

## Supply Chain Sustainability and Transportation Resilience Workshop



Friday, March 29, 2019  
8:30 am - 2:30 pm

Florida Atlantic University  
SeaTech - Institute for Ocean and Systems Engineering  
101 North Beach Road  
Dania Beach, FL 33004

---

Join Remotely

Meeting ID: 6121 || PC: [join.fau.edu](https://join.fau.edu) || Phone: 561.297.4719

## Overview

Production and transportation of goods are one of the most important elements contributing to the global economy. The constant growth of markets creates complex environments for supply chain management. This complexity leads to the vulnerability of the supply chain to risks which have environmental and social aspects. Considering the effects of these risks, it is important to create a sustainable production line that ensures economic growth and an effective and efficient operation of supply chains. An integral part of the supply chain is the distribution of goods, that utilizes the transportation network. Transportation is critical not only as a part of the supply chain, but also as a part of everyday life. The freight transportation network throughout the United States undergoes several environmental and manmade threats constantly. Hence, it is essential to develop a resilient transportation network to the threats of the environment. A one-day workshop is being held at Florida Atlantic University with a focus on supply chain sustainability and transportation resilience, and will include a wide range of presentations, that span from framework proposals to transportation and operations management-based research.

The workshop participants will include transportation, port, and coastal community stakeholders and is being held at the FAU SeaTech campus in Dania Beach with the following objectives:

- to develop in-depth knowledge and understanding among participants of the issues in transportation resiliency;
- to acquire input on developing transportation resiliency tools;
- to provide a forum for discussion and feedback on the supply chain sustainability and transportation resilience, and;
- to connect with stakeholders and envision future goals for supply chain sustainability and transportation resilience.



## Workshop Agenda

- 8:30 am - 9:00 am**      **Registration**
- 9:00 am - 9:15 am**      **Welcome and Introductions: Dean Stella Batalama, FAU**
- 9:15 am - 10:45 am**      **Panel Session: Supply Chain Sustainability**  
Moderator: Dr. Manhar Dhanak  
Panelists:
- Ms. Autumn Young, Florida Department of Transportation
  - Dr. David Menachof, FAU, College of Business  
    Supply Chain Security to Maintain Sustainability and Resilience
  - Dr. Frances Bohnsack, Maritime Administration / U.S.D.O.T.  
    Finding Sustainability and Resiliency in America's Marine Highways
  - Mr. Luis Aguilar, Broward County Port Everglades
  - Lt. Maxwell Walker, U.S. Coast Guard / FAU Graduate Student
  - Ms. Valerie Neilson, Palm Beach Transportation Planning Agency
- 10:45 am - 11:00 am**      **Break/Networking**
- 11:00 am - 12:30 pm**      **Invited Presentations: Infrastructure Resilience**  
Moderator: Dr. Evangelos I. Kaisar  
Presenters:
- Dr. Alka Sapat and Dr. Diana Mitsova, FAU  
    The Impact of Infrastructure Disruptions on Community Recovery
  - Dr. Evangelos I. Kaisar, FAU, and Dr. Scott Parr, Embry Riddle Aeronautical University  
    Resiliency Index - A New Measure of System Resiliency
  - Ms. Katherine Chambers (Touzinsky), U.S. Army Corps of Engineers R&D Center
  - Mr. Michael T. Williamson, Cambridge Systematics  
    NCFRP 50: Improving Freight Transportation Resilience in Response to Supply Chain Disruptions
  - Mr. Rob Palmer, Chair of Florida Chamber of Commerce, RS&H
- 12:30 pm - 1:30 pm**      **Working Lunch**  
Keynote Speaker:  
Mr. Marc C. LaFerrier, Director Community Development, City of Dania Beach
- 1:30 pm - 2:30 pm**      **Working Group Briefs and Discussion**  
    **Freight Sustainability** - Moderator: Dr. Evangelos I. Kaisar  
    **Transportation Resilience** - Moderator: Dr. Alka Sapat
- 2:30 pm**      **Adjourn/Tour of SeaTech (Optional)**

## Panelists, Presenters, & Moderators

**Mr. Luis Aguilar** is an Urban and Regional Planner with broad experience in all levels of construction, architectural principles, management, and finance. He currently is a Senior Seaport Planner at the Broward County Port Everglades.

**Dr. Stella Batalama** serves as the Dean of the College of Engineering and Computer Science since August 2017. Her research interests include cognitive and cooperative communications and networks, multimedia security and data hiding, underwater signal processing, communications and networks. Dr. Batalama received her Ph.D. in electrical engineering from the University of Virginia and her undergraduate and graduate degrees in computer science and engineering from the University of Patras in Greece. She also completed the Program for Leadership Development at Harvard Business School.

**Dr. Frances Bohnsack** is the South Atlantic Gateway Director for the U.S. Department of Transportation's Maritime Administration (MARAD) with responsibilities to assist ports in Florida, Georgia, South Carolina, Puerto Rico and the U.S. Virgin Islands. She is responsible for the strategic planning, execution, and management of projects that advance the Department of Transportation's objectives to enhance safety, promote the marine transportation system and economic growth, reduce congestion, protect the environment, and support emergency preparedness.

**Ms. Katherine Chambers** (Touzinsky) is a Research Physical Scientist at the U.S. Army Engineer Research and Development Center (ERDC). She is a graduate of Purdue University. Her interests include applying interdisciplinary science to assess and optimize the integration of environmental, navigation and flood risk management needs into Corps projects. Her other duties include coordinating Coastal System Resilience R&D Initiative and Maritime Transportation System and port resilience performance metrics and best practices.

**Dr. Manhar Dhanak** is Chair of the Department of Ocean and Mechanical Engineering at FAU. He is a graduate of University of London. Dr. Dhanak is working with Drs. Kaiser, Parr and Sapat on developing a tool for assessing and planning for resilience of maritime ports to regional impact of a hurricane.

**Dr. Evangelos I. Kaiser** is Professor of Civil Engineering and Director of the Freight Mobility Research Institute (FMRI). He is a graduate of University of Maryland.

**Dr. David Menachof** is Associate Professor of Supply Chain and Operations Management at Florida Atlantic University. Previously, he was the Peter Thompson Chair in Port Logistics, based at the Logistics Institute at Hull University Business School. Prof. Menachof received his doctorate from the University of Tennessee. His research interests include supply chain security, sustainable supply chains, liner shipping, and financial techniques related to logistics and supply chain management.

**Mr. Marc LaFerrier** is the Director of Community Development at the City of Dania Beach. The Community Development Department consists of four divisions (building, planning and zoning, code compliance, and parking) responsible for the coordinating and regulating the planning, development, appearance, and safety of "privately owned property and building."

**Dr. Diana Mitsova** is Associate Professor in the School of Urban and Regional Planning at FAU. She holds a Ph.D. in Regional Development Planning from the University of Cincinnati and a master's from the School of Public and Environmental Affairs at Indiana University Purdue University, Indianapolis. She joined the School of Urban and Regional Planning in August 2008. Dr. Mitsova's research focuses on the use of geographic information systems, spatial and statistical analysis to conduct interdisciplinary research aimed at understanding the interactions between ecosystems and urban environments and informing sustainable urban planning and environmental practices.

**Ms. Valerie Neilson** is the Deputy Director of Multimodal Development at the Palm Beach Transportation Planning Agency (TPA). She is passionate about health and the built environment and leads the agency's Complete Streets and transit efforts. She is a Leadership Palm Beach County Alumni and serves on the City of Greenacres Planning Commission. Prior to the Palm Beach TPA, Valerie was the University Miami BikeSafe Program Manager, where she headed bicycle safety efforts in the Miami-Dade Public School System and also served as the Vice Chair of the Miami-Dade Health & Built Environment Committee. Previously, Valerie worked on sustainability initiatives and environmental planning studies for an environmental consulting firm. Valerie has over 10 years of planning experience and holds a Masters in Urban & Regional Planning from Florida State University.

**Mr. Rob Palmer** AICP, CTL is the Jacksonville Planning/Mobility Leader for RS&H and a certified urban planner and transportation/logistics professional. Rob is a recognized leader in multi-party, and interdisciplinary initiatives for transportation and infrastructure projects and programs and has represented his clients nationally and internationally. Rob serves as Chair for the Florida Trade & Logistics Institute, and as Chair for Business Community Working Group for Autonomous Florida, both with the Florida Chamber.

**Dr. Scott Parr** is Assistant Professor in Civil Engineering at the Embry Riddle Aeronautical University, Daytona. His research interests are in Transportation Engineering. He is a graduate of Louisiana State University.

**Dr. Alka Sapat** is Professor in the School of Public Administration at Florida Atlantic University with research interests in disaster and crisis management. She is a graduate of SUNY at Stony Brook, NY.

**LT Maxwell Walker** graduated from the United States Coast Guard Academy in May of 2013 with a B.S. in Naval Architecture and Marine Engineering. Upon graduation he reported aboard the Coast Cutter NAUSHON in Ketchikan, AK. The cutter was responsible for conducting search and rescue operations along with fisheries law enforcement in Alaskan waters. His primary responsibility as the operations officer was safe navigation of the vessel and planning law enforcement patrols. He departed the NAUSHON in June of 2015 and reported to Coast Guard Sector New York, the Coast Guard's largest operational command. There he served as a Marine Inspector and ensured regulatory compliance for both foreign and domestic vessels. He is currently assigned to the Coast Guard's Post Graduate Program, pursuing a M.S. with a Major in Ocean Engineering at Florida Atlantic University. At FAU, he is assisting in research for a Port Resiliency Project in conjunction with Embry-Riddle Aeronautical University and the United States Coast Guard.

**Mr. Michael T. Williamson** is a Principal of Cambridge Systematics with more than 26 years of experience in freight and intermodal planning, commercial vehicle operations, Intelligent Transportation Systems (ITS) and transportation planning. Mr. Williamson has helped Metropolitan Planning Organizations (MPOs) and State Departments of Transportation (DOTs) develop and implement freight programs, and has led national research designed to document best practices and provide guidelines for establishing successful freight programs.

**Ms. Autumn Young** is a District Freight Coordinator at the Florida Department of Transportation.



## Workshop Attendees

First Name	Last Name	Company
Teri	Abelairas	Therlium
Luis	Aguilar	Broward County Port Everglades
Taraneh	Ardalan	Freight Mobility Research Institute
Beth	Austin-DeFares	Stevens Institute of Technology
Stella	Batalama	Florida Atlantic University
Fran	Bohnsack	U.S. Department of Transportation
Michael	Caballero	University of Miami
Juan	Camacho	Florida Atlantic University
Ines	Castro	Palm Beach North Chamber of Commerce
Carlos	Castro	Florida Department of Transportation
Mohammad	Chaiatri	Florida Atlantic University
Katherine	Chambers	U.S. Army Corps of Engineers
Wendy	Delice	Florida Atlantic University
Manhar	Dhanak	Florida Atlantic University
Michael	Espriella	ADT
Christine	Fasiska	Florida Department of Transportation
Kristina	Francke	Florida Atlantic University
Jean	Garcon	Florida Atlantic University
Elsamaria	Gaunner	Florida Atlantic University
Panagiota	Goulianou	Freight Mobility Research Institute
Ozer	Gunay	Florida Atlantic University
Jude	Jean	Florida Atlantic University
Alvin	Jean	Florida Atlantic University
Jamal	Johnekins	
Lauren	Johnson	Florida Atlantic University
Evangelos	Kaisar	Freight Mobility Research Institute
Roger	Kelly	
Beth	Kigel	Palm Beach North Chamber of Commerce
Marc	LaFerrier	City of Dania Beach
Dan	Liu	Freight Mobility Research Institute
Paula	Martinez	Broward College
David	Menachof	Florida Atlantic University
Diana	Mitsova	Florida Atlantic University
Valerie	Neilson	Palm Beach Transportation Agency
Juan	Ortega	JFO Group, Inc.
Rob	Palmer	RS & H
Steve D	Parker	
Scott	Parr	Embry-Riddle Aeronautical University
Isaiah	Reul	Florida Atlantic University
Juan	Rivillas	Florida Atlantic University
Samantha	Robinson	Florida Atlantic University
Andres	Sanchez	Florida Atlantic University
Alka	Sapat	Florida Atlantic University
Yusuf	Secerdin	University of Miami
Paul	Stewart	Lehigh Cement
Heather	Thompson	Freight Mobility Research Institute
Meghan	Viles	Florida Atlantic University
Maxwell	Walker	U.S. Coast Guard
Michael	Williamson	Cambridge Systematics
Autumn	Young	Florida Department of Transportation