Research and Application in Team Science

Committee

Diana L. Burley

Co-Chair

Diana L. Burley is a global cybersecurity expert with more than 30 years of experience driving digital transformation, implementing cybersecurity workforce initiatives, and promoting an equitable global technology community. She is currently Vice Provost for Research and Innovation at American University where she also leads the Khan Cyber & Economic Security Institute and serves as a member of the faculty. As both the university's chief research officer and chief innovation officer, she oversees the university-wide R&D portfolio, research partnerships, and strategic initiatives to catalyze discovery. She advises government officials and regularly offers thought leadership at executive forums. Her board service includes the Cyber Future Foundation and the Global Cyber Security Advisory Group, and she has been honored by GET Cities, Executive Women's Forum, SC Magazine, ACM, and others for her leadership in building the global cybersecurity workforce. She earned her Ph.D. from Carnegie Mellon University.

Mo Wang

Co-Chair

Mo Wang is the Lanzillotti-McKethan Eminent Scholar Chair and the associate dean for research and strategic initiatives at the Warrington College of Business at University of Florida. He is also the chair of the Management Department and the director of Human Resource Research Center at University of Florida. He specializes in research areas of organizational behavior and human resource management, especially on team science. He received numerous research awards for his research in these areas, including Academy of Management (AOM) HR Division Scholarly Achievement Award, Careers Division Best Paper Award, European Union's Erasmus Mundus Scholarship Award for Work, Organizational, and Personnel Psychology, Emerald Group's Outstanding Author Contribution Awards, Society for Industrial-Organizational Psychology's (SIOP) William A. Owens Scholarly Achievement Award, and Journal of Management Scholarly Impact Award. He also received a number of early/mid-career contribution awards from AOM, APA, SIOP, and Society for Occupational Health Psychology (SOHP). He is an elected Foreign Member of Academia Europaea (M.A.E) and a Fellow of AOM, APA, APS, and SIOP. He was the President of SOHP (2014-2015). He is currently serving on the President-track for Society for Industrial-Organizational Psychology (2021-2024). He received his Ph.D. from Bowling Green State University.

Dorothy Carter

Member

Dorothy Carter is an associate professor of organizational psychology at Michigan State University. Previously, she was an associate professor of industrial/organizational psychology at The University of Georgia (UGA). Her research program focuses on organizational leadership, team and multiteam system effectiveness, social network analysis, and individual differences in the workplace. She is the PI of an award from the National Science Foundation (NSF) that leverages social network analytics to understand patterns of leadership and collaboration among senior leaders within organizations and the PI of an award from the National Aeronautics and Space Administration (NASA) that aims to understand and support spaceflight multiteam system performance throughout long-duration space exploration missions to Mars. She is a Co-Investigator on multiple other awards focused on organizational teamwork and collaboration. She developed a “team science leadership” training program in collaboration with the UGA Provost’s office and led the program for 4 years, working closely with high-potential scientists across UGA’s campus to develop their capacity to lead scientific teams and multiteam systems. She received the 2023 “Early Career Award in Groups and Teams Research” from the Interdisciplinary Network for Groups Research and the “Rising Star in Leadership Research Award” from the Academy of Management’s Network of Leadership Scholars. She is currently serving on a National Academies of Sciences, Engineering, and Medicine Panel that is co-authoring a report on the State of the Profession of Heliophysics; her role on the panel was to provide expertise related to team science. She earned her Ph.D. at the Georgia Institute of Technology.

Erin Kai-Ling Chiou

Member

Erin K. Chiou is an associate professor of human systems engineering at The Polytechnic School, part of the Ira A. Fulton Schools of Engineering at Arizona State University. Her research focuses on human-automation interaction, job design with information and communication technologies, and trust in sociotechnical systems. Her work addresses complex work domains like education, healthcare, and defense. She has served as a member of the Diversity and Inclusion Committee for the Human Factors and Ergonomics Society since 2016, including as chair from 2017-2019. She is also a co-editor of the 2020 volume on “Advancing Diversity, Inclusion, and Social Justice Through Human Systems Engineering,” a winner of the “Outstanding Academic Title” recognition by Choice for the 2020 OAT Awards. She has served as a reviewer and committee member for several National Academies efforts since 2019, including as a member for the 2021 consensus study on Human-AI Teaming: State-of-the-Art and Research Needs. Chiou received her Ph.D. and M.S. in industrial & systems engineering (human factors & ergonomics) from the University of Wisconsin-Madison.

Deborah J. DiazGranados

Member

Deborah J. DiazGranados is an associate professor in the School of Medicine at Virginia Commonwealth University. She also serves as the Director of Evaluation and Team Science as well as the Director of DEIA for the Kenneth and Dianne Wright Center for Clinical and Translational Research. Her expertise is in leadership and collaboration. Her research advances a view of collaboration as being dynamic and influenced by context and the connections made between individuals. Her research in shared leadership has highlighted the need to facilitate knowledge integration across disciplines to create innovation. She has been a PI or Co-PI on over $10M in grants and contracts. She received her Ph.D. and M.S. in industrial-organizational psychology from the University of Central Florida.

Stephen M. Fiore

Member

Stephen M. Fiore is the director of the Cognitive Sciences Laboratory and Pegaus Professor with the University of Central Florida's Cognitive Sciences Program in the Department of Philosophy and School of Modeling, Simulation, and Training. He maintains a multidisciplinary research interest that incorporates aspects of the cognitive, social, organizational, and computational sciences in the investigation of learning and performance in individuals and teams. His primary area of research is the interdisciplinary study of complex collaborative cognition and the understanding of how humans interact socially and with technology. He is the past president of the International Network for the Science of Team Science (INSciTS), and past president of the Interdisciplinary Network for Group Research (INGRoup). He was a member of the expert panel for the Organisation for Economic Co-operation and Development's 2015 Programme for International Student Assessment (PISA) which focused on collaborative problem-solving skills. He has contributed to working groups for the National Academies of Sciences in understanding and measuring "21st Century Skills" and was a committee member of their "Science of Team Science" consensus study, as well as a member of the National Assessment of Educational Progress report on "Collaborative Problem Solving". He is the recipient of UCF's Luminary Award (2019), as recognition for his work having a significant impact on the world, and UCF's Reach for the Stars Award (2014), as recognition for bringing international prominence to the university. He has a Ph.D. in cognitive psychology from the University of Pittsburgh.

Michael C. Frank

Member

Michael C. Frank is Benjamin Scott Crocker Professor of Human Biology in the Department of Psychology at Stanford University and director of the Symbolic Systems Program. He studies children's language learning and development, with a focus on the use of large-scale datasets to understand the variability and consistency of learning across cultures. He is a founder of the ManyBabies Consortium and has led open-data projects including Wordbank and the ongoing LEVANTE project. He has received awards including the Troland Award from the National Academy of Sciences and the FABBS Early Career Impact award. He served as President of the Cognitive Science Society, has edited for journals including Cognition and Child Development, and is the current co-editor in chief of the Open Encyclopedia of Cognitive Science. He received his Ph.D. from in Brain and Cognitive Sciences at the Massachusetts Institute of Technology.

Nicole B. Motzer

Member

Nicole B. Motzer is the director of the Office of Research Development at Montana State University. Prior to that, she served as assistant director for interdisciplinary science for the National Socio-Environmental Synthesis Center (SESYNC). She is an expert in the practice of interdisciplinarity and team science. She has mentored hundreds of scholars and dozens of research teams through team science best practices, led several first-of-their-kind team science training and funding opportunities, and regularly coached research groups across the country. In addition to a team science facilitator and trainer, she is an interdisciplinary collaborator herself in topics ranging from interdisciplinary evaluation to marine spatial planning to grassland health. She is co-PI on a NASA Land Cover Land Use Change award, co-PI on an NSF GRANTED award, and served as PI of a global effort funded by the Gordon and Betty Moore Foundation. She was awarded a Visiting Fellowship by Michigan State University’s Center for Interdisciplinarity in 2019. In 2021, she was invited to participate in and review the proceedings for NASEM’s Measuring Convergence in Science and Engineering Workshop. She completed her Ph.D. in geographical sciences at the University of Maryland, College Park as an NSF Graduate Research Fellow.

Mark T. Peters

Member

Mark T. Peters is the executive vice president for National Laboratory Management and Operations at Battelle Memorial Institute with responsibilities for governance and oversight of U.S. Department of Energy (DOE) and U.S. Department of Homeland Security national laboratories for which Battelle has a significant lab management role. Previously, he was the director of Idaho National Laboratory and president of Battelle Energy Alliance, LLC. He was responsible for management and integration of a large, multipurpose laboratory whose mission focuses on nuclear energy, national and homeland security, and energy and environmental science and technology. He managed this national laboratory of approximately 5,000 staff in multiple nuclear and nonnuclear experimental facilities, with an annual budget of over $1.4 billion. He served two years as chairman of the National Laboratory Directors' Council, an independent body that coordinates initiatives and advises the DOE and other national laboratory stakeholders. Prior to joining Battelle, he served as the associate laboratory director for Energy and Global Security at Argonne National Laboratory. He serves as a senior adviser on nuclear energy technologies, research and development programs, and nuclear waste policy. As an expert in nuclear fuel cycle technologies and nuclear waste management, he is called upon to provide expert testimony to Congress and to advise in formulation of policies for nuclear fuel cycles, nonproliferation, and nuclear waste disposal. He was elected as a member of The National Academy of Engineering (NAE) in 2021, for leadership and contributions in advancing U.S. nuclear energy capabilities and infrastructure. He was honored as a fellow of the American Nuclear Society (ANS) in 2015, for outstanding accomplishments in the area of nuclear science and technology. He served on the ANS Public Policy Committee and the executive committee of the ANS Fuel Cycle and Waste Management Division. He also serves on several boards and advisory committees, including the Idaho Power Board from 2021 to present. He received his doctorate in geophysical sciences from the University of Chicago and a bachelor's degree in geology from Auburn University. He has received extensive management and leadership education and training, including completion of the Strategic Laboratory Leadership Program at the University of Chicago Booth School of Business.

Susan J. Simkins

Member

Susan J. Simkins (formerly Mohammed) is a professor of industrial-organizational psychology at The Pennsylvania State University, where she leads the Teams, Cognition, and Time (TCaT) lab. As the director of team science for the Penn State Clinical and Translational Science Institute, she merges science and practice by educating and consulting with team leaders and members on improving their team processes and outcomes. For the past three decades, she has investigated the drivers of effective teamwork and performance. Her research focuses on team cognition, team composition/diversity, and the role of time in team and leadership research. Her most recent work is applying these research topics to human-robot teaming. The National Science Foundation, the National Institutes of Health, and the Office for Naval Research fund her research. She is a fellow of the Association of Psychological Science and the Society for Industrial and Organizational Psychology. She serves as an associate editor for the Academy of Management Annals and the Journal of Business and Psychology. She received her Ph.D. from The Ohio State University.

Kelly D. Taylor

Member

Kelly D. Taylor is an assistant professor of medicine in the Division of Prevention Science and director of the Domestic Portfolio in the Center for Pandemic Preparedness and Response in the Institute for Global Health Sciences at the University of California San Francisco. Her research aims to both train leaders in health equity science and build transformative public health solutions with community partners to advance equity and saves lives by centering the perspective of those individuals and communities who are experiencing risks for poor health outcomes and empowering both them and their care teams to optimally mitigate that risk. As a part of that work, she leads CULTIVATE, Combating Unequal Treatment in Healthcare Through Virtual Awareness and Training in Empathy, which is a team science developed study that explores decreasing bias in health care experienced by Black, Indigenous and People of Color using patient-provider virtual reality simulations. She was invited to speak at the 2023 Congressional Black Caucus' Legislative Conference on Unmasking Bias in Medicine. She was awarded NIH pre-doctoral and postdoctoral traineeships to study health services research and AIDS prevention studies respectively. She holds degrees from the University of Michigan, Vanderbilt University, and the University of California, Berkeley.

Cory Valente

Member

Cory Valente is an R&D/TS&D director at the Dow Chemical Company. He works with customers, business partners, and manufacturing colleagues to drive an innovation strategy that enables business growth and more sustainable processes and products. Previously, he served as the North America Leader for Diversity, Equity, Inclusion, and Employee Experience at Dow. He was key in the development and implementation of Dow's Advocacy, Community and Talent (Dow ACTs) commitments to address systemic racism and racial inequity (www.dow.com/ACTs). He also spearheaded and co-led the first ever Social Justice Council for Dow's proactive engagement on social justice issues. He also served as the global leader for GLAD, Dow's employee resource group for LGBTQ+ and Ally employees. He is the author of over 25 peer-reviewed publications. He was named by OUTstanding to their Top 50 Future LGBT leaders list in each year 2015-2019 and received the 2017 American Chemical Society's Regional Stanley C. Israel Award for advancing diversity in the chemical sciences. He holds a Ph.D. in organic chemistry from York University and completed a postdoctoral fellowship at Northwestern University.

Christopher W. Wiese

Member

Christopher W. Wiese serves as an assistant professor in the School of Psychology and the area director of the Industrial-Organizational Psychology Program. He is also a prominent board member of the International Network for the Science of Team Science and the Team Science Lead for the Georgia CTSA. Previously, he has held various roles that have honed his expertise in organizational psychology and team dynamics. An expert in team science, he specializes in studying team resilience, learning, and the temporal dynamics of team phenomena. He has conducted numerous workshops and consulting sessions on team composition, conflict management, team effectiveness, and leadership. His innovative Team Science Boot Camp is a testament to his commitment to advancing team science methodologies. His distinguished work has been sponsored by prestigious institutions such as the National Science Foundation, National Institutes of Health, NASA, and the Air Force Research Laboratory, highlighting his significant contributions to the field. He received his Ph.D. in industrial-organizational psychology from the University of Central Florida.