

# Bridging Resilience Divides:

Technology, Transportation  
& Communications

**APRIL 14-16, 2022**

*Turnbull Conference Center*





KEYNOTE SPEAKER

**Kevin Guthrie**  
*Director, Florida Emergency Management*

Kevin Guthrie holds a Master of Arts in Human Services from Liberty University, a Bachelor of Arts in Criminal Justice from Columbia College and has more than 30 years of experience in Public Safety and Emergency Management in the state of Florida. Guthrie’s primary focuses as Deputy Director included coordinating efforts among all State agencies, Counties, and Municipalities in dealing with natural and man-made disasters to ensure that all of Florida is prepared and ready to respond. During the state of Florida’s COVID-19 response, Guthrie served as the Deputy State Coordinating Officer and the State Emergency Response Team Chief. Guthrie has won numerous awards for his efforts and success in emergency management, including the Chad Reed First Responder Award from Governor Rick Scott and the Presidential Call to Service Award from President Barack Obama. Guthrie is also a certified Master Exercise Practitioner by FEMA.

**BRIDGING THE RESILIENCE DIVIDE**  
**Conference Overview**

The digital divide, roughly defined as the gap in access opportunities to technological tools, is one of the major barriers between the communities in need and the smart and connected technology implementations. These challenges are often intensified for those who are poor, disabled, young, alone, or aged. Disasters are a fact of life. From hurricanes to COVID, disasters change our lives and widen the broadening gap between populations. This gap leaves our vulnerable populations susceptible to the worst possible outcomes. This workshop will gather community leaders to gain a better understanding of the factors affecting these divides. The key insight of this workshop is the transformative discoveries through the co-production of solutions and deep convergence of research, data and practice experiences across disciplines and sectors.

CONFERENCE AGENDA

**DAY ONE:** Thursday, April 14

8:00 a.m. – 8:30 a.m.	Check-In & Breakfast .....Room 108
8:30 a.m. – 9:30 a.m.	<b>Introduction &amp; Welcome</b> by Jim Clark, Provost, FSU.....Room 108
9:30 a.m. – 9:45 a.m.	BREAK
9:45 a.m. – 12:00 p.m.	<b>Concurrent sessions</b>
	<b>TRACK 1: NSF Older Adults &amp; Technology</b> .....Room 114
	Andrew Sixsmith Sara Czaja Goldie Nejat
	<b>TRACK 2: NSF Resilient Rural Infrastructure</b> .....Room 214
	Marcia Mardis Tarek Abichou Tisha Holmes & April Jackson & Bertram Melix Tian Tang
12:00 p.m. – 12:15 p.m.	BREAK
12:15 p.m. – 1:15 p.m.	<b>Lunch &amp; Keynote Speaker</b> .....Room 108
	Kevin Guthrie, Director, Florida Division of Emergency Management
1:15 p.m. – 1:30 p.m.	BREAK
1:30 p.m. – 2:15 p.m.	<b>Concurrent 45 minute panels</b>
	<b>TRACK 1: Older Adults &amp; Technology</b> .....Room 114
	(Moderator: Walter Boot) Lisa Bretz (Advantage Aging Solutions) & Kristy Carter (Tallahassee Senior Center)
	<b>TRACK 2: Infrastructure Resilience with Net Zero Goal</b> .....Room 214
	(Moderators: Tian Tang & Matt Carter) Michael Ohlsen (City of Tallahassee) & Ada Clark (ECRC)
2:15 p.m. – 2:30 p.m.	BREAK
2:30 p.m. – 3:30 p.m.	<b>Community Stakeholders</b> .....Room 108
	Regional Planning Councils & City of Tallahassee (Moderator: Dennis Smith) Caroline Smith (ARPC), Ada Clark (ECRC), & Abena Ojetayo (City of Tallahassee)
3:30 p.m. – 3:45 p.m.	BREAK
3:45 p.m. – 4:30 p.m.	<b>Round Robin Roundtable Discussions</b> .....Room 108
4:30 p.m. – 5:00 p.m.	Closing Remarks .....Room 108



## CONFERENCE AGENDA

### DAY TWO: Friday, April 15

8:30 a.m. – 9:00 a.m.	Check-In & Breakfast .....Room 103
9:00 a.m. – 9:30 a.m.	<b>Opening &amp; Welcome</b> .....Room 103 Farrukh Alvi, Interim Dean, FAMU-FSU College of Engineering Jay Terry, Assistant Vice President for Academic Affairs Centers and Institutes, FSU
9:30 a.m. – 9:45 a.m.	BREAK: Booths & Poster Presentations (Atrium)
9:45 a.m. – 10:30 a.m.	<b>Concurrent sessions</b> <b>TRACK 1: Aging &amp; Mobility</b> <b>Safe Mobility</b> .....Room 103 (Moderator: Neil Charness) FL Dept. of Transportation – Gail Holley & DeWayne Carver Florida State University – J.R. Harding  <b>TRACK 2: Teens &amp; Transportation</b> <b>Careers in Transportation</b> .....Room 114 Federal Highway Administration – Joseph Sullivan FL Dept. of Transportation – Jennifer Marshall
10:30 a.m. – 10:50 a.m.	BREAK: Booths & Poster Presentations.....Atrium
10:50 a.m. – 11:30 a.m.	<b>Concurrent sessions</b> <b>TRACK 1: Multimodal Transportation</b> .....Room 115 Kristin Gladwin, FSU COSSPP Yanshuo Sun, FAMU-FSU COE  <b>TRACK 2: Hands-on STEM Transportation Activities</b> .....Room 114 ITE Student Chapter – Doreen Kobelo, FAMU
11:30 a.m. – 12:30 p.m.	<b>TRACK 1: Lunch &amp; Keynote</b> .....Room 103 Renée St. Louis, University of Michigan  <b>TRACK 2: Lunch &amp; Poster Presentations</b> .....Room 114 & Atrium
12:30 p.m. – 1:00 p.m.	BREAK
1:00 p.m. – 2:00 p.m.	<b>TRACK 1: Safe Communities</b> .....Room 115 Mary Jeghers, Univ. of Florida Priyanka Alluri, Florida Int. Univ.  <b>TRACK 2: Teen Safety and Distracted Driving</b> .....Room 114 FDOT Safety Office
1:00 p.m. – 3:00 p.m.	<b>Booth Visits &amp; Poster Presentations</b> .....Atrium



## CONFERENCE AGENDA

### DAY THREE: Saturday, April 16

8:00 a.m. – 8:30 a.m.	Check-In & Breakfast
8:30 a.m. – 9:00 a.m.	Introduction
9:00 a.m. – 10:15 a.m.	Working Session 1
10:15 a.m. – 10:30 a.m.	BREAK
10:30 a.m. – 11:45 a.m.	Working Session 2
10:45 a.m. – 12:00 p.m.	BREAK
12:00 p.m. – 12:30 p.m.	Closing Remarks

## CONFERENCE SPONSORS



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## DAY 1 SPEAKERS



**JEFF WHALEN** – Jeff Whalen is a native Floridan with history in Fort Lauderdale and is currently residing in Tallahassee. He is the Director of Magnetics Corporation and the STEM Entrepreneur in Residence at the Jim Moran College of Entrepreneurship at Florida State University. He has a passion for the innovation and commercialization of science and over the past 10 years has launched several companies with new technologies ranging from proprietary crystal manufacturing techniques to new artificial intelligence algorithm platforms to customized magnet technology development. He is the lead faculty developing STEM entrepreneurship graduate and undergraduate programs at The Jim Moran College of Entrepreneurship. He has successfully executed research and development projects at the National High Magnetic Field Lab under federal funding from the National Science Foundation, U.S. Dept. of Energy and U.S. Dept. of Defense. // Presentation Title: Entrepreneurship Cave Facilitator

## OLDER ADULTS AND TECHNOLOGY TRACK SPEAKERS



**ANDREW SIXSMITH, PH.D.** – Dr. Andrew Sixsmith is the Associate Scientific Director of AGE-WELL NCE, the Director of the Science and Technology for Aging Research Institute (STAR) at Simon Fraser University (SFU), and a professor in the SFU Gerontology department. His research interests include aging, social isolation, technologies to connect people, technology for independent living, technology policy and the digital divide, theories and methods in aging and understanding the innovation process. His work has involved him in a leadership role in numerous major international research projects and initiatives with academic, government and industry partners. He received his doctorate from the University of London and was previously a lecturer at the University of Liverpool. // Presentation Title: Turning AgeTech Research into Real-World Products and Services –The Age-Well Experience



**SARA J. CZAJA, PH.D.** – Dr. Sara J. Czaja is a Professor of Gerontology and the Director of the Center on Aging and Behavioral Research at Weill Cornell College of Medicine. She is also the Director of the Center on Research and Education for Aging and Technology Enhancement (CREATE) and the Co-Director of the Enhancing Neurocognitive Health, Abilities, Networks, and Community Engagement Center (ENHANCE). Dr. Czaja's research interests include aging and cognition, family caregiving, aging and technology, training, and functional assessment. She has written numerous books, book chapters, and over 170 scientific articles. She is a fellow of the American Psychological Association, the Human Factors and Ergonomics Society and the Gerontological Society of America. // Presentation Title: The Promise of Technology for Aging Adults



**GOLDIE NEJAT, PH.D., P. ENG.** – Dr. Goldie Nejat is a Professor in the Department of Mechanical and Industrial Engineering at the University of Toronto. Dr. Nejat is also the Founder and Director of the Autonomous Systems and Biomechatronics Laboratory, and the Canada Research Chair in Robots for Society. Dr. Nejat is an Adjunct Scientist at the Toronto Rehabilitation Institute and the Rotman Research Institute at Baycrest, and a Fellow of the Canadian Institute for Advanced Research (CIFAR). Nejat's research focuses on developing intelligent service robots and robot cooperative teams for applications in health, eldercare, emergency response, search and rescue, security and surveillance, retail, and manufacturing. She and her team collaborate with healthcare experts and several healthcare facilities in order to develop these unique social robots so that they can be effectively integrated into people's everyday lives. // Presentation Title: Your Personal Robot is Here to Help: Intelligent Socially Assistive Robots to Assist Older Adults with Healthy Aging

## RESILIENT RURAL INFRASTRUCTURE TRACK SPEAKERS



**MARCIA MARDIS, PH.D.** – Dr. Marcia A. Mardis, Professor at the School of Information, is the Associate Dean for Research, Coordinator for Educational Informatics, and Director of the Information Institute. She is also research faculty at iDigInfo. Her research intersects learning resources, high-speed networking, community disaster resiliency, and workforce development with particular emphases in educational and community informatics, curation, STEM learning, and educational data mining. She has been PI, Co-PI, and/or senior personnel on many studies and has led federally-funded research projects continuously since 1999. In the wake of Hurricane Michael's substantial damage to FSU's region, she leveraged deep local relationships and moved strongly into the translational research area of community disaster resiliency. Collaborating with Panhandle public libraries and county governments, Marcia has projects in the NSF Civic Innovation Challenge (CIVIC) program and conducted other regional studies funded by IMLS, leading an interdisciplinary team from engineering, social work, medicine, and geography, in collaboration with numerous county and state partners. // Presentation title: Broadband Throughline: Knowledge and Opportunities for the Rural Panhandle



**TAREK ABICHOU, PH.D.** – Dr. Tarek Abichou is a Professor in the Department of Civil and Environmental Engineering at the FAMU-FSU College of Engineering and the executive director at Resilient Infrastructure and Disaster Response (RIDER) Center. His research, academic, and professional background have focused on the environmental geotechnics field, which combines the traditional geotechnical engineering discipline with environmental and natural resources applications. Professor Abichou has been involved in field, laboratory, and modeling studies of sustainable solid waste management systems. He has been involved in research on the resilience of coastal communities and barrier islands to rising sea levels and how to incorporate the use of livable shorelines to enhance coastal resiliency. His research findings have been validated at full-scale operating facilities in collaboration with industry and government agencies. He is known for his research investigating the mitigation of greenhouse gas emissions from landfills using bio-oxidation of methane. // Presentation title: Managing Rural Landfills



**TIAN TANG, PH.D.** – Dr. Tian Tang is an assistant professor in the Askew School of Public Administration and Policy. Her research is at the intersection of environmental and energy policy, technology policy, and policy implementation through cross-sectoral collaboration in the context of global climate change and sustainability. She teaches policy analysis, research methods, and public financial management. She was a Giorgio Ruffolo Doctoral Research Fellow in the Sustainability Science Program at Harvard Kennedy School, where she worked on research projects regarding renewable energy technology innovation and diffusion in China and US. Before coming to the US, she also had consulting experience in emergency management and low-carbon development for different levels of Chinese government. // Presentation title: Resilience in Dual Disasters: Florida's Hurricane Preparedness and Response Amid the COVID-19 Pandemic and Net Zero Infrastructure Panel Moderator



**TISHA HOLMES, PH.D.\*** – Dr. Tisha Holmes is an Assistant Professor of Department of Urban and Regional Planning at Florida State University. She is committed to seeking sustainable pathways to reducing risk and building socio-ecological resilience to natural and industrial hazards. Her research intends to promote grassroots level capacities through community outreach and participatory engagement. She works to build new bridges between scholarship and practice to uncover the intricacy of issues facing highly vulnerable localities while engaging and empowering communities to identify and direct their pathways towards shaping more resilient places.





**APRIL JACKSON, PH.D.\*** – Dr. April Jackson is an Associate Professor in the Department of Urban Planning and Policy at the University of Illinois at Chicago and a Research Affiliate with the National Initiative on Mixed-Income Communities at Case Western Reserve University. Her research explores how to enhance planning practice and the built environment by promoting plans with a focus on equitable, inclusive, and just communities. Her work examines place-based, neighborhood-level affordable housing strategies that seek to embed racial equity in spatial plans and policies, highlighting inclusive planning processes that aim to improve communities of color. She also investigates ways to further advance diversity, equity and inclusion in planning education, workplaces and the communities in which planners serve.

**BERTRAM MELIX\*** – Bertram Melix is a PhD student in the Geography Department at FSU. Bert’s research interests are life expectancy, social determinants of health, geographies of pain, and GIS.

\*Tisha Holmes, April Jackson, and Bertram Melix will present together. Presentation title: Planning for Sea Level Rise in Florida’s Coastal Communities and Affordable Housing in Inland Communities in the face of Climate Gentrification



## ADDITIONAL SPEAKERS NOT UNDER TRACK



**MATTHEW (MATT) CARTER, PH.D., CFA.** – Dr. Matthew Carter is Teaching Faculty at Florida State University. Matt was a top-50 senior manager at food and agricultural multinational Bunge where he managed a global financial services business of about 100 employees in a dozen countries across six business lines. These businesses included corporate venture capital and carbon credits trading. In addition to teaching for FSU, Matt is exploring the development of an interdisciplinary graduate program on Climate Solutions for Florida State University. He is on a team that received an award from the FSU Office of Research to investigate infrastructure resilience in the Florida Panhandle utilizing a Net Zero emissions framework. // Net Zero Infrastructure Panelist



**LISA L. BRETZ, MSW** – Lisa Bretz is the Executive Director of the Area Agency on Aging for North Florida, Inc., (doing business as Advantage Aging Solutions). She has been working in the non-profit sector for nearly thirty years, having started her career in the field of aging as a case manager for a Community Care for the Elderly Lead Agency. In addition to her role as Executive Director, Lisa serves on several boards including the Florida Association of Area Agencies on Aging (Vice President), the Southeastern Association of Area Agencies on Aging, and Florida Council on Aging. // Older Adults and Technology Panelist



**KRISTY CARTER** – Kristy Carter is a native of Tallahassee and received her Bachelor of Science degree from Florida State University in Recreation and Leisure Services Administration. Kristy serves as an Assistant Program Supervisor with the Tallahassee Senior Center and enjoys the daily opportunities to serve the participants. In her free time, she enjoys camping, clogging and supporting FSU athletics. // Older Adults and Technology Panelist



**DENNIS SMITH** – Dennis J. Smith is the Department of Urban and Regional Planning’s Planner-in-Residence since July 2017. Prior to joining FDOT, he spent 12 years in the private sector managing disaster recovery and emergency planning projects nationwide. Before that, he was the disaster recovery program administrator for the Florida Department of Emergency Management. Much of Smith’s work has focused on risks to the built environment, including projects for resiliency, transportation

modeling, evacuation planning for high risk areas and vulnerability assessment. He has extensive experience managing state and federal programs and a thorough knowledge of laws relating to land use, transportation and disaster recovery. // Community Stakeholder’s Panel Moderator



**MICHAEL OHLSEN** – Michael Ohlsen is the Clean Energy Plan (CEP) Manager for the City of Tallahassee Electric & Gas Utility. He coordinates a variety of activities that lead the transition to 100% clean, renewable energy for Tallahassee, including energy efficiency and transportation efforts. Prior to joining the City, Michael worked on state energy policy and environmental protection as well as served in the U.S. Air Force. He is a certified energy manager with a BS in Electrical Engineering from Cornell University, an MS in Industrial Engineering from the University of Tennessee and is pursuing a PhD in Public Administration and Policy from Florida State University. // Net Zero Infrastructure Panelist



**ABENA OJETAYO** – Abena Ojetayo is the Director of Housing & Community Resilience for Florida’s capital city, Tallahassee. In that capacity, she oversees the City’s affordable housing, human services, code enforcement, sustainability and resilience programs. She has worked in various sectors and in multiple countries, including working as an energy and infrastructure planner of a town in Greece following a devastating earthquake, and managing an urban design team for the flood prone Anam New City, Nigeria, a project that was recognized by the Clinton Global Initiative as a promising approach to international sustainable development. Before moving to Tallahassee, Abena worked on climate action planning at Cornell University and supported the green building and infrastructure design effort for its NYC Tech Campus in the aftermath of Superstorm Sandy. She moved to Tallahassee in 2014 to serve as Florida A&M University’s first Chief Sustainability Officer and the founding Executive Director of their Sustainability Institute, tasked with building resilience across all academic and operational aspects of the university. Abena has an interdisciplinary background, receiving a Bachelor’s degree in civil engineering and a Master’s in engineering management, both from Cornell University. // Community Stakeholder Panelist



**ADA CLARK** – Ada Clark joined the Emerald Coast Regional Council (ECRC) in 2018 and serves as the Community and Economic Development Manager. She received her B.A. from the University of Miami, and her MPA from the University of Colorado-Colorado Springs. Before joining ECRC, she was the Director of the Department of Housing and Citizen Services at the City of Pueblo, Colorado. She was with the City for 19 years and was responsible for the development and implementation of community development programs and the management of federal, state, and local grants. Prior to that Ms. Clark was Deputy Director for Fannie Mae’s South Florida Partnership Office. Her background and experience is in grant management, program and policy development, contract management and affordable housing development. Past board memberships include the Colorado State Private Activity Bond Allocation Committee, the Small Business Development Agency (SBDA) Advisory Council, and the Colorado Smelter SuperFund Site (Pueblo, Colorado) Community Revitalization Committee, among others. Ms. Clark grew up in Miami and is fluent in Spanish. // Community Stakeholder Panelist



**CAROLINE SMITH** – Caroline Smith serves as Economic Development Manager at the Apalachee Regional Planning Council (ARPC) in Tallahassee, Florida. The core function of the ARPC is to provide technical assistance to the member local governments that comprise the nine-county Apalachee Region of Northwest Florida. Ms. Smith holds a Bachelor of Arts in International Business from San Diego State University and is finalizing coursework towards a Master of Science in Planning at Florida State University, specializing in planning for developing areas. During her four years at the ARPC, Ms. Smith has focused on community-driven economic development in rural spaces as well as economic recovery from Hurricane Michael (2018) and the COVID-19 pandemic. In her capacity as Economic Development Manager, Ms. Smith also coordinates implementation of the Apalachee Region’s Comprehensive Economic Development Strategy. // Community Stakeholder Panelist





**FARRUKH ALVI, PH.D.** – Farrukh Alvi is the Associate Dean for Research and Graduate Studies at the FAMU-FSU College of Engineering. He earned his BS in Nuclear Engineering from UC Berkeley and PhD in Mechanical Engineering from Pennsylvania State University. He holds the Don Fuqua Eminent Scholar Chair and is a Professor of Mechanical Engineering at the Florida A&M University - Florida State University College of Engineering. He is the Founding Director of the Florida Center for Advanced Aero-Propulsion (FCAAP), a multiuniversity, state-wide research, technology and education center he helped establish in 2008. He is one of the founding leaders of the FAA Center of Excellence in Commercial Space Transportation (FAA COE CST), a consortium of nine universities established in 2010 by the FAA to address the broad range of issues in the emerging commercial space transportation sector. His research has recently focused on developing and implementing active flow and noise control technologies to reduce noise from and increase the efficiency of high speed aircraft, automobiles and turbomachinery (compressors, turbines) using advanced actuators, especially micro-fluidic actuators, an area where he holds ten patents, to date. The development and use of advanced diagnostics, especially optical techniques is also an active area of research. Over the last decade he has attracted over \$25 million in external funding for research, development and STEM education. The research has been funded by government agencies, such as the Air Force Office of Scientific Research (AFOSR), NASA, National Science Foundation (NSF), Office of Naval Research (ONR), DARPA, Army Research Office (ARO) and industry, such as Boeing, Northrup Grumman, Danfoss Turbocor, among others. To date, he has mentored over 50 PhD and MS students, postdoctoral researchers and scientists, and published more than 200 technical papers, articles and abstracts. He is an Associate Fellow of AIAA (American Institute of Aeronautics and Astronautics) and a Fellow of the ASME (American Society of Mechanical Engineers)



**JARRETT TERRY, ED.D.** – Jarrett Terry is the Assistant Vice President for Academic Affairs Centers and Institutes, Community and Economic Engagement at Florida State University. Previously, Dr. Terry had served as an Assistant Vice President for Extended Programs in Academic Affairs at Clayton State University. In that role, he was responsible for the oversight of the University's Continuing Education Program, Study Abroad, Academic and Community Engagement Partnerships, Dual Enrollment and a host of other responsibilities within Academic Outreach. His current interests include community and higher education partnerships, management in higher education with an emphasis on faculty and student development through community-based, applied learning, STEM program development, study abroad program development and continuing education.

## TRACK 1: AGE & MOBILITY SPEAKERS



**GAIL HOLLEY** – Gail Holley manages the Safe Mobility for Life program in the State Traffic Engineering and Operations Office at the Florida Department of Transportation. In this role, she leads a statewide coalition created in partnership with the Pepper Institute on Aging and Public Policy at FSU. The coalition, consisting of 29-member organizations, are working together to develop and promote resources that help older Floridians learn how to achieve safe mobility for life. // Panelist



**DEWAYNE CARVER** – DeWayne Carver, AICP, is the Florida Department of Transportation's Criteria Publications Manager. DeWayne manages the FDOT Design Manual, Florida Greenbook, and related documents. He specializes in context based design and speed management criteria as well. DeWayne has also served as the State Complete Streets Program Manager and State Bicycle/Pedestrian Coordinator. Prior to coming to FDOT, DeWayne worked in the private and public sectors in real estate development, planning, transit, and university research. He holds a

Master of Regional Planning Degree from the University of North Carolina, Chapel Hill, and a Bachelor of Arts degree from the University of Tennessee, Knoxville. He lives in Tallahassee, FL with his wife and children. // Panelist



**JR HARDING, ED. D.** – Dr. Harding has contributed for the past 38 years in national, state, and community public policy to advance the independence and self-sufficiency of persons with disabilities. He currently serves on several national, state, and community boards. This service includes but is not limited to; Delta Airlines Disability Advisory Board, Florida Network on Disabilities (FND), Evergreen Life Services (ELS), Tony J Mason Foundation, and serves as the faculty advisor to the FSU University of Choice (UoC) Initiative for students with and without disabilities. Dr. Harding also serves as a grant reviewer for the Congressionally Directed Medical Research Program (CDMRP) and for the Christopher and Dana Reeves Foundation. // Panelist



**KRISTIN GLADWIN, PH.D. CANDIDATE** – Dr. Kristin is a doctoral candidate at Florida State University's Department of Urban and Regional Planning (DURP) where she is focusing her studies on transportation planning and planning for an aging population. Kristin has over six years of experience working with transportation projects in both university and state environments. Her research interests involve older adults' mobility and how to improve transportation for all, with a goal of reducing car dependency. From 2014 to 2018 Kristin worked at the Florida Department of Transportation's Public Transit Office (CO), as well as FDOT's Safe Mobility for Life Coalition. // Presentation Title: Older Adults' Cycling Behaviors and Experiences during the COVID-19 Pandemic



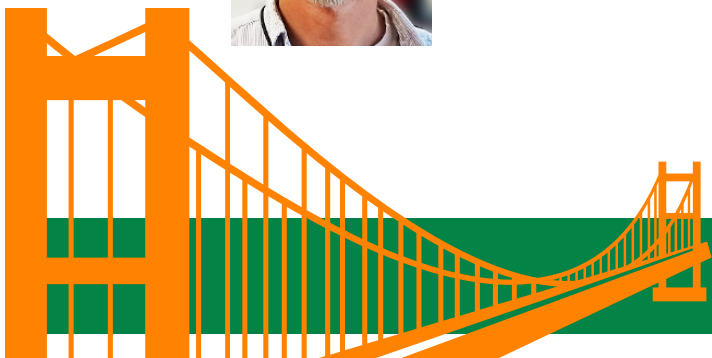
**YANSHUO SUN, PH. D.** – Dr. Yanshuo Sun is an Assistant Professor in the Department of Industrial & Manufacturing Engineering at the FAMU-FSU College of Engineering. He specializes in developing large-scale optimization models and computerized systems for multi-modal transportation systems planning, operations, and management. He currently directs one research project sponsored by the Florida Department of Transportation (FDOT) and two projects sponsored by the National Science Foundation (NSF) as the principal investigator. He has published nearly 30 articles on various transportation topics in peer-reviewed journals. // Presentation Title: Measuring Emerging Mobility Services in Florida using Publicly Available Data



**RENÉE M. ST. LOUIS, PH.D, MPH** – Dr. Renée St. Louis is an Assistant Research Scientist in the Behavioral Sciences Group at the University of Michigan Transportation Research Institute. She has managed a variety of research projects aimed at enhancing safe mobility throughout the lifespan, with numerous projects addressing transportation issues related to the aging driver population. She has also contributed to several studies which have investigated the perceptions and use of advanced vehicle technologies, with an emphasis on the use of these technologies by aging drivers. She is co-author of several publications addressing safe mobility for vulnerable road users, including a book titled Perspectives and Strategies for Promoting Safe Transportation Among Older Adults which won the Richard Kalish Innovative Publication Book Award from the Gerontological Society of America. // Presentation Title: Psychological Resilience and Aging Driver Behavior



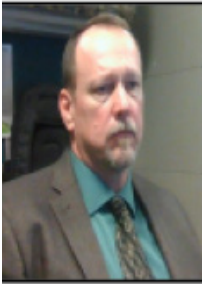
**MARY JEGHERS, OTR/L, DRS** – Mary Jeghers is pursuing her Ph.D. in Rehabilitation Science at the University of Florida. Ms. Jeghers' scholarly work promotes community mobility for vulnerable populations, such as aging adults or individuals with disabilities. In addition to pursuing her doctoral work, Ms. Jeghers completed the University of Florida's Certificate in Driver Rehabilitation Therapy program in 2019. Additionally, Ms. Jeghers has served as both the President and Secretary of the Women Transportation Seminar chapter at UF, an internationally recognized organization helping advance women in the transportation industry. // Presentation Title: A Scoping Review on Smart In-Vehicle Technologies for Older Drivers





**PRIYANKA ALLURI, PHD, PE, RSP2BI** – Priyanka Alluri is an Associate Professor with the Department of Civil and Environmental Engineering at Florida International University. Dr. Alluri’s research focuses on transportation safety and traffic operations, Connected and Automated Vehicle Technologies, Transportation Systems Management and Operations, and pedestrian and bicycle safety. [Dr. Alluri is the faculty advisor of the FIU-ITE Student Chapter and the Vice-Chair of the ITE Transportation Safety Council.] Dr. Alluri has co-authored over 50 refereed journal publications and over a hundred conference proceedings and research reports. Dr. Alluri has recently worked with Dr. Raj Ponnaluri from FDOT in co-authoring an Elsevier book titled Connected and Automated Vehicles: Developing Policies, Designing Programs, and Deploying Projects - From Policy to Practice. // Presentation title: The New Performance Measure to Evaluate Safety on Freeways

**TRACK 2: TEENS & TRANSPORTATION**



**JOSEPH SULLIVAN** – Joseph Sullivan is an Environmental Specialist with extensive experience in NEPA evaluations, state and federal permitting, wetland delineation, soil evaluations and classification with an emphasis on hydric soils, plant identification, listed species surveys, and wildlife permitting and relocation. His primary duties with FHWA from March 2011 to December 2016 was to review NEPA documents, coordinate with project sponsors, and conduct field reviews of federally funded projects. Since 2016, he has assumed responsibilities as audit coordinator for the NEPA assignment program and developed processes to determine, track, and document the state DOT compliance with NEPA assumption responsibilities. He currently is the NEPA Assignment liaison to Florida DOT. He has collateral duties which include HPMS coordinator, CMAQ coordinator, recruiting team lead, USCG permit reviewer, Resiliency coordinator, and he is a Planning Team member for 2 UPWP reviews.



**JENNIFER MARSHALL** – Jennifer Marshall has over 20 years of experience in the transportation industry including planning, NEPA and project development, roadway design, construction and maintenance. She is a registered professional civil engineer and currently serves as the Director of Environmental Management for the Florida Department of Transportation. Jennifer has extensive experience working in both the private and public sectors.



**DOREEN KOBELO, PH.D.** – Dr. Doreen Kobelo is an Associate Professor at the Construction/Civil Engineering Technology Department and the Co-Director of the Division of Engineering Technology which is under the School of Architecture and Engineering Technology at Florida Agricultural & Mechanical University. Her primary research interest is on traffic operation and safety and automation in the transportation system. Dr. Kobelo has also been working with minorities in the STEM fields and she has been hosting a National Summer Transportation Institute (NSTI) for High School students, which is funded by the Federal Highway Administration (FHWA) through the Florida Department of Transportation (FDOT) providing students the opportunity to learn about transportation related careers.

**FDOT SAFETY OFFICE** – FDOT’s Safety Office mission is to continually improve the safety of Florida’s traveling public and FDOT employees. We work with communities to identify and help resolve traffic safety issues; we gather, analyze and report data on traffic crashes, injuries and deaths in Florida; distribute state and federal traffic safety funds; and conduct public education campaigns.

