

Contributors

Farzaneh Badiei is a research scholar at Yale Law School, leading the Social Media Governance Initiative. Prior to that she was a research associate at the Georgia Institute of Technology, School of Public Policy, and the Executive Director of the Internet Governance Project. For nearly a decade, she has been a part of the Internet governance research and professional community. She has conducted research at the Humboldt Institute for Internet and Society and the Syracuse School of Information Studies. She received her PhD from the University of Hamburg, Institute of Law and Economics.

Davide Beraldo is a postdoctoral researcher in the DATACTIVE and ALEX projects, and a Lecturer in New Media and Digital Culture at the Department of Media Studies, University of Amsterdam. He holds a PhD (cum laude) in sociology from the University of Amsterdam and the University of Milan, and a master (cum laude) in social sciences. He is currently working on investigating political biases in recommendation systems of popular social media and on developing a Social Movement Studies framework for the conceptualization of data activism. In his PhD dissertation, he explored the epistemological and methodological implications of the digital mediation of social movements, investigating large datasets of social media data related to the Occupy and Anonymous protest movements. He has a background in computer programming and has worked as a freelance developer and consultant for political and market research agencies. His research interests include digital sociology, social movements, algorithms, online networks, and epistemology of complexity.

Sandra Braman is Professor of Communication and Abbott Professor of Liberal Arts at Texas A&M University. Her books include *Change of State: Information, Policy, and Power* (currently undergoing revision for a second edition) and the edited volumes *Biotechnology and Communication: The Meta-technologies of Information*; *The Emerging Global Information Policy Regime*; and *Communication Researchers and Policy-Making*, and she has written almost 100 scholarly journal articles and book chapters. She is editor of the Information Policy Series at MIT Press and Fellow of the International Communication Association. She is former chair of the Communication Law and Policy Division of the International Communication Association and former head of the Law Section of the International Association of Media and Communication

Research. Her research has been funded by the Rockefeller Foundation, Ford Foundation, Soros Foundation, and the US National Science Foundation.

Ronald J. Deibert is Professor of Political Science and Director of the Citizen Lab at the Munk School of Global Affairs and Public Policy, University of Toronto. The Citizen Lab undertakes interdisciplinary research at the intersection of global security, information and communication technologies, and human rights. The research outputs of the Citizen Lab are routinely covered in global media, including over two dozen reports receiving front page coverage in the *New York Times*, *Washington Post*, and other media over the last decade. He is the author of *Black Code: Surveillance, Privacy, and the Dark Side of the Internet* (Random House, 2013) and numerous books, chapters, articles, and reports on Internet censorship, surveillance, and cybersecurity. In 2013 he was appointed to the Order of Ontario and awarded the Queen Elizabeth II Diamond Jubilee medal, for being “among the first to recognize and take measures to mitigate growing threats to communications rights, openness and security worldwide.”

Wendy Hall, DBE, FRS, FREng, is Regius Professor of Computer Science at the University of Southampton, UK, and an executive director of the Web Science Institute at Southampton. Her influence as one of the first to undertake serious research in multimedia and hypermedia has been significant in many areas, including digital libraries, the development of the Semantic Web, and the emerging discipline of web science. She became a Dame Commander of the British Empire in 2009 and is a fellow of the Royal Society. She has been president of the Association for Computing Machinery, senior vice president of the Royal Academy of Engineering, and a member of the UK Prime Minister’s Council for Science and Technology. She was a founding member of the European Research Council and chair of the European Commission’s Information Society Technologies Advisory Group, a member of the Global Commission on Internet Governance, and a member of the World Economic Forum’s Global Futures Council on the Digital Economy. Dame Wendy was cochair of the UK government’s review of artificial intelligence, *Growing the Artificial Intelligence Industry in the UK* (2017), and became the UK government’s first Skills Champion for AI in the UK in 2018.

Jeanette Hofmann is a political scientist with a focus on Internet regulation. At the WZB Berlin Social Science Center she heads the research group Politics of Digitalization, which studies how today’s societies make sense of and shape the digital transformation. The group examines processes of digitalization both as a resource of political governance (regulation through digitalization) and as an object of political decision-making (regulation of digitalization). She is Professor of Internet Politics at the Freie Universität Berlin, Director and Founder of the Berlin-based Alexander von Humboldt Institute for Internet and Society, and principal investigator at the newly founded Weizenbaum Institute for the Networked Society. At the latter institute, she heads two research groups, one on digitalization and democracy and one on quantification

and regulation. Her two current research foci are platform governance and democratic change. In addition to her academic work, she has been involved in various political processes such as the UN World Summit on the Information Society and the Internet Governance Forum on the international level and, as an expert member, in the Internet and Digital Society committee of inquiry of the German Parliament on the national level. At present she is a member of the expert group to the EU Observatory on the Online Platform Economy. She also heads two national academic expert commissions, one on digitalization and democracy (Academy of Sciences Leopoldina) and one on youth engagement in the digital age (German government).

Eric Jardine is an assistant professor of political science at Virginia Tech and a fellow at the Centre for International Governance Innovation. His research focuses on the uses and abuses of the Dark Web, the measurement of trends in cybercrime data, and the politics surrounding anonymity-granting technologies and encryption. His work has been published in a number of peer-reviewed outlets, including *New Media & Society*, *International Journal of Drug Policy*, *Journal of Cyber Policy*, *First Monday*, *Intelligence and National Security*, *Terrorism and Political Violence*, and *Studies in Conflict and Terrorism*. He is the coauthor, with Fen Hampson, of *Look Who's Watching: Surveillance, Treachery and Trust Online* (CIGI/MQUP, 2017).

Rikke Frank Jørgensen is a Senior Researcher at the Danish Institute for Human Rights in Copenhagen. Her research focuses on the intersection between human rights and technology and covers issues such as the role of private actors in the online domain, Internet users' human rights, and Internet regulation and governance. Besides her scholarly activities, she has served as an adviser to the Danish government, participated in the Council of Europe's Committee on Human Rights for Internet Users, and been closely involved in civil society networks such as European Digital Rights. Her most recent book (as editor), *Human Rights in the Age of Platforms* (MIT Press, 2019) examines the human rights implications of the social web, through the lens of datafication, platforms, and human rights regulation.

Aastha Madaan is a senior data scientist in the Advanced Digital Engineering group at Arup, London. She is responsible for leading the technical delivery of data-driven products and analytical and machine learning projects for the aviation, infrastructure, and cities sectors. She is a visiting research fellow at the School of Electronics and Computer Science, University of Southampton, working on design of a data sharing infrastructure for cognitive IoT ecosystems. Previously she worked as a research fellow at the University of Southampton on research problems and design of an IoT test bed for secure data sharing, innovation, privacy, and data security. She received her PhD in computer science from the Database Laboratory at the University of Aizu, Fukushima, Japan, in 2014 and has a master's degree in computer science from the University of Delhi, India (2006–2008). Her research interests include data innovation in cognitive IoT, data science, and emerging technologies such as edge computing and artificial intelligence.

Stefania Milan (stefaniamilan.net) is Associate Professor of New Media and Digital Culture at the University of Amsterdam. Her research explores the intersection of digital technology, governance, and activism, with emphasis on critical data practices and autonomous infrastructure. She enjoys creating bridges between research, activism, and policy making, and is passionate about methodological innovation. Her work has received funding from, among others, the European Research Council and the Dutch Research Council (NWO). Stefania holds a PhD in political and social sciences from the European University Institute. Prior to joining the University of Amsterdam, she worked at the Citizen Lab (University of Toronto), Tilburg University, Central European University, the University of Lucerne (Switzerland), and the Robert Schuman Center for Advanced Studies at the European University Institute. Stefania is the author of *Social Movements and Their Technologies: Wiring Social Change* (Palgrave Macmillan, 2013) and coauthor of *Media/Society* (Sage, 2011). In 2019, she coedited a special issue of the journal *Policy and Internet* dedicated to Internet Infrastructure and Human Rights. As a digital rights advocate, she has been vocal in Internet governance and cybersecurity circles.

Milton L. Mueller is Professor in the School of Public Policy at the Georgia Institute of Technology. He is an internationally prominent scholar specializing in the political economy of information and communication. The author of seven books and scores of journal articles, his work informs public policy, science and technology studies, law, economics, communications, and international studies. His books *Will the Internet Fragment? Sovereignty, Globalization and Cyberspace* (Polity, 2017), *Networks and States: The Global Politics of Internet Governance* (MIT Press, 2010), and *Ruling the Root: Internet Governance and the Taming of Cyberspace* (MIT Press, 2002) are acclaimed scholarly accounts of the global governance regime emerging around the Internet. He is the cofounder and director of the Internet Governance Project, which has played a prominent role in shaping global Internet policies and institutions such as ICANN and the Internet Governance Forum. He has participated in proceedings and policy development activities of ICANN, the International Telecommunication Union, and the US National Telecommunications and Information Administration (NTIA) and regulatory proceedings of the European Commission, China, Hong Kong, and New Zealand. He has served as an expert witness in prominent legal cases related to domain names and telecommunication policy. He was elected to the Advisory Committee of the American Registry for Internet Numbers from 2013 to 2016 and appointed in 2014 to the Internet Assigned Numbers Authority Stewardship Coordination Group. He helped create the Global Internet Governance Academic Network, an international association of scholars focused on Internet governance.

Kieron O'Hara is an associate professor in electronics and computer science at the University of Southampton, UK. His interests are in the philosophy and politics of digital modernity, particularly the World Wide Web; key themes are trust, privacy, and ethics. He is the author of several books on technology and politics; the latest, with Nigel Shadbolt, David De Roure, and Wendy Hall, *The Theory and Practice*

of *Social Machines* (Springer), appeared in 2019. He has also written extensively on political philosophy and British politics. He is one of the leads on the UK Anonymisation Network (UKAN), which disseminates best practice in data anonymization.

Niels ten Oever is a PhD candidate with the DATACTIVE Research Group at the Department of Media Studies, University of Amsterdam, and affiliated with its Political Science Department. His research focuses on how values, like human rights, are inscribed in the Internet infrastructure through its transnational governance. He seeks to understand how invisible infrastructures provide a socio-technical ordering to our societies and how that might influence the distribution of wealth, power, and possibilities. Prior to starting his PhD, he worked as Head of Digital for the international freedom of expression not-for-profit ARTICLE19, where he designed, fundraised, and set up the digital program that covered the Internet Engineering Task Force, the Internet Corporation for Assigned Names and Numbers, the Institute for Electrical and Electronic Engineers, and the International Telecommunication Union. He also designed and implemented freedom of expression projects with Free Press Unlimited. He holds a cum laude MA in philosophy from the University of Amsterdam.

Rolf H. Weber is Professor of International Business Law at Zurich University; there he acts as codirector of the Center for Information Technology, Society, and Law and as codirector of the Blockchain Center. Furthermore, he is practicing attorney in one of the largest independent Swiss law firms in Zurich. From 2000 to 2015 he was Visiting Professor at the University of Hong Kong. He is a member of the editorial boards of several Swiss and international legal periodicals, a member of SIEL/AIELN from their beginnings, and a member of the European Dialogue on Internet Governance. He is fluent in German, English, and French. His main fields of research and practice are IT and the Internet, international business competition, and international trade and finance law. He publishes and speaks regularly on Internet-related legal issues.

