



26th IEEE International Conference on Intelligent Transportation Systems

ITSC 2023

Bilbao, Spain
September 24 - 28, 2023

Workshop

- Title:

Smart Freight Transportation: Last - Mile Logistics Challenges in the “New Normal”

- Contents:

This workshop will address the “last-mile” during the “New Normal” by discussing critical issues affecting freight transportation, planners, and policy makers. Also, it will identify innovative strategies and technologies which are being employed/developed to facilitate ‘smart freight transportation’ / ‘last mile’ delivery challenges from around the world. Additionally, it will analyse the adaptation of various newly emerged initiatives after the pandemic era. Examples of initiatives are sustainable logistics, methods for last-mile deliveries, logistics terminal’s location, and operations and smart freight initiatives.

Format: Half Day

- Organizers:

Evangelos Kaisar

Professor, Department Chair and Executive Director of FMRI & MITSL
Department of Civil, Environmental and Geomatics Engineering
Florida Atlantic University
ekaisar@fau.edu

Professor Kaisar is the director of the Freight Mobility Research Institute (FMRI), which received a five-year, \$7 million award from the United States Department of Transportation to improve Florida’s and the nation’s mobility of people and goods. FMRI is a Tier 1 University Transportation Center housed in the Department of Civil Environmental and Geomatics Engineering within Florida Atlantic University’s College of Engineering and Computer Science. The FMRI is an FAU- led partnership with the University of Florida, University of Memphis, University of Minnesota (Minneapolis), Portland State University, Texas A&M University (College Station), and Hampton University. The primary goal of the Institute is to help strengthen the nation's economic competitiveness. Kaisar is an associate professor in the Department of Civil, Environmental and Geomatics Engineering, and the Director of the Multimodal Intelligent Transportation Systems Laboratory. His main expertise and interests are in the areas of freight transportation and logistics, simulation, emergency response, infrastructure resilience, supply chain security, and ITS. He is a leading freight mobility and transportation

management expert at both the national and international levels. In 2017 he was selected as FAU's Researcher of the Year, and in 2013 as FAU's Outstanding Undergraduate Teacher. In the last 10 years, Kaiser has managed research projects sponsored by the Federal Transit Administration, Federal Emergency Management Agency, Florida Department of Transportation, U.S. Department of Transportation and the Department of Homeland Security. He has published more than 150 papers, and he has supervised to graduation more than 32 Ph.D. and M.S. students. Kaiser is member of the Editorial Boards of national and international journals such as the IEEE Transactions on Intelligent Transportation Systems (ITS), the premier journal in ITS.

Petros A Ioannou

A.V. "Bal" Balakrishnan Chair, Professor of Electrical and Computer Engineering, Aerospace and Mechanical Engineering, and Industrial and Systems Engineering
University of Southern California
ioannou@usc.edu

Petros A. Ioannou received the B.Sc. degree with First Class Honors from University College, London, England, in 1978 and the M.S. and Ph.D. degrees from the University of Illinois, Urbana, Illinois, in 1980 and 1982, respectively. During the period 1975-1978, he held a Commonwealth Scholarship from the Association of Commonwealth Universities, London, England. He was awarded several prizes, including the Goldsmid Prize and the A. P. Head Prize from University College, London. From 1979 to 1982 he was a research assistant at the Coordinated Science Laboratory at the University of Illinois. In 1982, Dr. Ioannou joined the Department of Electrical Engineering-Systems, University of Southern California, Los Angeles, California. He is currently a professor in the same Department and the Director of the Center of Advanced Transportation Technologies. His research interests are in the areas of control and applications, adaptive and nonlinear systems, vehicle dynamics and control, intelligent transportation systems, marine transportation, congestion control of computer networks and neural networks. He was visiting Professor at the University of Newcastle, Australia in the Fall of 1988, the Technical University of Crete in summer of 1992 and served as the Dean of the School of Pure and Applied Science at the University of Cyprus in 1995. In 1984 he was a recipient of the Outstanding Transactions Paper Award for his paper, An Asymptotic Error Analysis of Identifiers and Adaptive Observers in the Presence of Parasitics, which appeared in the IEEE Transactions on Automatic Control in August 1982. Dr. Ioannou is also the recipient of a 1985 Presidential Young Investigator Award for his research in Adaptive Control. He has been an Associate Editor for the IEEE Transactions on Automatic Control, the International Journal of Control and Automatica. He is currently an Associate Editor of the IEEE Transactions on Intelligent Transportation Systems, Associate Editor at Large of the IEEE Transactions on Automatic Control, Member of the Control System society on IEEE ITS Council Committee and Vice-Chairman of the IFAC Technical Committee on Transportation Systems. Dr. Ioannou is a Fellow of IEEE and the author/co-author of 5 books and over 150 research papers in the area of controls, neural networks, nonlinear dynamical systems and intelligent transportation systems.

Dimitrios Dimitriou

Professor in Management & Business Planning for Infrastructure and Projects Development
Head of the Department of Economics, School of Social, Political & Economic Sciences Democritus
University of Thrace (DUTH)
dimitdimitrio@gmail.com

Dr. Dimitriou's educational background includes Doctorate in econometric modelling for quantitative demand forecasting in transportation, MSc in Airports Planning and Management, MSc in Infrastructures Environmental Management, and Diploma (equivalent to 4 years BA and 1-year MSc) in Civil Engineering (Transportation planning). His 25 years' professional experience shared 3 pillars of activities: education, research and management in the transportation sector. His specialization deals with the subjects of large investment appraisal, large projects financing, project management, transport and supply chain economics, evaluation of management performance, decision making, project development, strategic management, sustainable development and transportation planning. His research output includes more than 300 papers and presentations in globally distinguished international events; peer reviewed journals; scientific books and workshops; and participation in 21 large research projects. In 2018 he was awarded the Professional Achievement Award in Greece by the British Council for the Study UK Alumni awards.

- Contact details of the proposers (email, postal address, etc):

Evangelos Kaisar
777 Glades Road, EW 204
Boca Raton, FL 33431-0991
p: 561.297.4084
ekaisar@fau.edu