

GEORGE MASON UNIVERSITY ANTONIN SCALIA LAW SCHOOL



PROGRAM ON ECONOMICS & PRIVACY

# Seventh Annual Public Policy Symposium on the Law & Economics of Privacy and Data Security

Friday, May 10, 2019 | ARLINGTON, VA



# Agenda

## FRIDAY, MAY 10

George Mason University Antonin Scalia Law School, Founders Hall

8:00 – 8:50 am

**Registration and Breakfast**

8:50 – 9:00 am

**Welcome**

**Jane Bambauer**, Director, Program on Economics & Privacy, George Mason University Antonin Scalia Law School and Professor of Law, University of Arizona James E. Rogers College of Law

**Gregory Conko**, Deputy Director, Law & Economics Center, George Mason University Antonin Scalia Law School

9:00 – 9:30 am

**Morning Fireside Chat**

**Neil Chilson**, Senior Research Fellow for Technology and Innovation, Charles Koch Institute

**Svetlana S. Gans**, Vice President & Associate General Counsel, NCTA - The Internet & Television Association

**Andrew E. Stivers**, Deputy Director, Office of The Director, Federal Trade Commission

9:30 – 10:45 am

**Panel 1 – The Empirical Economics of Privacy and Data Security: What Do We Know, and What Do We Wish We Knew?**

**Laura Brandimarte**, Assistant Professor of Management Information Systems Department, Eller College of Management, University of Arizona

**Avi Goldfarb**, Ellison Professor of Marketing and Rotman Chair in Artificial Intelligence and Healthcare, Rotman School of Management, University of Toronto

**Sasha Romanosky**, Policy Researcher, RAND Corporation

**Liad Wagman**, Associate Professor of Economics, Illinois Institute of Technology Stuart School of Business

**Moderator: Daniel Gilman**, Attorney Advisor, US Federal Trade Commission

11:00 am – 12:15 pm

**Panel 2 – Case Studies: Privacy in the Context of Health, Elections, Policing, Environmental Innovation, and Smart Cities**

**I. Glenn Cohen**, James A. Attwood and Leslie Williams Professor of Law, Harvard Law School

**Kelly Crandall**, Manager of Utility Engagement, Institute for Market Transformation

**Deven Desai**, Associate Professor, Area Coordinator for Law and Ethics, Georgia Institute of Technology

**Andrew G. Ferguson**, Professor of Law, University of the District of Columbia David A. Clarke School of Law

**Justin “Gus” Hurwitz**, Associate Professor of Law and Co-Director of Space, Cyber, and Telecom Law Program, Area Coordinator for Law and Ethics, University of Nebraska–Lincoln College of Law

**Moderator: Siona R. Listokin**, Associate Professor and Director of Master of Public Policy Program at the Schar School of Policy and Government, George Mason University

# Agenda

**12:15 – 1:45 pm**

## **Luncheon Keynote**

**Yochai Benkler**, Jack N. and Lillian R. Berkman Professor for Entrepreneurial Legal Studies and Faculty Co-Director, Berkman Klein Center for Internet and Society, Harvard Law School

**2:00 – 3:15 pm**

## **Panel 3 – Dueling Federal Privacy Bills**

**Michael Mandel**, Chief Economic Strategist, Progressive Policy Institute

**Michelle Richardson**, Director of the Data and Privacy Project, Center for Democracy and Technology

**Nicol E. Turner-Lee**, Fellow, Governance Studies, Center for Technology Innovation, Brookings Institution

**Moderator: Roslyn Layton**, Visiting Scholar, American Enterprise Institute

**3:30 – 4:45 pm**

## **Panel 4 – Privacy and Access to Public Research Datasets**

**Daniel Barth-Jones**, Assistant Professor of Clinical Epidemiology, Columbia University Mailman School of Public Health

**Catherine Fitch**, Associate Director, Institute for Social Research and Data Innovation, University of Minnesota

**Simson L. Garfinkel**, Senior Computer Scientist for Confidentiality and Data Access, US Census Bureau

**Moderator: Jane Bambauer**

**4:45 pm**

## **Adjourn**

# Speakers



## JANE BAMBAUER

*Director, Program on Economics & Privacy*

*Professor of Law, University of Arizona James E. Rogers College of Law*

Jane Bambauer is the director of the Program on Economics & Privacy, and professor of law at the University of Arizona. Professor Bambauer's research assesses the social costs and benefits of Big Data, and questions the wisdom of many well-intentioned privacy laws. Her articles have appeared in the *Stanford Law Review*, the *Michigan Law Review*, the *California Law Review*, and the *Journal of Empirical Legal Studies*. Professor Bambauer's own data-driven research explores biased judgment, legal education, and legal careers. She holds a BS in mathematics from Yale College and a JD from Yale Law School.



## DANIEL BARTH-JONES

*Assistant Professor of Clinical Epidemiology, Columbia University Mailman School of Public Health*

Daniel Barth-Jones is an infectious disease epidemiologist who specializes in computer simulation of the transmission and public health control of HIV and other infectious disease epidemics. His primary research interests include the epidemiology of HIV and sexually transmitted diseases, theoretical population vaccinology, Phase III HIV vaccine trial design, and health economic evaluations of public health policies for vaccination and preventative intervention programs. Dr. Barth-Jones has conducted research in collaboration with the Ministries of Health in China, Brazil, Peru, Kenya, and Thailand, and he has been a frequent scientific advisor to WHO, UNAIDS, and IAVI. Dr. Barth-Jones is also a nationally recognized expert in the area of statistical disclosure analysis and control, where his work focuses on the development of statistical and geospatial disclosure control methodologies to help assure the confidentiality and privacy of healthcare data in compliance with the HIPAA Privacy Rule. He has given scientific presentations and conducted educational training on HIPAA Privacy regulations to numerous healthcare information organizations, healthcare delivery organizations, state and federal agencies and organizations, and within academia.



## YOCHAI BENKLER

*Jack N. and Lillian R. Berkman Professor for Entrepreneurial Legal Studies, Faculty Co-Director, Berkman Klein Center for Internet and Society, Harvard Law School*

Yochai Benkler is the Berkman Professor of Entrepreneurial Legal Studies at Harvard Law School, and faculty co-director of the Berkman Klein Center for Internet and Society at Harvard University. His books include *The Wealth of Networks: How Social Production Transforms Markets and Freedom* (Yale University Press 2006), which won academic awards from the American Political Science Association, the American Sociological Association, and the McGannon award for social and ethical relevance in communications. In 2012 he received a lifetime achievement award from Oxford University in recognition of his contribution to the study and public understanding of the Internet and information goods. His work is socially engaged, winning him the Ford Foundation Visionaries Award in 2011, the Electronic Frontier Foundation's Pioneer Award for 2007, and the Public Knowledge IP3 Award in 2006. It is also anchored in the realities of markets, cited as "perhaps the best work yet about the fast moving, enthusiast-driven Internet" by *Financial Times* and named best business book about the future in 2006 by *Strategy and Business*. Professor Benkler has advised governments and international organizations on innovation policy and telecommunications, and serves on the boards or advisory boards of several nonprofits engaged in working towards an open society.

# Speakers



## LAURA BRANDIMARTE

*Assistant Professor, Management Information Systems Department, Eller College of Management, University of Arizona*

Laura Brandimarte is an assistant professor at the Eller College of Management, University of Arizona. Professor Brandimarte's research focuses on the behavioral aspects of privacy and the consequences of disclosing personal information, especially on social media. Her articles have appeared in publications such as the *Journal of Experimental Psychology: General*, the *Journal of Experimental Social Psychology*, *Science*, the *Rivista di Politica Economica*, and the *Social Psychological and Personality Science*. She received an undergraduate degree in economics from the University of Rome; an MS in economics from the London School of Economics; and an MPhil in public policy and management and PhD from Carnegie Mellon University.



## NEIL CHILSON

*Senior Research Fellow for Technology and Innovation, Charles Koch Institute*

Neil Chilson is a Senior Research Fellow for Technology and Innovation at the Charles Koch Institute. He supports the Institute's continued efforts to foster an environment that encourages innovation and the individual and societal progress it makes possible. Mr. Chilson was appointed the Federal Trade Commission's (FTC) acting chief technologist in July 2017. His work focused on understanding the economics of privacy, convening a workshop on informational injury, and establishing the FTC's Blockchain Working Group, among other things. Prior to his appointment, he was an advisor to then-Acting FTC Chairman Maureen K. Ohlhausen. In both roles he advised Chairman Ohlhausen and worked with Commission staff on nearly every major technology-related case, report, workshop, or other proceeding since January 2014, when he joined her office. Before he joined the FTC, Mr. Chilson practiced telecommunications law at Wilkinson Barker Knauer, LLP. Mr. Chilson holds a law degree from the George Washington University Law School, a master's degree in computer science from the University of Illinois, Urbana-Champaign, and a bachelor's degree in computer science from Harding University.



## I. GLENN COHEN

*James A. Attwood and Leslie Williams Professor of Law, Faculty Director, Petrie-Flom Center for Health Law Policy, Biotechnology & Bioethics, Harvard Law School*

I. Glenn Cohen is the James A. Attwood and Leslie Williams Professor of Law at Harvard Law School and director of the Petrie-Flom Center for Health Law Policy, Biotechnology and Bioethics. His current projects relate to big data, health information technologies, mobile health, reproduction/reproductive technology, research ethics, organ transplantation, rationing in law and medicine, health policy, FDA law, translational medicine, and to medical tourism. From Seoul to Krakow to Vancouver, Professor Cohen has spoken at legal, medical, and industry conferences around the world and his work has appeared in or been covered on PBS, NPR, ABC, CNN, MSNBC, *Mother Jones*, *The New York Times*, the *New Republic*, the *Boston Globe*, and several other media venues. He is the author of more than 100 articles and chapters and his award-winning work has appeared in leading legal, medical, bioethics, scientific, and public health journals, as well as op-eds in the *New York Times* and *Washington Post*. Professor Cohen is the author, co-author, editor, or co-editor of 12 books, which include most recently, *Health Care Law and Ethics* (Aspen, 2018) and *Big Data, Health Law, and Bioethics* (Cambridge University Press, 2018).



# Speakers



## **KELLY CRANDALL**

*Manager of Utility Engagement, Institute for Market Transformation*

Kelly Crandall is the Manager of Utility Engagement at the Institute for Market Transformation (IMT) and oversees IMT's vision to align local governments, utilities, and utility regulators around critical climate and energy goals. She brings nearly a decade of experience in utility regulation, having served as an expert witness or analyst on behalf of local government and distributed energy resource providers in regulatory proceedings covering more than a dozen states. Prior to joining IMT, Ms. Crandall worked at EQ Research, where she provided analysis and support to distributed energy resource clients in rate cases and grid modernization proceedings. She also advised community choice aggregators in California on regulatory compliance and delivered trainings for local government staff on regulatory issues that impact cities. Previously, she was the Energy Strategy Coordinator for the City of Boulder, Colorado, where she managed risk mitigation and ratemaking initiatives related to municipalization of the electric utility. She was also Boulder's expert witness at the Colorado Public Utilities Commission on data access, energy efficiency, and grid modernization proceedings. She successfully led a coalition of Colorado communities to open up access to energy data for public policy through commission rulemakings. Ms. Crandall holds a BA from the University of Florida and a JD from the University of Colorado Law School, where she specialized in utilities regulation.



## **DEVEN DESAI**

*Associate Professor, Area Coordinator for Law and Ethics, Georgia Institute of Technology Scheller College of Business*

Deven Desai is associate professor at Georgia Institute of Technology Scheller College of Business. Prior to joining Scheller, Professor Desai was an associate professor of law at the Thomas Jefferson School of Law. He was also the first Academic Research Counsel at Google, Inc., and a visiting fellow at Princeton University's Center for Information Technology Policy. Professor Desai's scholarship examines how business interests, new technology, and economic theories shape privacy and intellectual property law and where those arguments explain productivity or where they fail to capture society's interest in the free flow of information and development. His work has appeared in leading law reviews and journals including the *Georgetown Law Journal*, *Minnesota Law Review*, *Notre Dame Law Review*, *Wisconsin Law Review*, *U.C. Davis Law Review*, *Florida Law Review*, and *Brigham Young University Law Review*. Prior to academia, he was a litigator handling intellectual property and technology matters with Quinn, Emanuel, Urquhart, & Sullivan, LLP, in-house counsel for an idealab! Internet infrastructure company, and part of policy and fundraising teams on the 2002 Cory Booker for Mayor campaign. Professor Desai has been interviewed by *The New York Times* and the news show, *Take Part Live*. He blogs at *Concurring Opinions* and *Madisonian*. He is a graduate of the University of California, Berkeley with highest honors and the Yale Law School, where he was co-editor-in-chief of the *Yale Journal of Law & the Humanities*.



## **ANDREW G. FERGUSON**

*Professor of Law, University of the District of Columbia David A. Clarke School of Law*

Andrew Guthrie Ferguson is professor of law at the David A. Clarke School of Law at the University of the District of Columbia, where he teaches and writes in the area of criminal law, criminal procedure, and evidence. He is a national expert on juries, predictive policing, and the Fourth Amendment. His articles have appeared in the *University of Pennsylvania Law Review*, the *California Law Review*, the *Northwestern Law Review*, the *University of Southern California Law Review*, the *Notre Dame Law Review*, and the *Emory Law Journal*. Professor Ferguson's book *Why Jury Duty Matters: A Citizen's Guide to Constitutional Action* (NYU Press) is the first book written for jurors on jury duty. He stars in the "Welcome To Jury Duty Video" in DC Superior Court seen by more than 30,000 citizens annually. His legal commentary has been featured in numerous media outlets, including CNN, NPR, *The Economist*, *The Washington Post*, *USA Today*, the *ABA Journal*, *The Atlantic* (digital), *The Huffington Post*, and other national and international newspapers, magazines, and media sites.

# Speakers



## CATHERINE FITCH

*Associate Director, Institute for Social Research and Data Innovation, University of Minnesota*

Catherine Fitch is the associate director of the Institute for Social Research and Data Innovation and founding co-director of the Minnesota Research Data Center (MnRDC) at the University of Minnesota. Previously, she worked as a graduate research assistant on the Historical Census Projects in the History Department. As a Census Bureau Research Data Center, the MnRDC provides access to restricted and confidential data. Throughout her career, Dr. Fitch has been closely involved in the creation of several MPC databases, including IPUMS (USA and International) and Terra Populus. Her own research focuses on historical demography and marriage formation in the United States from the nineteenth century to the present. Recently she has also extended her research into understanding the implications of recent trends in family formation for children's well-being. Dr. Fitch received her BA from Saint Olaf College; and her MA, MPP, and PhD from the University of Minnesota.



## SIMSON L. GARFINKEL

*Senior Computer Scientist for Confidentiality and Data Access, US Census Bureau*

Simson Garfinkel is the senior computer scientist for Confidentiality and Data Access at the US Census Bureau. He holds seven US patents and has published more than 50 research articles in computer security and digital forensics. He is a fellow of the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronics Engineers (IEEE), and a member of the National Association of Science Writers. His most recent book is *The Computer Book*, which features 250 chronologically arranged milestones in the history of computing. As a journalist, he has written about science, technology, and technology policy in the popular press since 1983, and has won several national journalism awards. Dr. Garfinkel received three BS degrees from Massachusetts Institute of Technology (MIT) in 1987, an MS in journalism from Columbia University in 1988, and a PhD in computer science from MIT in 2005.



## SVETLANA S. GANS

*Vice President & Associate General Counsel, NCTA - The Internet & Television Association*

Svetlana Gans is the vice president and associate general counsel at NCTA – The Internet & Television Association. Prior to joining NCTA in 2018, Ms. Gans was Chief of Staff to then-Acting Chairman Maureen Ohlhausen at the Federal Trade Commission (FTC), where she oversaw agency operations, led several agency process, regulatory, and transparency reforms, served as the Acting Chairman's principal inter-governmental and stakeholder liaison, and advised the Acting Chairman on both competition and consumer protection issues, including privacy and data security. Prior to being named Chief of Staff, Ms. Gans served as then-Commissioner Ohlhausen's Attorney Advisor and a senior litigation and investigative attorney within the Bureaus of Competition and Consumer Protection. Ms. Gans was in private practice before joining the FTC in 2010. She has served in ABA Antitrust Section leadership for over a decade, currently serving as co-chair of the Section's Consumer Protection Committee was recently nominated to serve on Council, for a three-year term beginning in August, 2018, and has also been active with the Federal Communications Bar Association and the Women's Bar Association of the District of Columbia. Ms. Gans received her JD from the University of Denver College of Law, and her undergraduate degrees from Boston University.

# Speakers



## DANIEL GILMAN

*Attorney Advisor, Federal Trade Commission*

Daniel J. Gilman, JD, PhD, is an attorney advisor in the Federal Trade Commission's (FTC) Office of Policy Planning, where he works on competition issues in health care and technology markets and, more broadly, on the impact of regulation on competition. Mr. Gilman was the 2014-15 Victor H. Kramer Foundation Fellow, visiting Harvard Law School from the FTC. He co-authored the FTC staff policy paper, *Policy Perspectives: Competition and the Regulation of Advanced Practice Nurses*, contributed to the FTC Staff Report on Broadband Connectivity Competition Policy, and has been published in journals such as the *Georgetown Law Journal*, *Health Matrix*, *Journal of Health Care Law & Policy*, *Behavioral & Brain Sciences*, and the *British Journal for the Philosophy of Science*. He came to the FTC from the University of Maryland, where he taught law and economics, health and science law, and torts. Before that, he was in private practice in Washington, DC and an Olin Fellow and adjunct professor of law at Georgetown University, where he taught law and economics.



## AVI GOLDFARB

*Ellison Professor of Marketing, Rotman Chair in Artificial Intelligence and Healthcare, Rotman School of Management, University of Toronto*

Avi Goldfarb is the Rotman Chair in Artificial Intelligence and Healthcare and a professor of marketing at the Rotman School of Management, University of Toronto. Dr. Goldfarb is also chief data scientist at the Creative Destruction Lab, senior editor at *Marketing Science*, and a research associate at the National Bureau of Economic Research. His research focuses on the opportunities and challenges of the digital economy. He has published over 70 academic articles in a variety of outlets in marketing, statistics, law, computing, and economics. This work has been discussed in White House reports, congressional testimony, European Commission documents, the *Economist*, the *Globe and Mail*, the *National Post*, CBC Radio, National Public Radio, *Forbes*, *Fortune*, *The Atlantic*, *The New York Times*, the *Financial Times*, *The Wall Street Journal*, and elsewhere. Along with Ajay Agrawal and Joshua Gans, Dr. Goldfarb is the author of the *Globe & Mail* bestselling book *Prediction Machines: The Simple Economics of Artificial Intelligence*. He has a BA from Queen's University (Ontario), and MA and PhD in economics from Northwestern University.



## JUSTIN 'GUS' HURWITZ

*Associate Professor of Law, Co-Director of Space, Cyber, and Telecom Law Program, University of Nebraska Lincoln College of Law*

Gus Hurwitz joined the University of Nebraska College of Law faculty in 2013. His work builds on his background in law, technology, and economics to consider the interface between law and technology and the role of regulation in high-tech industries. He has a particular expertise in telecommunications law and technology. Professor Hurwitz previously was the inaugural research fellow at the University of Pennsylvania Law School's Center for Technology, Innovation, and Competition (CTIC), prior to which he was a visiting assistant professor at George Mason University School of Law. From 2007 to 2010, he was a trial attorney with the US Department of Justice Antitrust Division in the Telecommunications and Media Enforcement Section. Professor Hurwitz has a background in technology, having worked at Los Alamos National Lab and interned at the Naval Research Lab prior to law school. Professor Hurwitz received his JD from The University of Chicago Law School, where he was an articles editor on the *Chicago Journal of International Law* and received Olin and MVP2 law and economics scholarships. He also holds a MA in economics from George Mason University and received his BA from St. John's College.



# Speakers



## ROSLYN LAYTON

*Visiting Scholar, American Enterprise Institute*

Roslyn Layton is a visiting scholar at the American Enterprise Institute, where she focuses on evidence-based policy for information, communications, and digital technology industries. Using empirical methods, she assesses regulations and policies for digitally connected domains such as mobile wireless, telecom, cable, internet, online advertising, e-government, media, software, financial technology (fintech), and telehealth, among others. Dr. Layton is also a visiting researcher at Aalborg University Center for Communication, Media, and Information Technologies and a vice president at Strand Consult, both in Denmark. Dr. Layton served on the 2016–17 Federal Communications Commission Presidential Transition Team. She has worked on the adoption of technology by emerging countries, produced independent research on the mobile technology industry, and studied issues such as information technology, telehealth care, and fintech for a variety of firms. She has worked in Europe, India, and the United States. Her studies and reports include “How Title II Harms Consumers and Innovators” (AEI, 2017) and “Beyond Net Neutrality: Policies for Leadership in the Information, Computing, and Network Industries” (AEI, 2016). In the popular press, she has been published in *The Wall Street Journal*, *US News & World Report*, and *Forbes*, among others. Dr. Layton has a PhD in business economics from Aalborg University, an MBA from the Rotterdam School of Management, and a BA in international service from American University.



## SIONA R. LISTOKIN

*Associate Professor, Director, Master of Public Policy Program, George Mason University Schar School of Policy and Government*

Siona Listokin is an associate professor and director of the Master of Public Policy Program at George Mason University's Schar School of Policy and Government. She received her PhD in business and public policy from the Haas School of Business at the University of California, Berkeley, and her BS from the Wharton School at the University of Pennsylvania. Dr. Listokin's research interests include financial regulation and competition, public finance, and corporate governance. Dr. Listokin has published articles in the *Journal of Financial Regulation and Compliance*, the *International Journal of Corporate Governance*, *Health Management, Policy and Innovation*, and the *IUP Journal of Governance and Public Policy*. She is currently the principal investigator on a research grant that examines investment networks between institutional investors, including public pension funds and hedge funds. Dr. Listokin teaches masters and doctoral courses on research methods, public finance, microeconomics, and corporate social responsibility. She is especially interested in researching and applying pedagogical best practices in teaching research methods and applied economics.



## MICHAEL MANDEL

*Chief Economic Strategist, Progressive Policy Institute*

Michael Mandel is chief economic strategist at the Progressive Policy Institute (PPI) in Washington, where he supervises PPI's research and policy work across a wide range of topics, including the data-driven economy, the impact of regulation on innovation, and policies to improve production, investment, and job growth in the US and globally. Dr. Mandel was co-principal investigator for a Sloan Foundation grant on “Measuring the Impact of Globalization” and has testified before Congress on impact of regulation on innovation. He holds an appointment as senior fellow at Wharton's Mack Institute for Innovation Management at the University of Pennsylvania, and serves as president and founder of South Mountain Economics LLC. South Mountain Economics's research reports on the App Economy have been cited in a recent White House report, and publications such as *The New York Times*, *Bloomberg*, *Boston Globe*, the *Financial Times*, the *Atlantic*, *Time*, and *Forbes*. Dr. Mandel received a PhD in economics from Harvard University and formerly served as chief economist at *BusinessWeek*, where he was named one of the top 100 business journalists of the 20th century for his writings on innovation and growth. He received multiple awards for his work, including the Gerald Loeb Award for Business and Financial Journalism and is the author of four books including *Rational Exuberance: Silencing the Enemies of Growth* and *Why the Future Is Better Than You Think*.

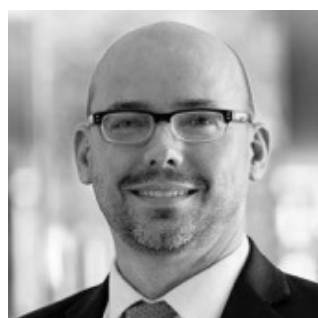
# Speakers



## **MICHELLE RICHARDSON**

*Director of the Data and Privacy Project, Center for Democracy and Technology*

Michelle Richardson is the director of the Data and Privacy Project at the Center for Democracy and Technology (CDT) where she leads the efforts to create a user-centered internet. Her team engages companies and government officials to create policies and technical solutions that protect individual privacy, empower users, and advance social justice. Ms. Richardson has testified before Congress, advised government agencies, and frequently appears in national press such as *The Washington Post*, *The New York Times*, *NPR*, and *Politico*. Recognized by *The Hill* as one of the most influential nonprofits lobbyists in Washington, she has led left-right coalitions to defend privacy in the face of ever-expanding government authorities. Before joining CDT in 2017, Ms. Richardson led the American Civil Liberties Union's preeminent legislative campaigns against overreaching surveillance programs for 10 years. She also served as a democratic counsel for the House Judiciary Committee where she worked on a range of anti-terrorism laws and policies. She received her BA from the University of Colorado and her JD from American University, Washington College of Law. She currently serves as a senior fellow at George Washington University's Center for Cyber and Homeland Security.



## **SASHA ROMANOSKY**

*Policy Researcher, RAND Corporation*

Sasha Romanosky is a policy researcher at the RAND Corporation, a faculty member of the Pardee RAND Graduate School, and an affiliated faculty in the Program on Economics & Privacy at George Mason University Antonin Scalia Law School. Mr. Romanosky holds a PhD in public policy and management from Carnegie Mellon University and a BS in electrical engineering from the University of Calgary, Canada. He was a Microsoft research fellow in the Information Law Institute at New York University School of Law, and a security professional in the financial and e-commerce industries. He is also the co-author of the *Common Vulnerability Scoring System (CVSS)*. He is a former Cyber Policy Advisor in the Office of the Secretary of Defense for Policy at the Pentagon. He oversaw the Defense Department's Vulnerability Equities Process, the Vulnerability Disclosure Program, and other cyber policy matters, for which he received the Defense Medal for Exceptional Public Service. Mr. Romanosky has published in the *Journal of Policy Analysis and Management*, the *Journal of Empirical Legal Studies*, the *Journal of Cybersecurity*, the *Journal of National Security Law and Policy*, and the *Berkeley Technology Law Journal*.



## **ANDREW E. STIVERS**

*Deputy Director for Consumer Protection, Federal Trade Commission*

Andrew Stivers is deputy director for consumer protection in the Bureau of Economics at the Federal Trade Commission (FTC). Prior to joining the FTC, Mr. Stivers held several titles at the Center for Food Safety and Applied Nutrition at the Food and Drug Administration, including acting deputy of the Office of Analytics and Outreach (2013 to 2014), director of public health informatics and analytics (2011 to 2014), and senior economist (2008 to 2011). Mr. Stivers publications include "Voluntary Quality Disclosure Under Price-signaling Competition" (with F. Caldieraro and D. Shin) in *Managerial and Decision Economics* (2011), "Pricing in Retail Gasoline Markets" (with S. Russell, S. McMullen and S. Mishra) in the *Journal of the Transportation Research Forum* (2010), and "Regulating Market Language: Market Failure in Descriptive Signals" in the *Journal of Consumer Policy* (2009). Prior to his government service, Mr. Stivers was an assistant professor in the department of economics at Oregon State University (2001-2008). He received his PhD from the University of Texas at Austin in 2001.

# Speakers



## NICOL E. TURNER-LEE

*Fellow, Governance Studies, Center for Technology Innovation, Brookings Institution*

Nicol E. Turner-Lee is a fellow at the Center for Technology Innovation at the Brookings Institution, a part of the Brookings' Governance Studies programme. Prior to the role, she was the vice president and chief research and policy officer for the Multicultural Media, Telecom and Internet Council (MMTC), a national nonprofit organization dedicated to promoting and preserving equal opportunity and civil rights in the mass media, telecommunications and broadband industries. Now at Brookings, she researches public policy designed to enable equitable access to technology across the United States. Prior to joining MMTC, Dr. Turner-Lee was vice president and the first director of the Media and Technology Institute at the Joint Center for Political and Economic Studies, the nation's leading think tank on issues related to African Americans and other people of color. Dr. Turner-Lee graduated from Colgate University *magna cum laude* and has an MA and a PhD in sociology from Northwestern University. She also holds a Certificate in Nonprofit Management from the University of Illinois–Chicago.



## LIAD WAGMAN

*Associate Professor of Economics, Illinois Institute of Technology Stuart School of Business*

Liad Wagman is associate professor of economics at the Illinois Institute of Technology Stuart School of Business in Chicago. Dr. Wagman works on topics in the areas of information economics, industrial organization, and entrepreneurial finance, studying issues of information utilization and trade, innovation, e-commerce, and privacy. Dr. Wagman is a recipient of the Sigma Xi University Research Award, the Bauer Family Excellence in Teaching Award, the Yahoo! Labs Research and Engagement Award, and has been selected into Poets & Quants 2015 Top 40 Business School Faculty Under 40. He was a visiting assistant professor of managerial economics and decision sciences at Northwestern University's Kellogg School of Management, a research fellow at the Duke University Computer Science Department, a research fellow at the Duke University Social Sciences Research Institute, a recipient of the Program for Advanced Study in the Social Sciences Fellowship, a recipient of the Educational and Research Initiative Award, and a recipient of the International Conference on Artificial Intelligence (AAAI) Outstanding Paper Award. Dr. Wagman's work is published in academic journals including the *RAND Journal of Economics*, the *American Economic Journal: Microeconomics*, the *Journal of Corporate Finance*, and *Marketing Science*.