

Call for Sessions and Papers

Next Generation Integrated Mobility Driving Smart Cities



ITS World Congress 2017

Montréal 

ITS World Congress 2017
OCTOBER 29 – NOVEMBER 2
Palais des congrès Convention Center
Montréal, Québec, Canada

#THISisITS

The ITS World Congress 2017, the event where policy, real world deployment and future ideas will come together to advance integrated mobility, Smart Cities and the next generation of transportation through intelligent transportation systems. Autonomy and connectivity, artificial intelligence, infrastructure developments, cloud technologies, data, privacy, cyber issues, traffic management, smart city deployment efforts, research and academic initiatives and a look at the world's view of public policy around the next generation of transportation will take center stage. If you have undertaken research on an advanced topic in any of these areas, the World Congress International Program Committee invites you to submit your findings for potential presentation in Montreal.

– Steve Dellenback, *Chairman, International Program Committee*

KEY DATES

November 30, 2016
Online Submission Opens

March 3, 2017
11:59 EST
Submission Deadline for
Special Interest Session
Proposals

March 10, 2017
11:59 EST
Submission Deadline
for all Papers

April 1, 2017
11:59 EST
Status Notification to all
Session Submissions

April 14, 2017
11:59 EST
Re-submission of
Conditionally Accepted
Draft Papers

April 25, 2017
Status Notification
to all Authors

June 1, 2017
Deadline for Early Bird
Speaker Registration

August 25, 2017
Deadline to submit an
updated/final version of
a full paper

CALL FOR PAPERS

In general accepted papers will be included in a formal session with a podium presentation; it is possible that some papers will be grouped into interactive sessions. For more submission instructions, visit submission.itsworldcongress2017.org

■ Technical Papers

May address technical subjects as well as the institutional, business and economic aspects of intelligent transportation and supporting systems. All papers must be original and report on recent significant and substantive achievements. (**Note:** papers accepted for presentation at the 2017 Transportation Research Board (TRB) Annual Meeting are eligible for submission to the ITS World Congress 2017. Draft papers should be (5) five to (8) eight pages long and include substantial detail and data. Submissions will be reviewed by a peer panel that will look for quality, relevance, and significance of the findings. A relevant track and subtopic must be specified.

■ Scientific Papers

Full scientific papers should concentrate on research and scholarship. Draft papers should be (5) five to (12) pages long. These will be reviewed by at least one highly qualified reviewer from each of the three World Congress regions and must meet high scholarly standards to be accepted. A relevant track and sub-topic must be specified.

CALL FOR SESSIONS

■ Special Interest Session Proposals

The World Congress Organizing Committee is also soliciting ideas and potential organizers for Special Interest Sessions. Session proposals must include proposed session title, 250-word session description and relevant track as well as subtopic. In addition to including the proposed session's organizer's name, contact information and home region, submissions should include representative organizations and/or speakers that might be solicited to participate in the session.

ITS WORLD CONGRESS 2017 TRACKS

Connectivity and Autonomy

- Communications Technologies and Solutions
- Cooperative ITS Supporting Multimodality
- Automated Vehicle
- Standards for Automated and Connected Vehicles
- High Precision Maps
- Shared Automated Vehicles
- Infrastructure for Automated Vehicles
- HMI for the Next Generation of vehicles
- Satellite Communications and 5G for Connected and Highly Automated Vehicles
- Modelling / Simulating the Behavior of a Mixed Fleet of Non-, Highly- and Fully-Automated Vehicles

Infrastructure Challenges and Opportunities

- Digital Infrastructure
- Deployment of Infrastructure
- Incorporating Mobility Trends into Transportation Models
- Integrated Payment Systems and Fee Collection Technologies
- Infrastructure to Support the Proliferation of ITS
- Modeling and Simulation of Vehicle Infrastructure Integration
- Real-time Infrastructure Communications
- The Behavior of a Mixed Fleet of Non-, Highly- and Fully-Automated Vehicles
- Asset Management

Smart(er) Cities

- Air Quality Strategies
- Traffic Management
- Managing City Space for Freight as well as Passengers
- Integrating Transport, Energy, Telecoms, Waste and Water Systems
- Modernizing Parking Management
- Business Models for Urban Mobility
- Getting a Mode Shift and a Bigger Role for Transit
- Pedestrians / Bicycles in the Evolving City
- More Liveable Cities
- Transportation in a Digital City

Please note that English is the official language of the World Congress. Papers or session submissions not submitted in English will be automatically rejected. All accepted speakers are required to register and pay accordingly for the World Congress no later than August 25, 2017, or they will be withdrawn from the program.

Data, Security and Privacy

- Business Intelligence and Data Analytics
- Data Sharing / Fusion / Quality
- Cyber Security and Privacy
- Performance Based Funding and Management
- Standards
- Data Mining for Traffic Monitoring
- Balance Between Driver's Security and Privacy Data

Integrated Approach: Planning, Operations and Safety

- Multimodal Transportation/Land Use and Jobs
- Rethinking Transportation Planning with ITS
- Integrated Transportation Operations
- Demand Management, Tolling and Congestion Management
- Dynamic Traffic Adaptation
- ITS for Maritime
- Local to Global Collaboration: Policy, Research and Deployment
- Enhancing the Environment
- Quantifying the ITS Contribution to Reduction of Noise, Emissions and Energy Use
- Impact of ITS / User Behavior on Safety

Disruption and New Business Models

- Mobility as a Service (MaaS) / Mobility on Demand (MoD)
- Managing Innovation
- Transport and Mobility as a Software Business
- People on the Move – Transit in the Future
- Moving Freight in a Digital World
- Shared Mobility
- Integrating Electromobility and C-ITS
- Operation and Management

Innovation, What's Next? The New Ideas

- Your Unique and Inspirational Idea

Program Contacts

Americas (U.S., Canada, Latin America, South America)
ITS America – Susan Nicoletti (snicoletti@itsa.org)

Europe - ERTICO
Program – Pamela Valente (p.valente@mail.ertico.com)
SIS - Delphine Soubies (d.soubies@mail.ertico.com)
Papers – Andrea Hrzić (a.hrzc@mail.ertico.com)

Asia Pacific - ITS Japan
SIS - Ikuko Okada (i-okada@its-jp.org)
Papers - Haruko Ide (h-ide@its-jp.org)

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