

Supply Chain Disruptions: Impacts on Vulnerable Communities Workshop

Speaker Bios

Science and Technology for Resilience Program

Policy and Global Affairs

National Academies of Sciences, Engineering, and Medicine

Project Overview



Ravi M. Anupindi, Ph.D. (Committee Chair)

Ravi Anupindi is Colonel William G. and Ann C. Svetlich Professor of Operations Research and Management at the 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 and the Ross Master of Supply Chain Management

program.

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 the 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 a recipient of 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 Carnegie Mellon University.

Keynote: Supply Chain Disruptions: Impacts on Communities



Jeffrey J. Dorko

Jeff Dorko is the Assistant Administrator, Logistics Federal Emergency Management Agency. Mr. Dorko began his FEMA career as the Director of the Office of Federal Disaster Coordination where he led the Agency's field leader cadre including Federal Coordinating Officers and Federal Disaster Recovery Coordinators. Since March of 2014, he has served as the Assistant Administrator for Logistics within the Office of Response and Recovery, with two periods of time, early 2020 through the end of 2021, and June to December 2022, when he served as the Acting Deputy Associate Administrator for Response and Recovery.

Mr. Dorko's public service career spans more than 45 years, 34 of which were in the United States Army, serving in a variety of positions world-wide. He completed his military service as the U.S. Army Corps of Engineers' Deputy Commander for Military and International Operations.

Mr. Dorko is a graduate of the United States Military Academy and has post-graduate degrees from the George Washington University and the Industrial College of the Armed Forces at the National Defense University.

Panel 1: Community Voices: Disruptions and Challenges

Speakers:



Reverend James L. Caldwell

Reverend James L Caldwell is a native of Fifth Ward Houston TX: a historically African American community and one of the oldest neighborhoods in Houston. In 2008, his passion for the community led him to birth COCO; and develop a community network that builds sustainability within the community through dissemination of information and community events.

In partnership with Healthy Ports Communities Coalition, TEJAS, CEER. THEA. Environmental Defense Fund, Environment Texas, WeAct. City of Houston Health Department. Deep South Center for Environmental Justice, and Texas Southern University Bullard Center of Environmental and Climate Justice, COCO puts on environmental justice community meetings that educate the community on a variety of resilience issues.

Reverend Caldwell is also a Harris County Registered Deputy Voter Registrar and actively supports Get The Vote Out campaigns: and enjoys his partnership with Houston Area League of Women Voters.

He is a proud Phyllis Wheatley HS alum. Reverend Caldwell is also an alum of the Texas Southern University Barbara Jordan Mickey Leland School of Public Affairs and the Dallas Theological Seminary. He has been an ordained minister for 30 years.

Reverend Caldwell is credited with helping with inception of a couple of Houston's leading NGOs such as CEER. Coalition of Environment. Equity, and Resilience (CEER) and West Street Recovery. And actively supporting Pure Justice, Texas Organizing Project (TOP). Fair Housing and Neighborhood Rights, and Fatherhood Mentoring Foundation.



Lynda Zambrano

Lynda Zambrano has served as the Executive Director of the Northwest Tribal Emergency Management Council and the National Tribal Emergency Management Council for the past 20 years. She has graduated from the St. Cloud State University with a degree in Biology, minoring in Chemistry. She did internship at the US Environmental Protection Agency's Monticello Nuclear Plant in MN and research on the effects of selenium discharge in US Waterways. Her career of interest has always been in the field of public service.

Ms. Zambrano has received recognition for her work throughout Indian Country from the US Department of Homeland Security and US Bureau of Indian Affairs, as well as FEMA. She was even inducted into the International Association of Women in Emergency Management's Hall of Fame for her strides towards tribal community resiliency. Her career has been a journey of both self-development and pro-gram development.

Over the years, Ms. Zambrano has served the people in various roles such as: service in the US Department of Commerce; Chief Administrator for several tribal health facilities, emergency manager for two tribes; law enforcement and emergency management program developer for several tribes; and Chairperson for the Washington State Region I Homeland Security Tribal Committee. Lynda recently helped co-found the Fresh Food Coalition and, along with the National Tribal Emergency Management Council's sister non-profit, Farmer Frog, oversees the distribution of food and supplies in 35 states to over three million people. Aside from emergency management, Lynda is also a well-accomplished businesswoman of her own past successful enterprises.

Ms. Zambrano possesses an extensive background in finance, contracts management and audit compliance work. She has assisted with securing hundreds of grants and tens of millions of dollars for Tribal Nations. Lynda subsequently received many awards from the Snohomish County Sheriff's Office for her 15 years of work in community service and simply feels like she is just getting started. She is the proud wife of Richard Zambrano, whom is a member of the Snoqualmie Tribe and previous Tribal Councilman, and mother of three biological and 11 stepchildren.



Martine Hippolyte

As the Director of Community Engagement for FRESHFARM, a local food system non-profit based in Washington, DC, Martine Hippolyte remains energized to be leading community engagement efforts that help create a more just and equitable food system. Originally from California, Martine moved to the District of Columbia to attend Howard University where she graduated with a degree in Psychology. Impassioned by the desire to

improve health outcomes and inherent joyfulness in marginalized communities, Martine embarked on an 11-year professional journey exploring the many facets of the education and social services before discovering the wonder and power of the local food system.

Martine has worked within the local food system as a Food Education Teacher, Market Manager, Instructional Coach, and a Program Manager before successfully founding the Community Engagement Department at her organization. Martine is primarily responsible for providing leadership and management in the development, planning, and coordination of community councils, outreach, technical assistance, and education programming. Martine remains most proud of the meaningful and trusting relationships she has built with various stakeholders and think-partners on behalf of her organization and her team. Martine is currently obtaining a master's in public health from the University of North Carolina, Chapel Hill.



Sherry Menor-McNamara

Sherry Menor-McNamara was appointed as the President and Chief Executive Officer of the Chamber of Commerce Hawaii. She is the youngest and first female President and CEO in the Chamber's 173-year history, as well as the first Asian to serve as the leader of a State Chamber in the nation.

Ms. Menor-McNamara has lived in several major cities, including Tokyo, New York, Washington D.C., Los Angeles, and London, working for a wide variety of companies. She currently serves on the Board of Directors of the Hawaii Tourism Authority and Board of Trustees of the JAITS Foundation. Nationally, she serves on the Board of Directors of the U.S. Chamber of Commerce, the Council of State Chambers (COSC), the Association of Chamber of Commerce Executives (ACCE), and Western Association of Chamber Executives (WACE), as well as on the U.S. Chamber's Committee of 100. Under her leadership, the Chamber won the 2018 ACCE State Chamber of the Year, and in 2019, won two national Council of State Chambers awards.

Ms. Menor-McNamara earned a certificate in “Expanding Impact in Advocacy” from the Harvard Kennedy School of Executive Education. She received her juris doctorate degree from the University of Hawaii’s (UH) William S. Richardson School of Law and her Master of Business Administration from UH’s Shidler College of Business. She also pursued graduate study in public administration at the University of Southern California (USC) and holds a bachelor’s degree in political science from the University of California at Los Angeles (UCLA).

Moderator:



Benjamin Lyle Ruddell, Ph.D. (Committee Member)

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. Dr. Ruddell is a registered Professional Engineer in Arizona and a lifetime member of the American Society of Civil Engineers (ASCE).

Panel 2: Who’s Doing What: Government Agencies, NGOs, Private Sector

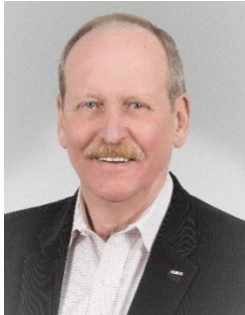
Speakers:



Jessica Dandridge

Ms. Dandridge received her B.A at Xavier University of Louisiana in Political Science and her M.A in International Affairs with a concentration in conflict and security at The New School for Public Engagement in New York City. Since starting her career as a youth organizer in 2005, she has worked for, or in collaboration with over two dozen organizations in the Greater New Orleans area, Gulf South, and nationally. Before starting at the TWC, Ms. Dandridge was the Louisiana State Director at the Campaign Election Engagement Project, and a Program Director for Rural Electric Cooperative Democracy Project for the Rockefeller Family Fund. Ms. Dandridge is a trained facilitator from YPQI, has a certificate in Leadership, Activism and Civil Rights from Brown University, and a certificate in Kingian Nonviolence Strategies from the Selma Center of Nonviolence. Ms. Dandridge also has a certification in Climate Communications & Design from Loyola University. In her current work, Ms. Dandridge sits on the National Academy of Science, Engineering, and Medicine’s Climate

Resiliency Roundtable, A member of the Community Advisory Board for the Coalition to Restore Coastal Louisiana and is a board member for New Harmony High School in New Orleans, Louisiana. She is a state commissioner for the Coastal Protection, Restoration, and Conservation and in 2023, Ms. Dandridge was selected to participate in the Inaugural Obama Leader USA Cohort, and for 40 under 40 the Greater New Orleans Region.



William Craig Vanderwagen, MD

Dr. Vanderwagen is a family physician who retired as a Rear Admiral in the United States Public Health Service (USPHS) in 2009. He served for 25 years in the Indian Health Service, the federal program of medical and public health services for American Indians and Alaska Natives. During this period, he also served as the lead health official at several disasters including medical care for Kosovar refugees; advisor to the Afghan Ministry of Health; director of public health and advisor to the Iraq Ministry of Health; the USNS Mercy response to the 2004 tsunami; and commander of the public health and medical response to Hurricanes Katrina/Rita.

Dr. Vanderwagen's last federal assignment (2006-2009) was as the Assistant Secretary for Preparedness and Response at the US Department of Health and Human Services (DHHS). He was responsible for leading all federal public health and medical assets in disaster response and, responsibility for guiding the \$11B DHHS medical countermeasure advanced development program to address CBRN threats which now has over 100 products in the development pipeline.

Dr. Vanderwagen is currently Co-Chair of the National Academies Forum on Medical and Public Health Preparedness for Disasters and Emergencies (MedPrep). He is also an instructor at Harvard Chan School of Public Health. Previously, Dr. Vanderwagen was a Director and General Manager of East West Protection, a Potomac MD based firm specializing in public health and medical preparedness, detection, response, and command and control systems for CBRN threats and other disasters from 2013-2021. He was also the Chairman of the Advisory Board of E-N-G Mobile Systems, a design and construction firm specializing in mobile laboratories, clean room manufacturing, and public safety vehicles. He is a past chairman of the Board at VIDO-Intervac, a Canadian vaccine research and development company, and a senior partner at Martin, Blanck, and Associates, a consulting firm of retired General and Flag officers specializing in military health matters. He is a frequent public speaker on biodefense, public health preparedness, and leadership.



Katie Murphy

Katie Murphy is the Senior Manager of Business Continuity at C&S Wholesale Grocers. She monitors threats to the supply chain, coordinates inter-department planning and responses, and coordinates with government partners at the local, state, and federal level to support the food supply chain. Over the past four years she has coordinated responses to over 150 incidents across the United States for a range of hazards,

including hurricanes, winter storms, utility incidents, labor issues, internal disruptions, and COVID-19.

Prior to joining C&S Wholesale Grocers, she served as the Emergency Operations Center Director at NYC Emergency Management. In this role, she coordinated internal response teams, managed trainings, and exercises, and facilitated post-incident debriefs and improvement planning processes. As EOC Director, Katie restructured operations to better support impacted communities and responders in the field, launched the agency's annual EOC exercise series, and fostered learning across the agency via work groups and mentoring. In addition, she has worked as a responder for the American Red Cross of Greater New York and consulted for The Chertoff Group.

Katie earned her MPH from Tulane University's School of Public Health and Tropical Medicine, focusing on international health and development. She is also a FEMA-certified Master Exercise Practitioner, and a DRI International Certified Business Continuity Professional.



Brooks Nelson

Brooks Nelson is a senior manager on the community resilience team at Walmart.org. In this role, Brooks leads disaster preparedness and response, as well as food recovery and product donations for Walmart and the Walmart Foundation.

Before joining Walmart, Brooks served as the Senior Director of Global Resilience at the U.S. Chamber of Commerce Foundation Corporate Citizenship Center where he managed the Community Resilience and Disaster Response program. In this position, Brooks led programming around the private sector's role in preparedness, response, and recovery to both natural and human-made disasters. Brooks began working with Corporate Citizenship Center in March 2009 as a researcher for the Together for Recovery campaign and held various roles within the Corporate Citizenship Center.

Prior to joining the Center, Brooks was with USA Freedom Corps, the civic engagement office of the White House under the Bush Administration.

Brooks is a graduate of Iowa State University where he holds two bachelor of science degrees, one in Public Service and Administration and the other in Apparel Merchandising, Design, and Production with an emphasis in creative design. Brooks and his partner, Jafet, currently reside in Northwest Arkansas.

Moderator:



Özlem Ergun, Ph.D. (Committee Member)

Özlem 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 her B.S. in Operations Research and Industrial Engineering from Cornell University and Ph.D. in Operations Research from the Massachusetts Institute of Technology.

Panel 3: Innovative Approaches & Sustainable Strategies

Speakers:



Carla Chinavare

Carla Chinavare has worked in the non-profit space, specifically with Community Action for 23 years. She is the Whole Family School Age Services Director for Wayne Metropolitan Community Action Agency (Wayne Metro). Wayne Metro is a 501(c)(3) non-profit organization serving approximately 75,000 low-and moderate-income residents throughout Wayne County, Michigan. Wayne

Metro provides over 100 programs in the areas of Quality Housing, Family Stability and Economic Opportunities. As part of the Whole Family Team, Carla is responsible for agency projects related to addressing food insecurity, most notably The Families First Marketplace, as well as the agency's K-12 initiatives.



Christopher Tang, Ph.D.

Christopher Tang is a University Distinguished Professor and the holder of the Edward W. Carter Chair in Business Administration at the UCLA Anderson School of Management. Known as a world-renowned thought leader in global supply chain risk management, Mr. Tang has published 6 books, 30 book chapters, over 100 online blogs, over 160 research articles in various leading academic journals, and over 60 articles for Wall Street Journal, Financial Times, Barron's, Fortune, Forbes, Bloomberg Law, China Daily, Los Angeles Times, etc. Chris consulted with numerous global companies including Amazon, HP, IBM, NASA, Nestlé, Accenture, etc. Dr. Tang is the former Editor of the Journal of Manufacturing and Service Operations Management who has also served on the editorial board for over 12 academic journals. He has been elected as a lifetime fellow by the Institute of Operations and Management Sciences (INFORMS), the Production and Operations Management Society (POMS), and the Manufacturing and Service Operations Management Society (MSOM). He received his B.Sc. in Mathematics from King's College, London, M.A. in Statistics, M.Phil. in Administrative Science, and PhD in Management Science from Yale University.



Dima Mazen Qato, PharmD., Ph.D.

Dima Mazen Qato, PharmD, MPH, PhD serves as the Hygeia Centennial Chair and Associate Professor (with tenure) and Director of the Program on Medicines and Public Health at the University of Southern California School of Pharmacy and is a Senior Fellow with the USC Leonard D. Schaeffer Center for Health Policy and Economics.

Prior to joining USC, Dr. Qato was an associate professor at the University of Illinois Chicago (UIC). She also served as a National Academy of Medicine Pharmacy Fellow. Dr. Qato received her PharmD from UIC, an MPH from the Johns Hopkins School of Public Health and a PhD in Public Health from the University of Illinois.

Dr. Qato's research focuses on access and safe use of medicines and pharmaceutical policy both in the U.S. and globally and seeks to better understand why medications are used, or not used, and how they can and should be used in the population to promote equity, longevity, and good health. She utilizes population-based methods to better understand the underlying

mechanisms responsible for the use, underuse, and unsafe use of medications, how these patterns may influence health outcomes and health disparities, and what can be done from a community and policy perspective to address these growing public health problems.

Dr. Qato's research has been published in leading peer-reviewed journals, including JAMA and Health Affairs. Her seminal research on Pharmacy Deserts and closures has contributed important insights to policy makers on the role of pharmacies in public health and health disparities. Her work on polypharmacy, including drug-drug interactions, was awarded the 2017 American Society of Health System Pharmacists (ASHP) Literature Award in Drug Therapy Research. Dr. Qato's research has received widespread media coverage including in The New York Times, NPR, PBS News, Washington Post, The Atlantic, CNN, BBC, and National Geographic and is funded by various agencies, including the National Institutes of Health and the Robert Wood Johnson Foundation, and has also influenced national and state policies around medication access and safety.

Moderator:



Tinglong Dai, Ph.D. (Committee Member)

Tinglong Dai is a professor of operations management and business analytics 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. He previously served on the planning committee for the National Academies' Workshop on PPE/PPET Standardization for a Resilient Public Health Supply Chain.

Panel 4: Preparations: Lessons Learned & Getting Ready for Future

Speakers:



Erick C. Jones, Ph.D.

Dr. Erick C. Jones is dean of the College of Engineering at the University of Nevada, Reno. Jones is a former senior science advisor in the Office of the Chief Economist at the U.S. State Department. He also is a former professor and Associate Dean for Graduate Studies at the College of Engineering at The University of Texas at Arlington, and a former professor at the University of Nebraska Lincoln. Prior to his academic career, Jones held engineering, management, and executive management positions in industry.

Dr. Jones is an internationally recognized researcher in industrial manufacturing and systems engineering, with an expertise in supply chains. He is known for his pioneering work with Radio Frequency Identification (RFID) technologies, Lean Six Sigma Quality Management, and autonomous inventory control. He has published more than 243 manuscripts and three textbooks and has garnered more than \$10 million in grants and contracts.

Dr. Jones currently is serving a three-year term on the National Science Foundation Directorate for STEM Education Advisory Committee. He has served as a program director for the NSF Engineering Directorate for Engineering Research Centers Program and for the Education Directorate for Division of Graduate Education. He also has been a program director for the Graduate Research Fellowship (GRF) Program. Additionally, he was a National Academies Jefferson Science Fellow.

For more, see [“University of Nevada, Reno names Dr. Erick Jones dean of the College of Engineering.”](#)



Collin M. Arnold

Collin M. Arnold is the director of the Office of Homeland Security and Emergency Preparedness for the City of New Orleans, Louisiana (NOHSEP). NOHSEP is the coordinating public safety agency for the City of New Orleans, responsible for administering the City’s crisis and consequence management program. It coordinates the City’s preparedness for, response to, recovery from, and mitigation against crises, both natural and man-made, through “all-hazards” planning.

Collin has worked for the City of New Orleans for over 26 years, first with the New Orleans Police Department, then operations and emergency management at the Louis Armstrong New Orleans International Airport, and for the last decade in NOHSEP, having been appointed director by Mayor LaToya Cantrell in May 2018. Collin also has private sector experience in

transportation management and operations--aviation and rail--and is a licensed commercial pilot and flight instructor with airline experience. He is a veteran of the U.S. Coast Guard, having served on cutters worldwide.

Collin is a Certified Emergency Manager (CEM) with the International Association of Emergency Managers, a Professional Louisiana Emergency Manager (LEM-P) with the Louisiana Emergency Preparedness Association, as well as a graduate of the National Emergency Management Advanced Academy, through the U.S. Department of Homeland Security and FEMA.



Jarrod Goentzel, Ph.D.

Jarrod Goentzel is Founder and Director of the MIT Humanitarian Supply Chain Lab and Principal Re-search Scientist in the MIT Center for Transportation & Logistics. His research focuses on meeting human needs through better supply chain management, information systems, and decision support technology. Dr. Goentzel leads practical research in a

range of contexts to improve humanitarian response during emergencies and to strengthen supply chains serving vulnerable communities. Research involves direct engagement with the private sector, government agencies, humanitarian, international development, and community organizations on several continents. Dr. Goentzel has created residential and online courses in humanitarian logistics, international operations, and supply chain finance, and has extensive experience using simulation games to build intuition and leadership skills.

Previously, Dr. Goentzel was Executive Director of the MIT Supply Chain Management (SCM) Program, a nine-month master's degree program. He joined MIT in 2003 to establish the Zaragoza Logistics Center in Spain, which was the first node in the MIT Global SCALE Network. He received a Ph.D. from the School of Industrial and Systems Engineering at the Georgia Institute of Technology.



Patrick Branco

Patrick Branco was born and raised in Hawai'i. He received his bachelor's degree from Hawai'i Pacific University and a master's degree from Johns Hopkins School of Advanced International Studies (SAIS) in Washington, D.C. As a Rangel Fellow, Patrick joined the U.S. Foreign Service in 2012. He served tours in Colombia, Pakistan, the Office of the Special Representative

for Afghanistan and Pakistan, the Operations Center, and Venezuela. In 2020, Patrick returned home and was elected to the Hawai'i House of Representatives fighting for safer gun regulation, protection of native ecosystems, and Native Hawaiian rights. Currently, Patrick is the

Director for External Relations and Communications with Hawaii Green Growth, a public-private partnership focused on the United Nations Sustainability Goals.

Moderator:



Felicia Jefferson, Ph.D. (Committee Member)

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.

Fireside Chat: What we have heard, what needs to be addressed

Speakers:



Ivis Garcia, Ph.D.

Ivis Garcia is an Associate Professor Landscape Architecture and Urban Planning at Texas A&M. Dr. García earned her Ph.D. in Urban Planning & Policy from the University of Illinois at Chicago. She was an associate professor in the Department of Landscape Architecture and Urban Planning at Texas A&M University. Throughout her career, Dr. García has taught graduate and undergraduate classes in community engagement in planning, planning

communication, and studio courses in cities such as Chicago, Puerto Rico, and Salt Lake City. Her research is focused on engagement, housing, and community development and she has been awarded more than \$1 million in external research funding from the EPA, National Science Foundation, and the Natural Hazard Center. She has published over 50 peer-reviewed journal articles, five book chapters, and 40 technical reports, including the first American Planning Association PAS Report on diversity, “Planning with Diverse Communities.” Additionally, Dr. García has presented over 60 keynote or invited talks, including funded addresses at U. de Guadalajara, Columbia University, and Georgia Tech. Furthermore, she has been recognized for her housing justice work in Puerto Rico with disaster victims with Institute for Research on Poverty’s Emerging Poverty Scholars and Ford Foundation fellowships.



David J. Kaufman

David J. Kaufman is the Vice President and Director for Safety and Security at CNA. He is responsible for executive management of CNA’s work in the areas of public safety, homeland security, emergency management, and public health. From 2009 – 2015, Mr. Kaufman served as the Associate Administrator for Policy, Program Analysis, and International Affairs at the Federal Emergency Management Agency. Mr. Kaufman is a faculty member in Georgetown University’s graduate program in Emergency and Disaster Management; a subject matter expert for the Naval Postgraduate School’s Center for Homeland Defense and Security; and has served as a Chair and Appointed Committee and Roundtable Member for National Academy of Sciences on emergency management and homeland security issues, and in several senior positions in the U.S. Department of Homeland Security (DHS). Mr. Kaufman holds a Master of Public Policy degree from the University of Michigan.