



# ITSC 2011

intelligent transportation systems conference

<http://www.seas.gwu.edu/itsc2011>



**Washington DC, USA**  
**October 5-7, 2011**

*Intelligent Transportation Systems (ITS) hold the promise of improving mobility, safety, and security, while ensuring energy efficiency and reducing environmental impacts of transportation systems.*

The 14th IEEE ITS Conference theme is Safe, Secure, and Sustainable Transportation. The Conference brings together researchers, engineers, practitioners, managers, and policy makers from academia, industry, and government to share and discuss the latest in ITS R&D results and implementation strategies. This conference includes dedicated sessions at which Government experts and decision makers will share the latest R&D and implementation needs of ITS.

## Venue

**Cafritz Conference Center, The George Washington University**



At the heart of the nation's capital, this conference provides an ideal setting for exchange of ideas between academic/industry researchers and Government decision makers. Washington, DC offers numerous technical and site seeing opportunities to conference participants. Home to some of the world's best museums, finest dining and shopping, spectacular parks, and historic buildings in a beautiful metropolitan environment, the city has something to offer to every visitor.



## Technical and Special Tours

Special technical tours will be arranged to visit various Government Laboratories such as the Federal Highway Administration (FHWA) Laboratories at Turner Fairbank Highway Research Center, McLean, VA, and the National Institute of Standards and Technology (NIST), among others. A variety of Special Tours can be accessed via commercial venues. Most capital area attractions are either within walking distance or a short Metro (subway) ride.

## Who Should Attend

Those in ITS research, development, design, deployment, planning, and decision making who are in academic institutions, transportation industry, automotive manufacturers and suppliers, government, local transport authorities, national labs, international organizations, public transport authorities, freight and transport operators, public transport operators, service providers, telecom operators, system integrators, commercial fleet owners, road operators, and motoring organizations and all others who are in the energy and environment sector with an interest in transportation systems will benefit by attending this unique conference.

## Organizing Committee

<b>General Chair:</b>	Azim Eskandarian, The George Washington University, USA
<b>Program Chair:</b>	Kyongsu Yi, Seoul National University, Korea
<b>Special Sessions, Tutorials, and Workshops Chair:</b>	Jeremy Blum, Penn State University, USA
<b>Local Arrangement Chair:</b>	Samer Hamdar, The George Washington University, USA
<b>Publicity Co-chairs:</b>	Reinhard Pfliegl, Austria Tech, Austria
<b>International Technical Committee:</b>	TBD



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## Call for Papers

Original and innovative contributions in ITS research and advanced implementations and deployments are sought for technical sessions. Articles conveying new developments in theory, analytical and numerical simulation and modeling, experimentation, advanced deployment and case studies, results of laboratory or field operational tests, and other related creative endeavors as well as special educational development for ITS curriculum are sought. The conference theme is Safe, Secure, and Sustainable Transportation. The technical areas include but are not limited to the following:

- Traffic theory, modelling, simulation
- Intelligent algorithms
- Sensors and actuators
- Vision systems and processing
- Safety Systems
- Security Systems
- Evacuation Systems
- Traffic and Communications Networks
- Traffic Control Systems
- V2V and V2I Communications
- Technologies for ITS User services: ATMS, ATIS, AVCS, etc.
- Intelligent Vehicles
- Driver Assistance
- Vehicle Collision Avoidance
- Integrated Safety Systems
- Commercial Vehicle Operations
- Multi-modal ITS
- ITS Implementation
- Pedestrian and Bicyclist Safety and Mobility systems
- ITS for Special Needs
- Emergency Services

In the tradition of successful IEEE ITS Conferences, only the highest quality papers will be accepted through an on-line peer review process. The final version of the accepted papers will be included in the Conference proceedings, only after at least one author's official registration.

## Important Dates

- |   |                   |
|---|-------------------|
| ➤ Full-paper submission deadline:                 | March 15, 2011    |
| ➤ Notification of acceptance:                     | June 1, 2011      |
| ➤ Final paper submission deadline:                | July 1, 2011      |
| ➤ Special Session proposal submission deadline:   | February 25, 2011 |
| ➤ Workshop/Tutorial proposal submission deadline: | March 15, 2011    |

## **Best Student Paper Award**

Articles written and presented by a primary author who is a student will be specially selected for the *Best Student Paper Award* recognition during the Conference. This is arranged through the IEEE ITS Committee.

## **Special Issue of *IEEE Transactions on ITS***

Selected exceptional quality articles will be invited for submission to a special issue of the *IEEE Transactions on Intelligent Transportation Systems*; Authors will be asked to revise their papers according to the standards of the transactions, which will be subjected to the Transactions' review process.

## **Workshops**

Proposals are sought for Special Workshops and Tutorials related to the topics and themes of the conference.