



6th Annual Transportation Day

Webinar: Technology in Transportation

Friday October 16, 2020 | 10:00 AM to 3:30 PM

Hosted by the Florida State University (FSU)
Center for Accessibility and Safety for an Aging Population (ASAP)

In partnership with Florida A&M University (FAMU) and the University of North Florida (UNF). In conjunction with the FSU Institute for Successful Longevity and the FSU Pepper Institute on Aging and Public Policy

**If you have registered, please use the Zoom link sent to you by email.
If you have not registered yet, please register on the following link by
Monday, October 12, 2020**

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PROGRAM

- 10:00 am – 10:15 am** **Welcome Remarks**
Gary K. Ostrander, V.P. for Research, FSU
Charles A. Weatherford, V.P. for Research, FAMU
J. Murray Gibson, Dean, FAMU-FSU College of Engineering (COE)
- 10:15 am – 11:00 am** **Session 1: Panel Discussion on Safe Mobility**
Gail Holley, Florida Dept. of Transportation (FDOT)
DeWayne Carver, Florida Dept. of Transportation (FDOT)
J.R. Harding, FSU
Moderator: Neil Charness, FSU
- 11:00 am – 11:15 am** **Break: Vendors & Students' Video Presentations**
- 11:15 am – 12:00 pm** **Session 2: Emergency Transportation**
Maxim Dulebenets, FAMU-FSU COE, "Methods for Minimizing the Total Evacuation Time in Areas with Vulnerable Populations due to Approaching Disasters."
Eren Ozguven, FAMU-FSU COE, "Emergency Transportation Accessibility: Older Adults and Critical Facilities."
- 12:00 pm – 1:00 pm** **Lunch Break: Vendors & Students' Video Presentations**
- 1:00 pm – 2:00 pm** **KEYNOTE**
Sherrilene Classen, Prof. and Chair, Dept. of Occupational Therapy, University of Florida.
"Autonomous Vehicle Technology and Older Adults: A Primer for Health Care Professionals and Engineers."
- 2:00 pm – 2:15 pm** **Break: Vendors & Students' Video Presentations**
- 2:15 am – 3:00 pm** **Session 3: Safe Communities**
Yanshuo Sun, FAMU-FSU COE, "Overcoming mobility barriers for transportation-disadvantaged (TD) populations with a service interoperability platform."
Anil Yazici, Stony Brook Univ., NY, "Research Coordination Network for Aging Population: Activities and Achievements."
- 3:00 pm – 3:30 pm** **CarFit Vehicle Check Presentation**

SPEAKER BIOS

KEYNOTE



Sherrilene Classen, Prof. and Chair, Dept. of Occupational Therapy, University of Florida.

Dr. Classen is an internationally funded prevention-oriented rehabilitation scientist who studies fitness-to-drive issues in medically at-risk drivers through the lifespan, including those who are socio-economically disadvantaged— via the use of clinical tests, driving simulators, on-road assessments and interventions, in-vehicle technologies, automated vehicles, and community mobility. Her scholarly work targets understanding driving from the person-vehicle-environment interactions, to enhance driving performance, societal participation, and well-being. She is a Fellow of the American Occupational Therapy Association (2010) and an inductee to the

American Occupational Therapy Foundation's Academy of Research (2012) which is the highest scholarly honor that the Foundation confers upon scholars.

PANEL



Gail M. Holley, Florida Dept. of Transportation (FDOT)

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.



DeWayne Carver, Florida Dept. of Transportation (FDOT)

DeWayne Carver, AICP, is the FDOT's Complete Streets Program Manager. DeWayne manages the Department's transition to context-based design, also known as "Complete Streets," working with various offices throughout the department. He provides technical assistance based on his prior experience with walkable thoroughfare design, form-based coding, and city and regional planning. 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.



J.R. Harding, Florida State University (FSU)

Dr. J R Harding II received his doctorate in education from FSU in 1999. He is an Instructor in the Management Dept. in the College of Business at FSU. His specialty area is Disability Inclusion in the Workforce. He is a disability expert and has authored two books. He has been an advisor at the local, state, and national levels, including the U.S. Access Board, Transportation Disadvantaged Commission, and Florida Building Commission. He has worked tirelessly to ensure the highest degree of reasonable accommodation and integration of diverse, disabled populations.

SPEAKERS



Maxim Dulebenets, FAMU-FSU College of Engineering (COE)

Maxim Dulebenets, Ph.D., P.E., is an Assistant Professor in the Department of Civil & Environmental Engineering at the FAMU-FSU College of Engineering. Dulebenets holds BS and MS degrees in railway construction from the Moscow State University of Railroad Engineering, and MS and PhD degrees in civil engineering from the University of Memphis. His research interests include operations research, optimization, simulation modeling, metaheuristics, and evolutionary computation. Dulebenets has been involved in over \$4 million in research projects sponsored by various federal, state, and private agencies. Dulebenets is actively involved in activities of more than 10 Standing Committees and Subcommittees of the Transportation Research Board.



Eren E. Ozguven, FAMU-FSU College of Engineering (COE)

Eren Erman Ozguven, Ph.D., is an Associate Professor of Civil and Environmental Engineering, and the director of the Center for Resilient Infrastructure and Disaster Response (RIDER) at the FAMU-FSU College of Engineering. His research interests include infrastructure resilience, disaster planning, emergency transportation operations, urban mobility, transportation accessibility and safety, simulation and modeling of transportation networks, transportation demand modeling and intelligent transportation systems. Before joining the FAMU-FSU College of Engineering, he worked at Rutgers University Intelligent Transportation Systems (RITS) Lab as a Post-Doctoral Research Associate where he has also received his Ph.D. with a focus on emergency shelter management. Over the last three years, Dr. Ozguven's research program has evolved towards studying the accessibility and safety of the multi-modal transportation networks in order to assess the transportation needs of the vulnerable populations such as older people.



Yanshuo Sun, FAMU-FSU COE

Yanshuo Sun is an Assistant Professor in the Department of Industrial & Manufacturing Engineering at the FAMU-FSU College of Engineering. Sun specializes in developing large-scale optimization models and computerized systems for multi-modal transportation systems planning, operations, and management. His research has been sponsored by the National Science Foundation (NSF), the U.S. Department of Transportation, and the U.S. Department of Energy, among others. He has more than 40 articles in leading peer-reviewed transportation publications, and has received research awards from the Federal Aviation Administration and American Public Transit Association. Sun holds a Ph.D. in transportation engineering from the University of Maryland.



Anil Yazici, Stony Brook University, NY

Dr. Anil Yazici is an Assistant Professor at Stony Brook University Civil Engineering Department. He holds B.S. and M.S. degrees in Civil Engineering from Bogazici University, Turkey; M.S. and Ph.D. degrees respectively in Operation Research and Civil & Environmental Engineering from Rutgers University, New Jersey. Dr. Yazici's research interests include vulnerability and resilience in transportation networks, emergency evacuation, aging population and mobility, smart cities and big data analytics. His research has been funded by various federal and state institutions such as the National Science Foundation (NSF), New York State and City Departments of Transportation (NYSDOT, NYCDOT), New York State Energy and Research Development Authority (NYSERDA), and the Federal Highway Administration (FHWA)-USDOT.

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