

CALL FOR CONTRIBUTIONS

There is an urgent need among researchers and practitioners to discuss the future of mobility. This is a discussion that has been happening generally in different venues and many times the different stakeholders are not able to have a joint discussion. We define the challenges (and opportunities) for a sustainable future mobility in three main keywords:

Electrification | Sharification | Connected Automation

In our view there is a lack of discussion among three main stakeholders or groups: Academia, Industry and Authorities. This Forum on Integrated and Sustainable Transportation System is intended to promote that urgent discussion being the basis for possible future collaboration between the three elements of the triple helix.

TOPICS

The specific topics of the conference connect closely to sustainability, safety and mobility of transport systems and ITS. However, contributions for any topic in the field of Integrated and Sustainable Transportation System will be considered. Special sessions relevant to the topics will be organized in the framework of FORUM-ISTS2020.

- Transportation Electrification
- Mobility as a Service (MaaS)
- Connected and Automated Vehicles (CAV)
- Big Data and Machine Learning in Transportation
- 5G and Edge Computing in Transportation
- Traffic Emissions and Noise Modeling, Monitoring and Control
- Shared Mobility
- Advanced Public Transportation Management
- Cooperative Vehicle Infrastructure Systems
- Air, Road, and Rail Traffic Management
- Ports, Waterways, Inland navigation, and Vessel Traffic Management
- Autonomous Vehicles
- Cooperative Traffic Management
- ITS User Services
- Traffic Theory for ITS
- Modeling, Control and Simulation
- Human Factors, Travel Behavior
- ITS Field Tests and Implementation
- Driver and Traveler Support Systems
- Electronic Payment Systems
- Commercial Vehicle Operations
- Transportation Networks
- Modeling, Simulation, and Detection of Vulnerable Road Users
- Emergency Management
- Security, Privacy and Safety Systems
- Deep Learning in Transportation
- Intelligent Logistics
- Connected and Probe Vehicles
- Big Data and Naturalistic Datasets
- Vision, and Environment Perception
- Electric Vehicle Transportation Systems
- Smart Mobility

Local Organising Committee

- General Chair: Dr. Gonçalo Homem de Almeida Correia
- General Co-Chair: Prof. Dr. Bart van Arem
- Program Chair: Dr. Meng Wang
- Financial Chair: Dr. Simon Goede
- Local Organising Chair: Nicole Fontein
- Workshop Chair: Dr. Simeon Calvert

Outreach committee

- China - Professor Yibing Wang, PhD
Zhejiang University, Hangzhou
- Australia - Dr. Ljubo Vlacic FIEAust FIET Professor Emeritus,
Griffith University, Brisbane
- Brazil - Prof. Cristiano M. Silva, PhD,
Chair of the Department of Technology, Universidade Federal de São João del-Rei, Minas Gerais
- Europe - Dr. Meng Lu, Program Manager International,
Dynniq, The Netherlands
- United States - Jane E. Lappin, Director, Government Affairs and Public Policy at Toyota Research Institute

Program Co-Chair

- Prof. Dr. Javier J. Sanchez Medina
Universidad de Las Palmas de Gran Canaria, Spain
- Prof. Robert L. Bertini
University of South Florida, USA
- Prof. Brian Park, PhD
University of Virginia, USA

Deadlines & Important dates

Scientific papers:

- Paper submission deadline - December 2019
- Acceptance notifications - March 2020
- Final submission deadline - May 2020

Practitioners

- Extended abstract - February 2020
- Acceptance notifications - March 2020

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