



The 18th International IEEE Conference on Intelligent Transportation Systems

Las Palmas de Gran Canaria, Spain, 15 – 18 September 2015

The IEEE Intelligent Transportation Systems Conference is the annual flagship conference of the IEEE Intelligent Transportation Systems Society. IEEE ITSC 2015 welcomes articles in the field of Intelligent Transportation Systems, dealing with new developments in theory, analytical and numerical simulation and modeling, experimentation, demonstration, advanced deployment and case studies, results of laboratory or field operational tests, under the general theme of *Smart Transportation for Safety and Sustainability*. IEEE ITSC 2015 is organized by the University of Las Palmas de Gran Canaria located in the Canary Islands (Spain), last known stop to Christopher Columbus' first voyage to the Americas.

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Important Dates

Here we have the Important Dates: <http://www.itsc2015.org/important-dates>

- Regular and Special Session submissions **DEADLINE: May, 1. (Final extension)**
- Workshop and Industry Track submissions **DEADLINE: May, 15.**

Please visit the conference website at <http://www.itsc2015.org/> for news and updated deadlines. You can also follow us at Twitter ([@ITSC2015](https://twitter.com/ITSC2015)) and Facebook ([ITSC2015](https://www.facebook.com/ITSC2015)).

Paper Submission

Submit your paper here: <http://itsc2015.exordo.com>

Complete manuscripts in PDF format must be electronically submitted for peer-review, following the standard IEEE conference proceedings format. Detailed submission instructions can be found here: <http://www.itsc2015.org/submit-your-paper>.

Best Paper Award and Best Student Paper Award

A "Best Paper Award" and a "Best Student Paper Award" will be conferred to the author(s) of a full paper presented at the conference, selected by the Awards Committee.

Best Reviewers and Best Associate Editor

We will give a "Best ITSC2015 Reviewer Award" and a "Best ITSC2015 Associate Editor Award" to those volunteers that show the best performance during the reviewing process. The scientific quality of ITSC2015 depends almost entirely in our volunteers' efforts and we want to pay tribute to them like this.

Keynote Speakers (tentative)(<http://www.itsc2015.org/keynote-speakers>)

- **Philip T. Krein**, Professor and Grainger Endowed Director's Chair in Electric Machinery and Electromechanics, Department of Electrical and Computer Engineering, IL, USA
- **Tsuguo Nobe**, Chief Advanced Service Architect and Director at Intel Corporation, Japan
- **Markos Papageorgiou**, Director of Dynamic Systems & Simulation Laboratory, Technical University of Crete, Greece
- **Hermann Winner**, Technische Universität Darmstadt, Germany

Journal and Magazine Publication of Selected Papers

Selected papers of exceptional quality will be invited for submission to a special issue of the IEEE Transactions on ITS or the IEEE ITS Magazine. Authors will be asked to revise their papers according to the standards of the Transactions or the Magazine.



Special Sessions, Tutorials, Workshops and Demonstrations

Special Sessions (<http://itsc2015.org/special-sessions>)

- SS1. Human Factors in Urban Traffic – Characteristics, Challenges and Solutions of Prospective Assistance Systems
- SS2. Wireless Vehicular Communications
- SS3. Automated Driving
- SS4. Intelligent Pedestrian traffic and Evacuation dynamics
- SS5. Urban Transport Systems: Modelling and Control
- SS6. ITS for Public Transport
- SS7. Computer Vision and Imaging Systems in Transportation
- SS8. Parallel Transportation Management Systems
- SS9. Cooperation in complex networks of vehicles
- SS10. Advances in motorway traffic control
- SS11. Artificial Transportation Systems and Simulation, ATSS 2015
- SS12. Advanced Technology for Pedestrian and Bicyclist Safety
- SS13. Environment perception for automated on-road vehicles

Workshops and Tutorials (<http://itsc2015.org/tutorials-workshops>)

Workshops:

- WS1. The First International Workshop on Intelligent Public Transports – Toward the Next Generation of Urban Mobility
- WS2. Advancements in Multimodal Traffic Modeling, Monitoring and Control
- WS3. Advanced Traffic Signal Systems on the Crossroads between Past and Future
- WS4. Advancing the Microscopic Traffic Simulations Towards Realistic Modelling of Driver Behaviour and Reliable Evaluation of Safety
- WS5. New Tendencies of Artificial Intelligence in Dynamic Modeling and Optimization of Traffic Network
- WS6. Data-Enabled Advancements in Transportation Theory and Application
- WS7. Mapping the Landscape of Social Media/Big Data for Transportation Systems Analysis
- WS8. Education in ITS
- WS9. Crowdsourcing and Social Transportation
- WS10. Connected Vehicles and Cooperative Systems
- WS11. Vehicular Networks Applications: From Physical Layer to Clouds
- WS12. COSSMO - Cooperative Sensing for Smart Mobility
- WS13. Use of Parallel Computing in Network Traffic Simulation

Tutorials:

- Tut1. Tutorial on SUMO - Simulation Urban Mobility (by Prof. Peter Wagner (DLR))

Demos:

- We plan to have the Verdino Project (<http://verdino.webs.ull.es>) demonstrated in ITSC2015.
- More to come...

Proposals for organizing Demonstrations can be send to itsc2015@gmail.com

Registration Fees

Please check-out our registration fees site (<http://www.itsc2015.org/registration>)! We have a few innovations there that may be of your interest, especially to recognize volunteers' efforts and to help colleagues in developing countries to attend IEEE ITSC2015.

Topics - The technical areas include but are not limited to the following:

- Transportation Networks
- Advanced Public Transportation Management
- Ports, Waterways, Inland navigation, and Vessel Traffic Management
- Modeling, Simulation, and Detection of Vulnerable Road Users and Animals
- Air, Road, and Rail Traffic Management
- ITS User Services
- Emergency Management
- Artificial Transportation Systems
- Transportation Electrification
- Emissions, Noise, Environment
- Management of Exceptional Events: Incidents and Evacuation
- Security, Privacy and Safety Systems
- Transportation Smartification
- Commercial Vehicle Operations
- Intelligent logistics
- Sensing, Detectors and Actuators
- Connected and Probe Vehicles
- Big Data and Naturalistic Datasets
- Communication in ITS
- Cooperative Techniques and Systems
- Intelligent Vehicles
- Vision, and Environment Perception
- Electric Vehicle Transportation Systems
- Electronic Payment Systems
- Smart Mobility
- Traffic Theory for ITS
- Modeling, Control and Simulation
- Human Factors, Travel Behavior
- ITS Field Tests and Implementation
- Driver and Traveler Support Systems