SPEAKER BIOGRAPHIES

Issues at the Intersection of Emerging Technologies, Ethics, and Equity

Ruha Benjamin, PhD is professor of African American studies at Princeton University and founding director of the Ida B. Wells JUST Data Lab. She specializes in the interdisciplinary study of science, medicine, and technology with a focus on the relationship between innovation and social inequity. She is author of *Viral Justice: How We Grow the World We Want* (Princeton University Press 2022), *Race After Technology: Abolitionist Tools for the New Jim Code* (Polity 2019), *People's Science: Bodies and Rights on the Stem Cell Frontier* (Stanford University Press 2013), and editor of *Captivating Technology: Race, Carceral Technoscience, and Liberatory Imagination in Everyday Life* (Duke University Press 2019), as well as numerous articles and book chapters. She has been awarded fellowships and grants from the American Council of Learned Societies, National Science Foundation, Ford Foundation, California Institute for Regenerative Medicine, and Institute for Advanced Study. Professor Benjamin received her BA in sociology and anthropology from Spelman College, MA and PhD in sociology from UC Berkeley, and completed postdoctoral fellowships at UCLA's Institute for Society and Genetics and Harvard University's Science, Technology, and Society Program.

Panel on AI and Algorithmic Fairness

I. Glenn Cohen, JD is James A. Attwood and Leslie Williams Professor of Law, Deputy Dean, and Faculty Director, Petrie-Flom Center for Health Law Policy, Biotechnology & Bioethics at Harvard Law School. He is an expert on the intersection of bioethics and the law, as well as health law. His current projects relate to big data, medical AI, health information technologies, mobile health, reproduction/reproductive technology, research ethics, organ transplantation, rationing in law and medicine, health policy, FDA law, COVID-19, translational medicine, and to medical tourism – the travel of patients who are residents of one country to another country for medical treatment. He is the author of more than 200 articles and chapters and his award-winning work has appeared in leading legal (including the Stanford, Cornell, and Southern California Law Reviews), medical (including the New England Journal of Medicine, JAMA), bioethics (including the American Journal of Bioethics, the Hastings Center Report), scientific (Science, Cell, Nature Reviews Genetics) and public health (the American Journal of Public Health) journals, as well as Op-Eds in the New York Times, Washington Post, New Republic, Time Magazine, and other venues. He received his B.A. in Bioethics and Psychology from the University of Toronto, and his J.D. from Harvard Law School.

Kadija Ferryman, PhD is Core Faculty at the Johns Hopkins Berman Institute of Bioethics and Assistant Professor in the Department of Health Policy and Management at the Bloomberg School of Public Health at Johns Hopkins University. She is a cultural anthropologist who studies the social, cultural, ethical, and policy implications of health information technologies. Dr. Ferryman is a member of the Institutional Review Board for the All of Research Program, a Mozilla Open Science Fellow, and an Affiliate at the Center for Critical Race and Digital Studies. She has published research in journals such as *Journal of the American Medical Informatics Association*, *Paediatric and Perinatal Epidemiology*, the *Journal of Health Care for the Poor and Underserved*, *European Journal of Human Genetics*, and *Genetics in Medicine*. Dr. Ferryman's research has been featured in multiple publications including Nature, STAT, and The Financial Times. She earned a BA in Anthropology from Yale University, and a PhD in Anthropology from The New School for Social Research. She completed postdoctoral training at the Data & Society Research Institute in New York, where she led the Fairness in Precision Medicine research study, which examined the potential for bias and discrimination in predictive precision medicine.

Bradley Malin, PhD is the Accenture Professor of Biomedical Informatics, Biostatistics, and Computer Science, as well as Vice Chair for Research Affairs in the Department of Biomedical Informatics at Vanderbilt University. His research is on the development of technologies to enable artificial intelligence and machine learning (AI/ML) in the context of organizational, political, and health information architectures. He co-directs the Health Data Science (HEADS) Center, the Center for Genetic Privacy and Identity in Community Settings (GetPreCiSe) - an NIH Center of Excellence on Ethical, Legal, and Social Implications Research (CEER) - and the Infrastructure Core of the NIH Artificial Intelligence/ Machine Learning Consortium to Advance Health Equity and Researcher Diversity (AIM-AHEAD). In addition, he serves as the co-chair of the Committee on Access, Privacy, and Security (CAPS) of the *All of Us* Research Program of the U.S. Precision Medicine Initiative, an appointed member of the Technical Anonymisation Group of the European Medicines Agency, and an appointed member of the Board of Scientific Counselors of the National Center for Health Statistics of the Centers for Disease Control and Prevention (CDC).He is an elected fellow of the National Academy of Medicine (NAM), the American College of Medical Informatics (ACMI), the International Academy of Health Sciences Informatics (IAHSI), and the American Institute for Medical and Biological Engineering (AIMBE). In addition, he was honored as a recipient of the Presidential Early Career Award for Scientists and Engineers (PECASE) from the White House. Dr. Malin completed his education at Carnegie Mellon University, where he received a bachelor's in biological sciences, a master's in machine learning, a master's in public policy and management, and a doctorate in computer science (with a focus on databases and software systems).

Herman A. Taylor Jr., MD, MPH is Endowed Professor and Director of the Cardiovascular Research Institute (CVRI) at Morehouse School of Medicine. He previously served as principal investigator and director of the Jackson Heart Study, the largest community-based study of cardiovascular disease among African Americans. Dr. Taylor's research and teaching focuses on broadening the diversity of disciplines and scientists focused on the problem of health disparities nationally and globally. His work embraces multiple disciplines, cutting-edge "omic" and technological tools, and diverse scientists to create innovative approaches to optimize heart health, prevent heart disease, and promote cardiovascular resilience and healthy lifespan. Additionally, he is a Principal Investigator of the NIH-sponsored initiative Artificial Intelligence/Machine Learning Consortium to Advance Health Equity and Researcher Diversity (AIM-AHEAD). His work has been featured in major scientific and lay publications, from Nature and Circulation to The New York Times and National Geographic. He has lectured internationally and given expert testimony to Senate and House Committees and the U.S. Commission on Civil Rights on health disparities and equity. Dr. Taylor is an elected member of the National Academy of Medicine. He is a graduate of Princeton University, Harvard Medical School and the Harvard Chan School of Public Health and holds adjunct professorships at Emory School of Medicine and the Harvard Chan School of Public Health.

Kush Varshney, PhD is a distinguished research staff member and manager in IBM Research AI, working from the Thomas J. Watson Research Center, Yorktown Heights, New York, where he leads the machine learning group in the Foundations of Trustworthy AI department. He was a visiting scientist at IBM Research - Africa, Nairobi, Kenya in 2019. He co-directs the IBM Science for Social Good initiative and is a data ambassador with DataKind in New York. His research interests include statistical signal processing, machine learning, data mining, and image processing. He applies data science and predictive analytics to human capital management, healthcare, olfaction, computational creativity, public affairs, international development, and algorithmic fairness. He is a senior member of the IEEE, a member of the IEEE Signal Processing Society's Signal Processing Theory and Methods Technical Committee and a member of the Partnership on AI's Safety-Critical AI expert group. He received the B.S. degree (magna cum laude) in electrical and computer engineering with honors from Cornell University, Ithaca, New York, in 2004. He received the S.M. degree in 2006 and the Ph.D. degree in 2010, both in electrical engineering and computer science at the Massachusetts Institute of Technology, Cambridge.

Alice Xiang, JD is Global Head of AI Ethics at Sony, where she leads the team responsible for conducting AI ethics assessments across Sony's business units and implementing Sony's AI Ethics Guidelines. In addition, as the AI Ethics Lead at Sony AI, Alice leads a lab of AI researchers working toward developing more ethical AI solutions. Alice also recently served as a General Chair for the ACM Conference on Fairness, Accountability, and Transparency, the premier multidisciplinary research conference on these topics. Alice's work sits at the intersection of social justice and AI; she seeks to ensure that algorithms can be used to enhance human creativity without entrenching societal inequities. She was recognized as one of the 100 Brilliant Women in AI Ethics, and has been quoted in the Wall Street Journal, MIT Tech Review, Fortune, and VentureBeat, among others. She has given guest lectures at the Simons Institute at Berkeley, USC, Harvard, SNU Law School, among other universities. Her research has been published in top machine learning conferences, journals, and law reviews. Alice is both a lawyer and statistician, with experience developing machine learning models and serving as legal counsel for technology companies. Alice holds a Juris Doctor from Yale Law School, a Master's in Development Economics from Oxford, a Master's in Statistics from Harvard, and a Bachelor's in Economics from Harvard.