

Supply Chain Disruptions: Impacts on Vulnerable Communities. A Workshop

Committee

Ravi Anupindi

Chair

Dr. Ravi Anupindi is Colonel William G. and Ann C. Svetlich Professor of Operations Research and Management at the University of Michigan Stephen M. Ross School of Business. Dr. Anupindi is chair of (UM) President's Advisory Committee on Labor Standards and Human Rights and is a member of NASEM's Board of Global Health. He was the founding Faculty Director of the Center for Value Chain Innovation (2017-2020) and the Ross Master of Supply Chain Management program (2008-2015).

His main research areas include technology and business innovation, global supply chain management, health care delivery in low and middle-income countries, economic development, and environmental & social sustainability. He serves as a faculty expert on a task force to look into health care supply chain and national security issues. He was co-chair of 2021 NASEM consensus study on Globally Resilient Supply Chains for Seasonal and Pandemic Influenza Vaccines. Dr. Anupindi is co-Chair of the annual Global Health Supply Chain Summit (GHSCS) that brings together academics, country planners, NGOs, practitioners, private sector, and representatives of various multi-lateral and donor agencies to discuss the issues, progress, (new) developments in global health supply chains and delivery.

Dr. Anupindi is recipient the Ross School of Business Neary Teaching Excellence Award (2019), Victor L. Bernard Teaching Leadership Award (2019), and the CORE (Contribution to Research Environment) Award (2015). He was a founding board member of the People that Deliver Initiative and now serves on the board of the William Davidson Institute, the Fair Labor Association, and ProjectStanley; and as a technical advisor to Vital Ocean. He is also on the steering committee of the Supply Chain Risk Leadership Council.

Dr. Anupindi received his PhD in Management of Manufacturing and Automation from the Carnegie Mellon University.

Tinglong Dai

Member

Dr. Tinglong Dai is a professor at the Johns Hopkins Carey Business School with a joint appointment at the Johns Hopkins School of Nursing. He serves on the leadership team of the Hopkins Business of Health Initiative and the Executive Committee of the Institute for Data-Intensive Engineering and Science. Dr. Dai's research interests span healthcare operations, global supply chains, and human-AI interaction. His work has been published in leading journals such as Management Science, M&SOM, Marketing Science, and Operations Research, and has been recognized with the Johns Hopkins Discovery Award, the INFORMS Public Sector Operations Research Best Paper Award, the POMS Best Healthcare Paper Award, and the Wickham Skinner Early Career Award (runner-up). In 2021, he was named one of the World's Top 40 Under 40 Business School Professors by Poets & Quants. Since the onset of the COVID-19 pandemic, Dr. Dai has been quoted thousands of times in the media, including the Associated Press, Bloomberg, CNN, Financial Times, New York Times, NPR, Wall Street Journal, and Washington Post, and has appeared on national and international television, including CNBC, PBS NewsHour, and Sky News. He received his Ph.D. in Management of Manufacturing and Automation from Carnegie Mellon University in 2013. He previously served on the planning committee for the National Academies' Workshop on PPE/PPET Standardization for a Resilient Public Health Supply Chain.

Ozlem Ergun

Member

Dr. Ozlem Ergun is a College of Engineering Distinguished Professor and the Associate Chair for Graduate Affairs in Mechanical and Industrial Engineering at Northeastern University. Dr. Ergun's research focuses on design and management of large-scale and decentralized networks. She has applied her work on network design, management, and resilience to problems arising in many critical systems including transportation, pharmaceuticals, and healthcare. She has worked with organizations that respond to emergencies and humanitarian crises around the world, including USAID, UN WFP, UNHCR, IFRC, OXFAM America, CARE USA, FEMA, USACE, CDC, AFCEMA, and MedShare International.

Dr. Ergun was the President of INFORMS Section on Public Programs, Service and Needs in 2013. She currently serves as the Area Editor at the Operations Research journal for Policy Modeling and the Public Sector Area and the Department co-Editor at MSOM journal for Environment, Health and Society Department. In addition, Dr. Ergun was the Vice President of Membership and Professional Recognition on the INFORMS Board of Directors, 2011 - 2015.

Prior to joining Northeastern Dr. Ergun was the Coca-Cola Associate Professor in the School of Industrial and Systems Engineering at Georgia Institute of Technology, where she also co-founded and co-directed the Health and Humanitarian Systems Research Center at the Supply Chain and Logistics Institute. She received a B.S. in Operations Research and Industrial Engineering from Cornell University in 1996 and a Ph.D. in Operations Research from the Massachusetts Institute of Technology in 2001.

Felicia Jefferson

Member

Dr. Felicia Jefferson is Associate Professor at the Department of Biochemistry and Molecular Biology at the University of Nevada, Reno. Dr. Jefferson holds a B.S. in Biotechnology and German Language from Rochester Institute of Technology, an M.S. in Molecular Genetics and Biochemistry from Georgia State University and a Ph.D. in Neuroscience and Biomedical Science from Morehouse School of Medicine. Previously, Dr. Jefferson served as a Biology and Environmental Science faculty member at the Fort Valley State University. She also served on two National Academies of Science, Engineering and Medicine (NASEM) panels and presented to the National Science Board. She was also commissioned as the lead author for a NASEM publication. She serves as an appointed delegate to National CDEI under the American Society for Engineering Education (ASEE)'s Board of Directors and to the Artificial Intelligence in Sleep Medicine Committee under the American Association of Sleep Medicine. A recent publication funded by the National Science Foundation and published in the journal *Frontiers in Computer Science* by Jefferson is the most viewed peer-reviewed original research paper in the journal. She also has recent publications using Artificial Intelligence in Biology, CRISPR-Cas9 technology, remodeling the CREST Model, and investigating cognitive decline in *Drosophila* and patients. Dr. Jefferson has served as PI on several grants and as co-PI on many STEM-based grants. Funds from the grants that she leads advance scientific research, train students in STEM and fund students to participate in conferences and other training opportunities. Dr. Jefferson's achievements have earned her the GOLD (Graduate of the Last Decade) award in 2021 from Morehouse School of Medicine.

Benjamin Lyle Ruddell

Member

Dr. Benjamin Ruddell is a Professor in the School of Informatics, Computing, and Cyber Systems (SICCS) at Northern Arizona University, Director of the FEWSION supply chain data science project, Chief Science Officer at Criticality Sciences Inc., Affiliate Global Futures Scholar at the Julie Ann Wrigley Global Futures Laboratory at Arizona State University, and former Director of SICCS. His professional experience is in the fields of informatics, data science, systems engineering, networks, and critical infrastructure resilience. His 2008 PhD in Civil and Environmental Engineering was earned at the University of Illinois at Urbana-Champaign. He is a registered Professional Engineer in Arizona and a lifetime member of the American Society of Civil Engineers (ASCE).

Negin Sobhani

Staff Officer