

Evolving Technological, Legal and Social Solutions to Counter Disinformation in Social Media

A Virtual Workshop

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Speaker Biographies

Nicholas "Brigham" Adams, Ph.D. is a sociologist, inventor, founder, musician, poet, collaborator, and ecosystem builder catalyzing a reflexive, high-fidelity society where more people are equipped to take responsibility for understanding and directly improving our complex, multi-level social realities. In a career motivated by his desire to empower people to make the world "as better as possible for as many as possible," he has run electoral campaigns, led the division of a think tank, invented new data scientific methods and software for intricate large-scale natural language processing, and founded and helped launch a number of succeeding, highly collaborative organizations, including the University of California Berkeley's Social Science Computing D-Lab, The Berkeley Institute for Data Science, the Computational Text Analysis Working Group, the Text XD (Across Domains) Initiative (and conference), Thusly Inc. (purveyor of TagWorks and Intricata), the non-profit ProSocial R&D Goodly Labs, the Governance Garden, and the Atlanta HEARTH (Humane Ethical And Responsible Technology Hub). His work has been featured in popular media from the *New York Times* and *The Atlantic*, to *Reader's Digest* and *Roll Call* and Goodly Labs' Public Editor system, which enlists students and volunteers to label over 50 types of manipulation in online content, will launch in Europe and the United States before 2024 elections.

Wajeeha Ahmad is a Ph.D. Candidate in Management Science and Engineering at Stanford University. She is affiliated with the Stanford Digital Economy Lab and the Stanford Technology Ventures Program. Her research is mainly focused on the design of digital platforms and AI systems, and their implications on businesses and society. She received a Masters of Science in Technology and Policy from MIT in 2019, where she was a researcher at the MIT Computer Science and AI Lab and the Institute for Data, Systems and Society. Ahmad completed her undergraduate degree in Mathematics with Computer Science from MIT in 2017, with minors in Economics and Applied International Studies.

Michelle Amazeen is an Associate Professor in and Director of the Communication Research Center in the Department of Mass Communication, Advertising and Public Relations at Boston University. Amazeen examines mediated persuasion and misinformation, exploring the nature and persuasive effects of misinformation and efforts to correct it. She employs a variety of qualitative and quantitative methods to yield results with practical applications for journalists, educators, policymakers and consumers who strive to foster recognition of and resistance to persuasion and misinformation in media. Her work has appeared in publications such as *Communication Monographs*; *Digital Journalism*; *Journalism*; *Journalism & Mass Communication Quarterly*; *New Media & Society*, and *Science Communication*. She is one of 22 prominent scholars from around the globe with expertise in misinformation and its debunking who contributed to *The Debunking*

Handbook 2020. She is currently a co-investigator on the Boston University Climate Disinformation Initiative, with a focus on climate issues in native advertising. Her related book, *Content Confusion: Navigating News Media, Native Advertising, and Policy in an Era of Disinformation* (MIT Press) is due out in 2025.

Josh Braun, Ph.D., is an Associate Professor of Journalism at the University of Massachusetts Amherst, where he teaches courses on media, technology and culture and the media industries. His research focuses on the civic impacts of media circulation, examining how strategies and infrastructures for distribution affect the media landscape while influencing who has access to cultural resources and on what terms. In recent years his work has also considered the digital advertising industry and the financial incentives that contribute to the spread of disinformation. Braun is co-editor of "Distribution Matters," a series of books on media distribution from The MIT Press. He is also an affiliated fellow of the Yale Information Society Project and an alum of the National Academies' Christine Mirzayan Science and Technology Policy Graduate Fellowship Program.

David A. Bray, Ph.D. is both a Distinguished Fellow and co-chair of the Alfred Lee Loomis Innovation Council at the non-partisan Henry L. Stimson Center. He is also a non-resident Distinguished Fellow with the Business Executives for National Security, and a CEO and transformation leader for different "under the radar" tech and data ventures seeking to get started in novel situations. He is Principal at LeadDoAdapt Ventures and has served in a variety of leadership roles in turbulent environments, including bioterrorism preparedness and response from 2000-2005. Bray previously was the Executive Director for a bipartisan National Commission on R&D, provided non-partisan leadership as a federal agency Senior Executive, worked with the U.S. Navy and Marines on improving organizational adaptability, and aided U.S. Special Operation Command's J5 Directorate on the challenges of countering disinformation online. He has received both the Joint Civilian Service Commendation Award and the National Intelligence Exceptional Achievement Medal.

Bray accepted a leadership role in December 2019 to direct the successful bipartisan Commission on the Geopolitical Impacts of New Technologies and Data that included Senator Mark Warner, Senator Rob Portman, Rep. Suzan DelBene, and Rep. Michael McCaul. From 2017 to the start of 2020, Bray also served as Executive Director for the People-Centered Internet coalition Chaired by Internet co-originator Vint Cerf and was named a Senior Fellow with the Institute for Human-Machine Cognition starting in 2018. *Business Insider* named him one of the top "24 Americans Who Are Changing the World" under 40 and he was named a Young Global Leader by the World Economic Forum. For twelve different startups, he has served as President, CEO, Chief Strategy Officer, and Strategic Advisor roles.

Amelia Burke-Garcia, Ph.D., is a seasoned health communications professional with 20 years of experience in health communication program planning, implementation, and evaluation. At NORC, she leads the organization's Digital Strategy and Outreach Program Area and is part of the leadership team for NORC's health communication science practice. In these roles, she designs and implements strategies that leverage the science of communication to influence behavior. Over the course of her career, Burke-Garcia has spearheaded some of the most innovative communication programs and studies on a variety of health topics. Since 2020, she has been overseeing the award-winning How Right Now/Que Hacer Ahora campaign, which aims to increase people's ability to cope and be resilient. Other prior work has included acting as director for CDC's National Influenza Vaccination Campaign. She also has worked with MeetUp groups and the Waze mobile application to move people to action around flu vaccination and HIV testing, respectively. Finally, she has been examining the role of influencers in health communication and research for more than a decade and has recently expanded this work to look at the role of AI in opinion leadership.

Burke-Garcia is the author of the books *Influencing Health: A Comprehensive Guide to Working with Social Media Influencers* and *Communicating Through a Pandemic: A Chronicle of Experiences, Lessons*

Learned, and a Vision for the Future. She has been highlighted by the U.S. Surgeon General, Dr. Vivek Murthy, for her work in honor of Women's History Month and has been named to VeryWellHealth.com's list of 10 Modern Female Innovators Shaking Up Health Care. She is a Founding Member of the Society for Health Communication and sits on the Boards of Directors for the non-profits, Vaccinate Your Family and the Global Alliance for Behavioral Health and Social Justice. Burke-Garcia earned her bachelor's degree in International Development Studies and Humanistic Studies from McGill University, her master's degree in Communication, Culture and Technology from Georgetown University, and her PhD in Communication from George Mason University.

Sarah Cen is a Ph.D. candidate in the Department of Electrical Engineering and Computer Science at MIT, advised by Professor Aleksander Mądry and Professor Devavrat Shah. She is passionate about AI, society & the law, and her work lies at the intersection of machine learning theory and AI accountability. She has recently written on AI auditing, challenges arising from AI supply chains, the regulation of social media, the effect of competition on social welfare and fairness in learning environments, the rights of AI decision subjects, and causal inference under spillover effects. During her master's, Cen worked with Professor Paul Newman at the University of Oxford on autonomous vehicles (a.k.a. self-driving cars). As an undergraduate, she studied control & decision systems with Professor Naomi Leonard at Princeton University.

Ming Ming Chiu is Chair (Distinguished) Professor of Analytics and Diversity and Analytics\Assessment Research Center Director, The Education University of Hong Kong. A graduate of Columbia (BS, computer science), Harvard (EdM, interactive technology) and the University of California, Berkeley (PhD, education), he advises China's Ministry of Education and Qatar's Ministry of Education. He invented (a) statistical discourse analysis to model online and face-to-face conversations (best 50 learning science ideas –International Society of the Learning Sciences), (b) multilevel diffusion analysis to detect corruption in the music industry and how ideas/behaviors spread through populations, (c) artificial intelligence Statistician, and (d) online detection of sexual predators. His 85 grants (US\$21 million) yielded 294 publications (202 journal articles; 16,000+ citations; #8 in Education in China, 2023), 19 keynote speeches, 5 television broadcasts, 17 radio broadcasts, and 189 news articles in 22 countries. He creates and applies automatic statistical analyses to Big Data.

Nicole Cooke is the Augusta Baker Endowed Chair and Professor at the School of Library and Information Science at the University of South Carolina. She was a practicing librarian for 13 years before completing her Ph.D. and has experience in public, medical, and academic libraries. Cooke's research and teaching interests include human information behavior, fake news consumption and resistance, critical cultural information studies, and diversity and social justice in librarianship.

Cooke was named a Mover & Shaker by *Library Journal* in 2007. She was awarded the 2016 ALA Equality Award, and she was presented with the 2017 ALA Achievement in Library Diversity Research Award, presented by the Office for Diversity and Literacy Outreach Services. She has also been honored as the Illinois Library Association's 2019 Intellectual Freedom Award winner in recognition of her work in combating online hate and bullying in LIS, and she was selected as the Association for Library and Information Science Education's 2019 Excellence in Teaching award winner. In 2021 she was presented with the Martin Luther King, Jr., Social Justice Award by the University of South Carolina.

David S. Ebert is currently a Gallogly Chair Professor of electrical and computer engineering, Associate Vice President for Research and Partnerships, and the Director of the Data Institute for Societal Challenges at the University of Oklahoma. He is the recipient of the 2017 IEEE Computer Society vgTC Technical Achievement Award, member of the IEEE vgTC Visualization Academy, an adjunct Professor of electrical and computer engineering with Purdue University, and the Director of the Visual Analytics for Command Control and Interoperability Center (VACCINE), the Visualization Science team of the

Department of Homeland Security's Visual Analytics and Data Analytics Emeritus Center of Excellence. Ebert received his Ph.D. in computer and information science from The Ohio State University and performs research in visual analytics, novel visualization techniques, interactive machine learning and explainable AI, human-computer teaming, advanced predictive analytics, and procedural abstraction of complex, massive data.

Rachel Greenspan is a Co-Founder and the Chief Media Officer of The Disinformation Project (TDP), a nonprofit that promotes disinformation awareness and education among teens. She has experience conducting research and analyses on the impact of false and misleading narratives, as well as human-centered versus technology-based solutions throughout her master's program at Johns Hopkins University. She also leads the Trust in Media (TIM) NextGen Initiative, which focuses on empowering youth populations to help shape the experience and delivery of quality information to enable them to be responsible consumers of information.

Matthew Groh, Ph.D., is an assistant professor at Northwestern University in the Management and Organizations department at the Kellogg School of Management. He is also by courtesy in the Computer Science department at the McCormick School of Engineering and serves as a core faculty member of the Northwestern Institute on Complex Systems (NICO). His research examines the dynamics of human-AI collaboration with a focus on deepfake detection, medical diagnosis, and empathic communication. His research appears in peer-reviewed publications including *Proceedings of the National Academy of Science*, *Nature Medicine*, *Science*, *Computer Supported Collaborative Work*, *Affective Computing and Intelligent Interactions*, and the *Communications of the ACM* among others. Groh has a BA from Middlebury College where he majored in economics and minored in Arabic and mathematics and an MA and PhD from MIT in Media Arts and Sciences. Before completing his PhD at MIT, Groh worked as a data scientist across a number of startups, non-profits, and the government.

Seungtae Han is a Ph.D. student in the School of Public Policy at the Georgia Institute of Technology, specializing in Information Communication Technology Policy under the supervision of Dr. Milton Mueller. His research focuses on online propaganda, influence operations, cognitive warfare, and AI governance. Seungtae is currently involved in the Internet Governance Project, reflecting a commitment to research on AI-enabled disinformation sponsored by the IAEA. He holds an MA in Security Policy Studies and a BA in Political Science and International Studies.

Christopher Impey is a University Distinguished Professor of Astronomy at the University of Arizona. He has over 220 refereed publications on observational cosmology, galaxies, and quasars, and his research has been supported by \$20 million in NASA and NSF grants. He has won eleven teaching awards and has taught four online classes with over 370,000 enrolled and 6 million minutes of video lectures watched. Chris Impey is a past Vice President of the American Astronomical Society, and he has won its career Education Prize. He's also been NSF Distinguished Teaching Scholar, Carnegie Council's Arizona Professor of the Year, and a Howard Hughes Medical Institute Professor. Impey has written 100 popular articles on cosmology, astrobiology and education, two textbooks, a novel called *Shadow World*, and nine popular science books: *The Living Cosmos*, *How It Ends*, *Talking About Life*, *How It Began*, *Dreams of Other Worlds*, *Humble Before the Void*, *Beyond: The Future of Space Travel*, *Einstein's Monsters: The Life and Times of Black Holes*, and *Worlds Without End: Exoplanets, Habitability and the Future of Humanity*.

Nandini Jammi is co-founder of Check My Ads, the adtech industry's first watchdog. She previously co-founded Sleeping Giants, the social media campaign that led advertisers to flee Breitbart and Fox News' Tucker Carlson and Bill O'Reilly. Additionally, she is a trusted advisor to Fortune 500 brands and has testified on her groundbreaking work against ad-funded disinformation at the EU Parliament.

Jeong-Nam Kim is a communication theorist. Kim constructs concepts and models that explain the information behavior of problem solvers and public behavior in mediated information markets. He is

known for his theory, Situational Theory of Problem Solving (STOPS), and a model of cognitive arrest and epistemic inertia among lay problem solvers, developed with James E. Grunig. Kim is the founder and leader of the DaLI (Debiasing and Lay Informatics) lab, which aims to tackle some of the most pressing information problems of our time, such as pseudo-information, public biases, and failing information markets. Through his research, Kim works on solutions that can prevent detracting from civil society and promote a healthy ecology of information markets for a sustainable future. Kim was awarded the Jackson Jackson & Wagner Behavioral Science Prize for his research from the Public Relations Society of America. He holds the Gaylord Family Endowed Chair of Strategic Communication at the University of Oklahoma and serves as a Fellow at the Data Institute for Societal Challenges, Center on Public Diplomacy at the USC Annenberg, a senior fellow at the Democracy Research Unit (DRU), University of Salamanca, and adjunct faculty at KAIST's Moon Soul Graduate School of Future Strategy.

Jeff Kosseff, J.D., M.P.P., is an associate professor of cybersecurity law in the United States Naval Academy's Cyber Science Department. He is the author of four books and more than 20 academic journal articles. In fall 2023, Johns Hopkins University Press published his latest book, *Liar in a Crowded Theater: Freedom of Speech in a World of Misinformation*, which examines and defends legal protections for false speech. In 2019, he was named an Andrew Carnegie Fellow by the Carnegie Corporation of New York, to support his 2022 book *The United States of Anonymity: How the First Amendment Shaped Online Speech*. His 2019 book, *The Twenty-Six Words That Created the Internet*, traced the history of Section 230 of the Communications Decency Act. He also is the author of *Cybersecurity Law*, a textbook and treatise whose third edition was published by Wiley in 2022.

Kosseff's articles have appeared in *Iowa Law Review*, *Illinois Law Review*, *Wake Forest Law Review*, *Berkeley Technology Law Journal*, *Computer Law & Security Review*, and other law reviews and technology law journals. His research interests include cybersecurity regulation, online intermediary liability, and the law of armed conflict as applied to cyberspace. He practiced cybersecurity, privacy, and First Amendment law at Covington & Burling, and clerked for Judge Milan D. Smith, Jr. of the United States Court of Appeals for the Ninth Circuit and Judge Leonie M. Brinkema of the United States District Court for the Eastern District of Virginia. Before becoming a lawyer, Kosseff was a technology and political journalist for *The Oregonian* and was a finalist for the Pulitzer Prize for national reporting and recipient of the George Polk Award for national reporting. He received a J.D. from Georgetown University Law Center, and a B.A. and M.P.P. from the University of Michigan.

Brenden Kuerbis, Ph.D., is a Research Scientist at the Georgia Institute of Technology, School of Public Policy and Instructor in the Online MS in Cybersecurity Program. His research focuses generally on the political economy of technical identifiers (e.g., domain names, IP addresses) and the intersection of cybersecurity concerns with forms of Internet governance. Recent publications include an exploration of data enclosure and privacy/competition tradeoffs in Internet platforms, economic factors affecting adoption of IPv6, the transnational governance of cyber-attribution, as well as research looking at governance and incentives of network operators in performing route filtering as part of an NSF Secure and Trustworthy Computing (SaTC) project. Kuerbis' research has been featured in *Circle ID*, *Forbes*, *Washington Internet Daily*, and academic publications including *International Studies Review* and *Telecommunications Policy*, and in the book, *Opening Standards: The Global Politics of Interoperability*, by MIT Press. Kuerbis is a partner in the Internet Governance Project and former Fellow in Internet Security Governance at the Citizen Lab, Munk School of Global Affairs, University of Toronto. He has also been a long time observer of the Regional Internet Registries and ICANN, participating in its governance processes as a volunteer in its Nominating Committee (Nomcom), CWG-IANA Working Group, and the Nomcom Review Working Party. Kuerbis received his Ph.D. from Syracuse University's iSchool.

Dongwon Lee, Ph.D., is a professor in the College of Information Sciences and Technology (a.k.a. iSchool) of The Pennsylvania State University. He mostly works in the intersection of Data Science, Machine Learning and Cybersecurity, and their social applications and security implications. In recent

years, his research has focused on the study of mis/disinformation and other forms of cyber frauds/fakes. He is an ACM distinguished member elected in 2019. Before starting at Penn State, he worked at AT&T Bell Labs and obtained his Ph.D. in Computer Science from UCLA. From 2015 to 2017, he has also served as a program director at NSF, co-managing cybersecurity education and research programs of national priorities. He currently leads the PIKE (Penn state Information Knowledge and wEb) research group.

J. Nathan Matias, Ph.D., is the founder of the Citizens and Technology Lab, an assistant professor in the Cornell University Department of Communication, and a field member in Information Science. Matias is founder of the Citizens and Technology (CAT) Lab, a public-interest research group at Cornell that organizes citizen behavioral science and behavioral consumer protection research for digital life. CAT Lab has worked with communities of tens of millions of people on reddit, Wikipedia, and Twitter to test ideas for preventing harassment, broadening gender diversity on social media, responding to human/algorithmic misinformation, managing political conflict, and auditing social technologies.

Matias is also a pioneer in industry-independent evaluations on the impact of social technologies and artificial intelligence in society. Toward this end, he co-founded the Coalition for Independent Technology Research, a nonprofit that supports and defends independent research on technology and society. Matias has held positions at the Center for Advanced Study in the Behavioral Sciences at Stanford University, the Knight First Amendment Institute at Columbia University, the Princeton University Center for Information Technology Policy, and the Berkman Klein Center at Harvard University. Matias did his PhD at the MIT Center for Civic Media and MIT Media Lab.

Martha Minow is the 300th Anniversary University Professor of Law at Harvard Law School. Martha Minow has taught at Harvard Law School since 1981, where her courses include civil procedure, constitutional law, family law, fairness and privacy, international criminal justice, jurisprudence, law and education, nonprofit organizations, and the public law workshop. An expert in human rights and advocacy for members of racial and religious minorities and for women, children, and persons with disabilities, she also writes and teaches about AI and legal issues, and about how societies transition from war and atrocities to regimes committed to democracy and justice. Minow served as Dean of Harvard Law School between 2009 and 2017, as the inaugural Morgan and Helen Chu Dean and Professor. She currently is the chair of the MacArthur Foundation, and a member of the governing boards of the Campaign Legal Center (nonpartisan voting rights group), the Carnegie Corporation (philanthropy), and GBH (public media). She also co-chairs the advisory group for MIT's new Schwartzman College of Computing. Minow completed her undergraduate studies at the University of Michigan, then earned an M.Ed. from Harvard and a J.D. from Yale.

Brandie Nonnecke is founding director of the CITRIS Policy Lab, headquartered at the University of California, Berkeley. She is an associate research professor at the University of California, Berkeley Goldman School of Public Policy (GSPP), where she directs the Tech Policy Initiative, a collaboration between CITRIS and GSPP to strengthen tech policy education, research and impact. Nonnecke is also the director of Our Better Web, a program that supports empirical research, policy analysis, training and engagement to address the sharp rise of online harms. She is a co-director of the Berkeley Center for Law and Technology at Berkeley Law where she leads the Project on Artificial Intelligence, Platforms, and Society. She also co-directs the UC Berkeley AI Policy Hub, an interdisciplinary initiative training researchers to develop effective AI governance and policy frameworks.

Nonnecke is the host of TechHype, a video and audio series that debunks misunderstandings around emerging technologies and explores effective technical and policy strategies to harness emerging technologies for good.

Nonnecke served as a technology and human rights fellow at the Carr Center for Human Rights Policy at the Harvard Kennedy School. She also completed fellowships at the Schmidt Futures International Strategy Forum, Aspen Institute's Tech Policy Hub and the World Economic Forum. She holds a Ph.D. in mass communications from the Pennsylvania State University. Her research has been published in Science, Wired, Telecommunications Policy, and the Journal of Information Technology and Politics, among other outlets. Her work has been cited by the Federal Trade Commission, the National Institute of Standards and Technology (NIST), and the White House Office of Science and Technology Policy, as well as *The Washington Post*, BBC and NPR, among other venues. She was named one of the 100 Brilliant Women in AI Ethics in 2021.

Jonathan Corpus Ong is Associate Professor and Inaugural Director of the Global Technology for Social Justice Lab at the University of Massachusetts at Amherst. He is a global media scholar who uses ethnography to understand the work arrangements and moral justifications of "paid trolls" in disinformation-for-hire industries, with a recently published edited collection in *Social Media + Society*. His foundational report "Architects of Networked Disinformation" is among the "most cited and useful" research papers to fact-checkers according to a 2023 poll by Poynter. His forthcoming study "Custom Built: Blueprint for Global Majority Election Coalitions" applies grounded and comparative analysis of organizational cultures, "tools-in-context", and the politics of tech+democracy funding in Brazil and the Philippines.

Jonathan Osborne, Ph.D., is the Kamalachari Professor of Science Education and an Emeritus faculty member at Stanford's Graduate School of Education. His research focus is a mix of work on policy and pedagogy in the teaching and learning of science. In the policy domain, he is interested in exploring students' attitudes to science and how school science can be made more worthwhile and engaging - particularly for those who will not continue with the study of science. In pedagogy, his focus has been on making the case for the role of argumentation in science education both as a means of improving the use of a more dialogic approach to teaching science and improving student understanding of the nature of scientific inquiry. He has worked on four major projects in argumentation. The first, from 1999 to 2002, was on 'Enhancing the Quality of Argument in School Science Education', from which the IDEAS (Ideas, Evidence and Argument in Science Education) materials were developed to support teacher professional learning, funded by the Nuffield Foundation. From 2007 to 2010, he was co-PI on the project 'Learning to Teach Ideas, Evidence and Argument in School Science' which explored how to build teachers competency with the use of this pedagogy in four schools. Most recently, Osborne has worked with Mark Wilson of UCB on a project to develop and test a learning progression for Argumentation in science. His other area of interest in pedagogy is the teaching of reading and the facilitation of discussion. He just published a book entitled 'Language and Literacy in Science Education' and is about to complete a five year IES funded project called 'Catalyzing Comprehension through Discussion and Debate' exploring how we can support the teaching of reading in science. Additionally, his research investigates how young people learn science outside of the classroom and what this can teach us regarding formal education. He was one of the partners in the NSF funded Centre for Informal Learning and Schools from 2002 to 2007 and has several publications in this field.

Amulya Panakam is a first-year undergraduate student at Georgia Institute of Technology double majoring in computer science and public policy. Her research interests include internet governance, combating misinformation, media literacy education, and tech policy. Through her experiences and advocacy, she became interested in building an equitable and sustainable digital world that empowers communities. She started as Forsyth County Organizer for Georgia Youth Justice Coalition in June of 2022, and through this position she works on education policy that empowers students in K-12 schools. She leads, mobilizes, and executes coalition work to advocate for diversity, equity, and inclusivity (DEI)

initiatives, partner with other organizations, and work with school boards, parents, and students across Georgia.

Ruben Piacentini has worked as a researcher at the National Council of Scientific and Technical Research of Argentina (CONICET) and as a faculty member at the National University of Rosario in Rosario, Argentina for more than 40 years. He was Director and is currently Senior Researcher at the Institute of Physics Rosario, dependent on CONICET and the National University of Rosario, where he is an honorary professor who teaches masters, doctoral, and postgraduate courses. His research focuses on topics related to atmospheric physics, solar energy and climate change. Piacentini previously served as Director of the Master's Degree "Energy for Sustainable Development" and is at present Director of the Master's Degree "Energetic Transitions." He founded the first Experimental Science Museum in Argentina in the Rosario Astronomical Complex. He is a corresponding member of the National Academy of Exact, Physical, and Natural Sciences of Argentina, a founding member, by invitation, of the Academy of Medical Sciences of the Province of Santa Fe, Argentina, and coordinator of the "Environment and Health" commission. He has served as an expert reviewer of world reports of the United Nations Intergovernmental Panel on Climate Change and as a co-author and reviewer of reports published by the World Meteorological Organization and the United Nations Environment Program related to the Montreal Treaty that limits the emissions of polluting gases of the ozone layer.

Daniel Pimentel, Ph.D., is an assistant professor of science education at the University of Alabama. He completed his Ph.D. in science education, learning sciences, and technology design at Stanford University, where he also received a graduate certificate in science, technology, and society with a focus on data and society. His research explores how science education can promote public understanding of and engagement with science in an increasingly digital world. He studies teaching and learning of science-related civic issues, data and science media literacies, and the nature of science-in-society. His research has been supported by the Shriram Family Fellowship in Science Education, the Stanford Enhancing Diversity in Graduate Education (EDGE) Fellowship, and the Stanford GSE Dissertation Support Grant. He is also a Markowski-Leach Scholarship recipient. He received a B.S. in Biology and an M.Ed. in Secondary Education from Boston College, where he was a Donovan Urban Teaching Scholar, Sharp Urban Teaching Scholar, and Science Educators for Urban Schools Fellow. Pimentel earned an Advanced Certificate in Special Education from the Relay Graduate School of Education. Before beginning his doctoral studies, he taught middle school science and high school chemistry in Brooklyn, NY.

Nathalie A. Smuha (Ph.D., LL.M.) is a legal scholar and philosopher at the KU Leuven Faculty of Law, where she examines legal and ethical questions around AI and other digital technologies. Her research focuses particularly on AI's impact on human rights, democracy and the rule of law. She is the academic coordinator of the KU Leuven Summer School on the Law, Ethics and Policy of AI and a member of the Leuven.AI Institute and the Digital Society Institute. She also held visiting positions at New York University (2024), the University of Chicago (2023) and the University of Birmingham (2021). She is the author of *Algorithmic Rule By Law: How Algorithmic Regulation in the Public Sector Erodes the Rule of Law* (forthcoming with Cambridge University Press, 2024).

Besides her academic activities, Smuha regularly advises governments and international organizations on AI policy. Previously, she worked at the European Commission, where she coordinated the work of the European Commission's High-Level Expert Group on AI and contributed to the EU's AI strategy. Moreover, she was a scientific expert at the Council of Europe's (Ad Hoc) Committee on AI, which drafted an international AI Convention. She is also a member of the OECD Expert Group on AI, data and privacy, the UNESCO Expert Group on AI and the Futures of Learning, and AI4Belgium Ethics & Law. She is a qualified attorney at the Brussels and the New York Bar, having practiced law at Jones Day and

Quinz, where she advised clients on matters relating to EU competition law and the regulation of digital platforms and technologies.

Matt Verich is President and CEO of The Disinformation Project (TDP), a nonprofit that promotes disinformation awareness and education among teens. He recently retired from the US Navy and founded TDP after watching his teenage kids engage online. Already familiar with how disinformation is used by state actors, he was motivated to get involved in practical solutions for everyday citizens after observing how technology trends, politics, great power competition, the pandemic, and social media habits have conspired to create the perfect storm for online disinformation. TDP believes that awareness is Job One. Citizens who are aware of disinformation tactics, techniques, and procedures, and the bad actors who employ them for political purposes, are more likely to be resilient to malign narratives.

John Wihbey is an associate professor of media innovation and technology in the College of Arts, Media and Design at Northeastern University, where he is a faculty researcher at the Ethics Institute and a co-founder of the Internet Democracy Initiative. He directs the graduate programs in Media Innovation and Data Communication, Journalism, and Media Advocacy. Wihbey is the author of *The Social Fact: News and Knowledge in a Networked World* (MIT Press, 2019), and he has served as a research consultant for Twitter, Inc., the John D. and Catherine T. MacArthur Foundation, and the John S. and James L. Knight Foundation. Wihbey's research and teaching interests focus on the intersection of news and social media; emerging media technologies; computational journalism and visualization; misinformation and media literacy; and policy issues relating to social media platforms. He serves as Lead Investigator for the Ethics of Content Moderation Project, which is exploring social media, misinformation, and governance issues.

Sam Wineburg is the Margaret Jacks Professor of Education, Emeritus, at Stanford University, where he founded the Stanford History Education Group (SHEG), the largest purveyor of free curriculum in the social studies, with more than 14 million downloads and counting. An interdisciplinary scholar, his academic research has appeared in leading journals across three fields: education, history, and psychology, and his public writing has appeared in venues like *The New York Times*, *Los Angeles Times*, *Washington Post*, *USA Today*, *TIME*, *The Smithsonian*, *Slate*, and *Education Week*. In 2012 he was named the Fulbright-Nehru Distinguished Chair and in 2015 he was inducted into the National Academy of Education. He holds a PhD from Stanford University and an honorary doctorate from Sweden's Umeå University.

Samuel C. Woolley, Ph.D., is a writer and researcher who studies how emerging media technologies are used for both democracy and control. His empirical and theoretical work on the concept of 'computational propaganda' challenges contemporary understandings of how digital media are used in efforts to control public opinion. His research argues that contemporary political groups now use technologies harnessing automation, artificial intelligence, and algorithms and strategies tied to 'manufactured consensus' and 'relational influence' in attempts to manipulate information systems and the people who use them. Woolley is an assistant professor and fellow of the R.P. Doherty Sr. Centennial Professorship in Communication in the School of Journalism and Media at the University of Texas at Austin, where he also leads the Propaganda Research Lab at the Center for Media Engagement. He received his Ph.D. from the University of Washington.

Sander van der Linden, Ph.D., is Professor of Social Psychology in Society and Director of the Cambridge Social Decision-Making Lab in the Department of Psychology at the University of Cambridge. His research looks at how people process (mis)information, how it spreads in online networks, and how we can most effectively prebunk and inoculate people against false information. He leads national consensus reports on the psychology of misinformation and serves on the World Health Organization's (WHO) infodemic working group. He has won numerous awards for his research on human judgment,

communication, and decision-making, including the Rising Star Award from the Association for Psychological Science (APS), the Sage Early Career Award from the Society for Personality and Social Psychology (SPSP), the Frank Prize in Public Interest Research from the University of Florida, and the Sir James Cameron Medal for the Public Understanding of Risk from the Royal College of Physicians. His research papers have received awards from organizations such as the American Psychological Association (APA), the International Association of Applied Psychology (IAAP) and the Society for the Psychological Study of Social Issues (SPSSI). He co-developed the award-winning fake news game, Bad News, which has been played by millions of people around the world and he regularly advises governments, public health authorities, and social media companies on how to combat the spread of misinformation. Van der Linden is ranked among the top 1% of highly cited social scientists worldwide and has published over 150 research papers. He frequently appears on international TV and radio and his work is regularly featured in outlets such as the *New York Times*, *Rolling Stone*, NPR, and the BBC. He has been described by WIRED magazine as one of “15 top thinkers” and by Fast Company Design as one “four heroes who are defending digital democracy online”. Before joining Cambridge, he held academic positions at Princeton, Yale, and the LSE.