Jingjing Ren is a Ph.D. candidate in computer science at Northeastern University, advised by Professor David Choffnes. Her research area is security and privacy in mobile and Internet-of-Things (IoT) devices. She is the lead contributor to a system called ReCon and a key researcher in the MonIoTr Research group. The goal of her work is to enable network users to understand and control the personal information exposed by mobile and IoT devices over the internet. The research presented was supported by the Data Transparency Lab, the Academy of Finland PADS project, the European Union under the H2020 TYPES project, and the Department of Homeland Security S&T contract.

Kristopher Micinski is a visiting professor in the computer science department at Haverford College. His research goal is to keep users secure as they use modern systems. To achieve this, he uses a mix of techniques from programming languages, human-computer interaction, and security. His current research focuses on security for mobile devices, developing tools to keep users informed of how apps access their private data. The research presented was funded by the Laboratory for Telecommunication Sciences.

Emily McReynolds is a researcher at the University of Washington Tech Policy Lab, an interdisciplinary research collaboration of the UW's School of Computer Science & Engineering, Information School, and School of Law focused on emerging technology with the goal to strengthen and inform technology policy. Her research centers on privacy, anonymity, and security, with an emphasis on policy surrounding emerging technologies. The research presented was funded by a grant from the Rose Foundation for Communities and the Environment's Consumer Privacy Rights Fund.

Pardis Emami-Naeini is a Ph.D. student in School of Computer Science at Carnegie Mellon University (CMU), where she is advised by Lorrie Cranor. Her research interests are in the areas of computer security and privacy, human-computer interaction, and their implications on the Internet of Things. Before joining CMU, she received her B.Sc. degree in computer engineering from Sharif University of Technology, Tehran, Iran. The research presented was funded by DARPA.

Yang Wang is an assistant professor in the School of Information Studies at Syracuse University where he co-directs the Social Computing Systems (SALT) Lab. He received his Ph.D. in information and computer science from the University of California, Irvine. His research is centered on usable privacy and security, and social computing. His current research aims to better support under-served populations such as people with disabilities to achieve privacy and security. The research presented was funded in part by the National Science Foundation.

Kristen Anderson (moderator) is an attorney in the FTC Bureau of Consumer Protection's Division of Privacy and Identity Protection (DPIP), where she focuses on consumer privacy and data security. She has investigated and pursued cases against advertising companies, financial services companies, and others for alleged violations of the FTC Act, the Fair Credit Reporting Act, and the Gramm-Leach-Bliley Act. Ms. Anderson has also served as a counsel to former Bureau Director Jessica Rich, and as an attorney advisor to former Chairwoman Edith Ramirez. She joined the FTC in 2011 after earning her J.D. at the Georgetown University Law Center and her M.P.P. at the Georgetown Public Policy Institute.

Session 3: Economics, Markets, and Experiments

Ying Lei Toh is a Ph.D. candidate at the Toulouse School of Economics, France, where she specializes in applied industrial organization theory. She was previously a visiting student researcher at UC Berkeley School of Information. Her work focuses on the economics of digitization and analyzing various policy and strategic issues in the areas of consumer privacy, data protection and cyber-security. The research presented was funded by the European Research Council, under the European Union's Horizon 2020 research and innovation program (grant agreement no. 670494).

Sasha Romanosky is a policy researcher at the RAND Corporation where he researches the economics of security and privacy, national security, applied microeconomics, and law & economics. He is also an affiliated faculty member at the Program on Economics & Privacy, Antonin Scalia Law School, George Mason University. He was a cyber policy advisor in the Department of Defense, a Microsoft research fellow in the Information Law Institute at New York University, and had been a security professional for over 10 years. Dr. Romanosky holds a Ph.D. in public policy and management from Carnegie Mellon University and a B.S. in electrical engineering from the University of Calgary, Canada. He is also co-author of the Common Vulnerability Scoring System (CVSS), an international standard for scoring computer vulnerabilities. The research presented was funded by the Institute of Civil Justice of the RAND Corporation.

Jaspreet Bhatia is a fourth year Ph.D. student at the Institute for Software Research at Carnegie Mellon University. She is advised by Prof. Travis Breaux. Her research focuses on identifying and measuring ambiguity in privacy policies and how that affects privacy risk perceived by users. The research

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Caleb Fuller is an assistant professor of economics at Grove City College and a faculty affiliate with George Mason University Law School's Program on Economics and Privacy. His recent research focuses on consumer privacy valuation and the consequences of digital privacy regulation. He is also interested in the political economy of entrepreneurship. He received his Ph.D. in economics from George Mason University in 2017. The research presented was funded by the Mercatus Center at George Mason University.

Christian Catalini is the Theodore T. Miller career development professor at the Massachusetts Institute of Technology (MIT), and assistant professor of technological innovation, entrepreneurship, and strategic management, MIT Sloan School of Management. His main areas of interest are the economics of digitization, entrepreneurship, and science, with research focusing on blockchain technology and cryptocurrencies. Dr. Catalini is one of the principal investigators of the MIT Digital Currencies Research Study and the founder of the MIT Cryptoeconomics Lab. He holds a Ph.D. from the University of Toronto, and an M.Sc. (summa cum laude) in economics and management of new technologies from Bocconi University, Milan. The research presented was funded by MIT and the Kauffman Foundation.

Yan Lau (moderator) is an economist in the Division of Consumer Protection in the FTC's Bureau of Economics, where he works on cases protecting American consumers from unfair and deceptive business practices. His research focuses on applied microeconomics, including labor economics, the economics of education, and public policy. He received his Ph.D. in economics from Princeton University in 2013, and was an assistant professor of economics at Reed College before joining the FTC in 2017.

Session 4: Tools and Ratings for Privacy Management

Periwinkle Doerfler is a Ph.D. student at New York University (NYU), within the Center for Cyber Security. She received her Bachelor's degree in mathematics from the University of Wisconsin - Madison. Her research focuses on consumer protection and user privacy as it relates to the internet, including projects relating to human trafficking, doxing, intimate partner violence, login and authentication schemes, Tor, and cryptocurrency scams. The research presented was funded by the National Science Foundation, Google, NBC Universal, a Sloan fellowship, and Engaged Cornell.

Saksham Chitkara is a Graduate Research Associate at Carnegie Mellon University. His aim is to use applied computer science to build user-centered products. He emphasizes usability in developing his projects. His goal is to push towards a smart, secure, and connected world. His research is focused on providing usable security for mobile and IoT-based systems: to add usable security to existing mobile systems and IoT-based devices, and add additional modalities and interactions in the way the users interact with these devices. The research presented was funded by the Air Force Research Laboratory, and supported by the NSF and Google Faculty Research Awards on mobile and IoT privacy.

Ian Douglas is part of a highly skilled team of IT research analysts in the Technology Analysis group at the Office of the Privacy Commissioner of Canada (OPC), with backgrounds in IT security, privacy, data analytics, research, infrastructure and software development. He assists in investigations when there is a technology component involved, and manages the OPC tech lab where he conducts proactive research and mentors students. Mr. Douglas has 30 years of experience in IT, including about 20 years of experience in IT security and about 10 years of experience in digital forensics. The research presented was not funded by any external sources.

Katie McInnis is a policy counsel in Consumers Union's Washington DC office. Her work focuses on technology and the consumer's right to privacy, security, control, and transparency. Before joining CU in 2016, Katie served as a Privacy & Technology Fellow at the Center for Democracy & Technology and the Enforcement Bureau of the Federal Communications Commission. She attended Bard College where studied history and sociology and earned her law degree from the Georgetown University Law Center, where she was the Editor-in-Chief of the Georgetown Journal of Law & Modern Critical Race Perspectives. The research presented was funded by the Ford Foundation, the Craig Newmark Foundation, the Craig Newmark Philanthropic Fund, and Consumers Union's members.

Norman Sadeh is a professor in the School of Computer Science at Carnegie Mellon University (CMU), where he leads the Personalized Privacy Assistant project (privacyassistant.org), a large research effort funded under DARPA's Brandeis initiative with additional funding provided by the National Science Foundation and Google. Prof. Sadeh also co-founded and co-directs CMU's Master's program in privacy engineering, the first university program in the world to focus on training future privacy engineers. At CMU, he is also affiliated with the Institute for Software Research, the CyLab Security and Privacy Institute, the Heinz School of Public Policy and Management, and the Human Computer Interaction Institute. The research presented was funded by the National Science Foundation, DARPA, and the Air Force Research Laboratory.

Mark Eichorn (moderator) is an Assistant Director in the FTC Bureau of Consumer Protection's Division of Privacy and Identity Protection (DPIP), where he supervises privacy and data security matters. He joined DPIP in 2009 from FTC Chairman Jon Leibowitz's office, where he served as an attorney advisor for Chairman (and previously Commissioner) Leibowitz on consumer protection issues. Upon joining the Commission in 1998, Mark worked for many years as an attorney in the Division of Advertising Practices and served a six-month stint in 2003 as an attorney advisor to FTC Commissioner Thomas Leary.

Closing Remarks

Neil Chilson was named Acting Chief Technologist at the FTC in July 2017. He advises the Acting Chairman, other Commissioners, and agency staff on technology matters, including the FTC's use of technology, technical aspects of law enforcement actions, and policy impacts of new technology. He leads the Commission's Blockchain Working Group and its Economics of Privacy Working Group. Prior to his appointment, Neil was an attorney-advisor to Acting Chairman Ohlhausen. In that role, he advised her on nearly every privacy and data security case before the Commission over the past four years. He also advised her on other consumer protection and competition issues, including internet regulatory policy, advertising, and emerging technologies such as artificial intelligence, IoT, and big

data. Before joining the FTC, Mr. Chilson was in private practice at Wilkinson Barker Knauer, LLP. He has a J.D. from The George Washington Law School, a M.S. in computer science from the University of Illinois, Urbana-Champaign, and a B.S. in computer science from Harding University.