

2023 ReDI Participants



Sari Altschuler

Sari Altschuler is an associate professor of English and director of the Health, Humanities, and Society initiative at Northeastern University. She is the author of *The Medical Imagination: Literature and Health in the Early United States* and co-editor of *Keywords for Health Humanities*. Her interdisciplinary work on health and the humanities has earned her awards from the Society of Early Americanists, the Society for the Historians of the Early American Republic, and the Disability History Association, among others. She has also received long-term funding from organizations such as the Andrew W. Mellon Foundation and the National Endowment for the Humanities.



John Bai

John Bai is an Associate Professor of Finance and Patrick F. and Helen C. Walsh Research Professor at Northeastern University's D'Amore-McKim School of Business. My research and teaching interests are in empirical corporate finance, behavioral corporate finance, corporate diversification, labor finance. My most recent work focuses on Fintech, ESG, and DE&I related issues.



Carey Barry

Carey Barry is chair and associate clinical professor in the Department of Medical Sciences at Northeastern University. She brings to the classroom over 20 years of clinical experience as a surgical physician's assistant. She has practiced in numerous surgical specialties including vascular surgery, cardiac surgery, and plastic surgery. She has worked as a medical technologist and has a special interest in surgical training and interprofessional education. She is a distinguished fellow, American Academy of PAs and serves on the editorial advisory board for The Journal of PA Education. She holds a B.S. in medical laboratory science from the University of New Hampshire and an M.S. in physician assistant studies from Quinnipiac University.



Kabria Baumgartner

Kabria Baumgartner is a historian of the 19th-century United States and writes about the hidden and overlooked lives of African-descended people in New England. She is the Dean's Associate Professor of History and Africana Studies and Associate Director of Public History at Northeastern University. Her award-winning book, *In Pursuit of Knowledge: Black Women and Educational Activism in Antebellum America*, tells the story of young Black women who fought for their educational rights. She has published 11 scholarly articles and book chapters, and her public writing has been featured in the *Washington Post*, *WBUR's Cognoscenti*, and *Historic New England Magazine*.



Qin Jim Chen

Qin Jim Chen is a professor of civil and environmental engineering and marine and environmental sciences at Northeastern University. He specializes in the development and application of numerical models for coastal dynamics, including ocean waves, storm surges, fluid-vegetation interaction, sediment transport, and morphodynamics as well as field observations of nearshore extreme events. Dr. Chen has published over 100 peer-reviewed journal articles, and has collaborated with ecologists, earth scientists, computer scientists, mathematicians, and engineers in his research. Dr. Chen received his Ph.D. from Old Dominion University in collaboration with Danish Hydraulic Institute and did post-doctoral research in the Center for Applied Coastal Research at the University of Delaware.



W. Paul Chiou

W. Paul Chiou is an associate teaching professor of finance and the director of MathWorks Lab for FinTech and Quantitative Analytics. His work in international investments, law and finance, banking, and portfolio and risk management has been published in numerous peer-reviewed journals including the European Journal of Operational Research and International Review of Economics and Finance and others. Dr. Chiou has also served as an associate editor for the Review of Pacific Basin Financial Markets and Policies and Global Journal of Accounting and Finance. Before pursuing an academic career, Dr. Chiou was a banker specializing in credit analyses and economic research. He holds a Ph.D. in finance from Rutgers University and an MBA in finance from National Taiwan University.



Meredith D. Clark

Meredith D. Clark, Ph.D. (she/her/hers), is an associate professor in the School of Journalism and the Department of Communication Studies, and director of the Center for Communication, Media Innovation and Social Change. Her research focuses on the intersections of race, media, and power. Her first book, *We Tried to Tell Y'all: Black Twitter and Digital Counternarratives*, is forthcoming from Oxford University Press. Her research has been published in *Communication & the Public*; *Communication, Culture & Critique*; *Electronic News*, and *Social Movement Studies*, among other publications. Clark is serving a four-year board leadership position in the Association for Education in Journalism & Mass Communication and is an advisory board member at the Center for Critical Race + Digital Studies at NYU.



Luis Alfonso Dau

Luis Alfonso Dau is an associate professor of international business and strategy and the Robert and Denise DiCenso Professor at Northeastern University. He is also a Dunning Visiting Fellow at University of Reading and a Buckley Visiting Fellow at University of Leeds. His research focuses on the effects of institutional processes and changes on the strategy and performance of emerging market firms. His research has won numerous awards and has appeared in top journals in the field, including *Academy of Management Journal*, *Journal of International Business Studies* and *Journal of Management Studies*. He has served on the executive Board of the Academy of International Business as vice president of administration, as well as representative-at-large for the Strategic Management Society's Global Strategy Interest Group.



Nate Derbinsky

Nate Derbinsky is a teaching professor and the associate Dean of Teaching Faculty in the Khoury College of Computer Sciences at Northeastern University. Combining the methods of artificial intelligence, optimization, and database systems, and collaborating across numerous disciplines and institutions, Dr. Derbinsky has invented multiple algorithms that have been effectively applied to large-scale problems in cognitive modeling, robotics, and logistics. He founded a small business, leading software-development teams to deploy solutions for such problems as evidence tracking for law-enforcement agencies, inventory management at food banks, and diagnostic training for neurology interns. He has a B.S. in computer science from NC State University, as well as an M.S. and a Ph.D. in computer science and engineering from the University of Michigan.



Pamela Donlan

Pamela Donlan is an associate clinical professor and interim program director in the Department of Physical Therapy, Movement, and Rehabilitation Sciences (PTMRS) at Northeastern University. She received a bachelor's degree in physical therapy at NYU, a clinical doctorate in physical therapy from Widener University, and a doctorate in education from Northeastern University. A licensed physical therapist, Dr. Donlan has practiced in diverse healthcare settings and holds special clinical interests in neurologic physical therapy, geriatric physical therapy, and lymphedema management. Her research interests include exploring the psychosocial aspects of disease and disability. She has presented nationally and internationally on these topics. She received several awards for excellence in teaching at Northeastern University.



Randall Erb

Randall Erb is an associate professor in the Mechanical and Industrial Engineering Department at Northeastern University. His research is focused on leveraging material microstructure to enable emergent properties. Erb heads the Directed of Assembly of Particles and Suspensions Lab (Boston Campus) and the RF & Thermal Lab (Burlington Campus). He has more than 35 publications that have been cited over 4,800 times. Erb puts a strong focus on undergraduate and graduate education, teaching several courses each year. Additionally, he has co-founded three companies: Fortify (Series B, around 80 employees), Boston Materials (Series A, around 20 employees), and Fourier (pre-Seed).



Julian Fray

Julian Fray is an Associate Teaching Professor and the Associate Dean for Digital Strategy at Northeastern University School of Law. She teaches Basic Federal Income Tax, Corporate Tax, Nonprofit Organizations and Estate Planning. She received her JD from Columbia Law School, where she was a senior editor of the law review, and her B.A. in Law, Jurisprudence and Social Thought from Amherst College. She also earned an LLM in taxation from Boston University. Her current research focuses on federal regulation of nonprofit organizations, with an emphasis on institutions of higher education. She is the law school faculty advisor for the Veteran Law Students Association and the faculty coordinator for the Volunteer Income Tax Assistance training program.



Joshua Hertz

Joshua Hertz is a teaching professor in the First Year Program of the College of Engineering at Northeastern University, where his current research focus is the student experience during group project work and, relatedly, the development of an open-source educational application, gruepr. Dr. Hertz earned a B.S. in ceramic engineering from Alfred University and a Ph.D. in materials science and engineering from MIT, after which he worked at the National Institute of Standards and Technology as a National Research Council postdoctoral fellow. He joined the Department of Mechanical Engineering at the University of Delaware in 2008, leading a lab that researched the effects of composition and nanostructure on ionic conduction and surface exchange in ceramic materials.



Michael Hoppmann

Michael Hoppmann is associate dean for undergraduate programs at the College of Arts, Media and Design at Northeastern University, and teaching professor in the Communication Studies Department, where he also served as public speaking director from 2013 to 2022. His work focuses on questions at the intersection of rhetoric, argumentation theory, and ethics – concerning principles of reasonable interpretation, legal argumentation, and rhetorical defense strategies. He is the author of *Argumentative Verteidigung* (Argumentative Defense) and co-author of three textbooks. His articles have been published in *Philosophy & Rhetoric*, *Argumentation*, and *The Journal of Argumentation in Context*. Dr. Hoppmann holds a Ph.D. in rhetorical theory and an M.A. in rhetoric and philosophy from the University of Tübingen, Germany.



Alexander R. Ivanov

Dr. Alexander R. Ivanov holds the position of associate professor in the Department of Chemistry & Chemical Biology and is a faculty fellow at the Barnett Institute of Chemical & Biological Analysis at Northeastern University. He is also faculty director of the Mass Spectrometry Facility at Northeastern. Dr. Ivanov and his team develop novel separation- and mass-spectrometry-based technologies to answer challenging biomedical questions and enable new applications. His current research focuses on studies of limited cell populations (down to single cells), proteoforms, protein interactions, new modalities of biotherapeutics, and extracellular microvesicles for diagnostics, new therapies, and personalized medicine applications.



Kris Jaeger-Helton

Kris Jaeger-Helton is a teaching professor in the Department of Mechanical & Industrial Engineering (MIE), Director of Senior Capstone Design in Industrial Engineering (IE), and Chair of the IE Undergraduate Curriculum at Northeastern University. Dr. Jaeger-Helton was also the founding director of the Galante Engineering Business Program at NU. Her research has three interconnected facets: engineering neuroscience, virtual environments for training, and engineering education. At the American Society for Engineering Education, she has been a program chair, a division chair, and has served on executive boards of multiple divisions. In MIE, she teaches Human-Machine Systems, Simulation Modeling & Analysis. Dr. Jaeger-Helton has won an unprecedented 15 teaching awards, including the college-wide Essigmann Teaching Award at NU.



Xiaoning 'Sarah' Jin

Xiaoning (Sarah) Jin is an Associate Professor in the Department of Mechanical and Industrial Engineering at Northeastern University. She received her Bachelor's in Mechanical Engineering from Shanghai Jiao Tong University in China, and her M.S. and Ph.D. in Industrial and Operations Engineering from the University of Michigan, Ann Arbor. Dr. Jin's research is focused on sensor analytics, machine learning, and AI methods, specifically in advanced manufacturing processes and systems, such as roll-to-roll printing of flexible electronics, directed energy depositing processes, and materials synthesis. Her work is dedicated to developing advanced models for process and equipment monitoring and control, utilizing physics-based models and data-driven approaches.



Robert Leeman

Robert Leeman is professor and Chair of the Department of Health Sciences in the Bouvé College of Health Sciences at Northeastern University. He earned his bachelor's degree from Clark University, and his M.A. and Ph.D. in Psychology from the University of Pennsylvania. Dr. Leeman spent a decade at Yale as a post-doctoral fellow, then as faculty, followed by seven years at the University of Florida. His research interests are addictive behaviors, sexual health behavior, and difficulties with impulsivity. Dr. Leeman investigates the etiology of and interventions to ameliorate these behaviors, particularly among adolescents and young adults. Dr. Leeman has over 100 peer-reviewed publications and has been funded by the NIH continuously since 2010.



Alina Oprea

Alina Oprea is an associate professor in the Khoury College of Computer Sciences at Northeastern University and co-director of the Network and Distributed Systems Security (NDS2) Lab. Her research interests are broadly in cyber security, with a focus on machine learning security and privacy, threat detection, and cloud security. Her current research centers on designing trustworthy machine learning and artificial intelligence systems. She is the recipient of the Technology Review TR35 award for research in cloud security and the Google Security and Privacy Award. Dr. Oprea holds a B.S. in mathematics and computer science from University of Bucharest, Romania, and an M.S. and Ph.D. in computer science from Carnegie Mellon University.



K.J. Rawson

K.J. Rawson is an associate professor of English and Women's, Gender, and Sexuality Studies at Northeastern University. He works at the intersections of the digital humanities and rhetoric, LGBTQ+, and feminist studies. Focusing on archives as key sites of cultural power, Rawson studies the rhetorical work of queer and transgender archival collections in brick-and-mortar and digital spaces. He is founder and director of the Digital Transgender Archive, an award-winning collection of trans-related historical materials, and he chairs the editorial board of the Homosaurus, an LGBTQ+ linked data vocabulary.



Amit Shesh

Amit Shesh is a teaching professor at the Khoury College of Computer Sciences at Northeastern University where he has taught, designed, and re-designed several courses in the undergraduate and graduate curricula in computer science. He is also the director of the Master in Computer Science Program at the Boston campus, overseeing the curriculum in the program and in the network. Dr. Shesh has published in several prestigious journals in the areas of computer graphics and computer science education. He received his bachelor's degree in computer technology from the University of Mumbai (India), and his master's and Ph.D. in computer science from the University of Minnesota.



Gustavo Vicentini

Gustavo Vicentini is a teaching professor in the Department of Economics at Northeastern University, where he teaches graduate and undergraduate classes in statistics, econometrics, industrial organization, and other micro-themed economics courses. His areas of research interest are industrial organization and applied econometrics. Dr. Vicentini is also the Undergraduate Program Director of the Department of Economics, overseeing undergraduate curriculum development and related matters. Before coming to Northeastern, he worked for several years as an economist at Analysis Group, a firm that provides economic consulting to law firms, corporations, and government agencies. Dr. Vicentini received his Ph.D. in economics from Boston University.



Maria Elena Villar

Maria-Elena Villar is a Professor of Communication Studies and Department Chair at Northeastern University's College of Media, Arts, and Design. Her research focuses on community engagement with underrepresented and hyper-vulnerable populations in the intersection of strategic communication and health/science communication. Villar's work is based on applied projects that incorporate mixed methods and participatory approaches. She has co-created serious games for the prevention and awareness of commercial sexual exploitation of children in Colombia, and adapted that work for Latinx youth in South Florida. Villar has published over 50 peer-reviewed articles and book chapters, and has been Principal Investigator on NIH-funded pilot grants. She holds a Master's in Public Health and a Ph.D. in communication from the University of Miami.



Emily Zimmerman

Dr. Emily Zimmerman is an Associate Professor and Interim Chair of Communication Sciences & Disorders at Northeastern University. She directs the Speech & Neurodevelopment Lab, which examines the cross-section of sucking, feeding and speech emergence across environmental, maternal, physiological, and genetic factors. Dr. Zimmerman is the Principal investigator on several NIH grants examining these themes across patient populations, including those born preterm and infants with cleft lip and/or palate.