

Location Data in the Context of Public Health, Research, and Law Enforcement: An Exploration of Governance Frameworks - A Workshop

Committee

Caroline Buckee

Co-Chair

Dr. Caroline Buckee is a Professor of Epidemiology and the Associate Director of the Centre for Communicable Disease Dynamics at Harvard T.H. Chan School of Public Health. She serves as an Associate Faculty member at the Wellcome Sanger Institute in Cambridge, UK, and is a co-founder of Crisis Ready (crisisready.io), a platform to build a data-driven approach to crisis response. Her work is focused on understanding the mechanisms driving the spread of infectious diseases that impact the most vulnerable populations worldwide, particularly malaria. She is interested in the impact of human mobility and migration on the spread and control of pathogens. Dr. Buckee's group uses a range of mathematical models, experimental and genomic data, and "Big Data" from mobile phones and satellites to understand how human mobility patterns spread pathogens and may be used to inform public health interventions. She works closely with government partners, researchers, and control programs in Bangladesh and India to support training and research for epidemic response and molecular surveillance. Before coming to Harvard, Dr. Buckee completed a Masters at the University of York and the Wellcome Sanger Institute, a D.Phil. at the University of Oxford, and Omidyar and Wellcome Trust fellowships at the Santa Fe Institute and the Kenya Medical Research Institute, respectively, where she analyzed malaria parasite evolution and epidemiology. Her work has appeared in high profile scientific journals such as Science, Nature, and PNAS, as well as being featured in the popular press, including CNN, The New Scientist, Voice of America, NPR, and ABC. Dr. Buckee was chosen as one of MIT Tech Review's 35 Innovators Under 35, a CNN Top 10: Thinker, and one of Foreign Policy Magazine's Global Thinkers.

Paul Ohm

Co-Chair

Paul Ohm is a Professor of Law at the Georgetown University Law Center in Washington, D.C, where he also serves as the Chief Data Officer and Associate Dean for the Office of the Registrar. In his research, service, and teaching, Professor Ohm builds bridges between computer science and law, utilizing his training and experience as a lawyer, policymaker, computer programmer, and network systems administrator. His research focuses on information privacy, computer crime law, surveillance, technology and the law, and artificial intelligence and the law.

Professor Ohm has published landmark articles about the failure of anonymization, the Fourth Amendment and new technology, and broadband privacy. He started his legal career as a federal prosecutor in the U.S. Department of Justice's Computer Crime and Intellectual Property Section. More recently, he served as a Senior Policy Advisor for Privacy to the Federal Trade Commission and to the U.S. Commission on Evidence-Based Policymaking as an Obama White House appointee. Professor Ohm received a law degree from UCLA and degrees in Computer Science and Electrical Engineering from Yale University. Before law school, he helped administer and protect the computer networks of the RAND Corporation and Yale.

Yves-Alexandre de Montjoye

Member

Yves-Alexandre de Montjoye is an Associate Professor at Imperial College London. He currently is a Special Adviser on AI and Data Protection to EC Justice Commissioner Reynders and a Parliament-appointed expert to the Belgian Data Protection Agency (APD-GBA). In 2018-2019, he was a Special Adviser to EC Competition Commissioner Vestager co-authoring the Competition Policy for the Digital Era report. His research has been published in Science and Nature Communications and has enjoyed wide media coverage (BBC, CNN, New York Times, Wall Street Journal, Harvard Business Review, etc.). His work on the shortcomings of anonymization has appeared in reports of the World Economic Forum, FTC, European Commission, and the OECD.

Yves-Alexandre worked for the Boston Consulting Group and acted as an expert for both the Bill and Melinda Gates Foundation and the United Nations. He received his PhD from MIT in 2015 and obtained, over a period of 6 years, an M.Sc. from UCLouvain in Applied Mathematics, an M.Sc. (Centralien) from Ecole Centrale Paris, an M.Sc. from KULeuven in Mathematical Engineering as well as his B.Sc. in engineering from UCLouvain.

Jasmine E. McNealy

Member

Jasmine McNealy is an Associate Professor in the department of Media Production, Management & Technology at the University of Florida, where she is also the Associate Director of the Marion B. Brechner First Amendment Project. Her research focuses on media, technology, and law with an emphasis on privacy, surveillance and data governance. She is a visiting fellow at the Shorenstein Center for Media, Politics, and Public Policy at the Harvard University Kennedy School and a Faculty Associate at the Berkman Klein Center for Internet & Society. She earned a Phd in Mass Communication and a law degree at the University of Florida.

Stephanie Pell

Member

Stephanie Pell is a Fellow in Governance Studies at the Brookings Institution and a Senior Editor at Lawfare. Prior to joining Brookings, she was an Associate Professor (with tenure) and Cyber Ethics Fellow at West Point's Army Cyber Institute, with a joint appointment to the Department of English and Philosophy, where she designed and taught West Point's first Cyber Ethics course. Her scholarly work focuses on cyber ethics, cybersecurity law and policy, cyberwarfare and conflict, surveillance, privacy, national security law and policy, and the impact of technology upon racial equity. Stephanie's work, which includes scholarship on law enforcement access to location data and IMSI Catcher surveillance technology, has been published in several law journals, including the Harvard Journal of Law and Technology, the Berkeley Technology Law Journal, the Yale Journal of Law and Technology, and the Connecticut Law Review, as well as in the popular national magazine Wired.

Prior to joining West Point's faculty, Stephanie served as a Majority Counsel to the House Judiciary Committee and lead counsel on both Electronic Communications Privacy Act (ECPA) reform and PATRIOT Act reauthorization during the 111th Congress. She was also a federal prosecutor for over fourteen years, working as a Senior Counsel to the Deputy Attorney General, as a Counsel to the Assistant Attorney General of the National Security Division, and as an Assistant U.S. Attorney in the U.S. Attorney's Office for the Southern District of Florida. Stephanie was a lead prosecutor in U.S. v. Jose Padilla (American Citizen detained as an enemy combatant prior to criminal indictment, trial, and conviction on various terrorism charges), for which she received the U.S. Attorney General's Exceptional Service Award, and in U.S. v. Conor Claxton (IRA operatives who purchased weapons in South Florida and smuggled them into Belfast, Northern Ireland during peace process negotiations). She received her undergraduate, masters and law degrees at the University of North Carolina at Chapel Hill.

Navin Vembar

Member

Currently, Navin Vembar is a Principal Engineer for software development firm Atlassian. Prior to that, he worked with location data as the CTO and Co-Founder of Camber Systems, which processed location data, primarily for the purpose of understanding population-level movement to support COVID mitigations. He did this work in collaboration with Direct Relief and the Harvard School of T. H. Chan School of Public Health.

He has a PhD in Mathematics from UNC-Chapel Hill.

Steven R. Kendall

Staff Officer