

REINVENTING TRANSPORTATION IN OUR CONNECTED WORLD



Online
submission
opens
Oct. 21, 2013

Deadline for
draft paper
submission:
Jan. 15, 2014



DETROIT

2014

INTELLIGENT TRANSPORT SYSTEMS

Call for Papers

September 7-11, 2014

Detroit, Michigan

www.itsworldcongress.org

CO-HOSTED BY:

ITS AMERICA





Reinventing Transportation in our Connected World



Key Dates

Monday, October 21, 2013

Online submission opens

Wednesday, January 15, 2014

Deadline for draft paper submission

Deadline for session proposals

Tuesday, April 1, 2014

Early bird registration opens

Early March, 2014

Status notification to all authors

Friday, April 11, 2014

Resubmission of Conditionally
Accepted draft papers

Friday, June 27, 2014

Deadline for final paper submission and
author registration

September 7-11, 2014

21st World Congress on Intelligent
Transport Systems & ITS America
Annual Meeting

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Welcome

It is our great pleasure to announce the **21st World Congress on Intelligent Transport Systems featuring ITS America's Annual Meeting & Exposition**. The World Congress will take place from September 7-11, 2014 in Detroit, Michigan, the home of America's auto industry and a growing high tech region of research institutions, companies, and public agencies on the forefront of transportation technology. As an important symbol of cutting edge innovation, Detroit will draw more than 10,000 of the world's leading transportation policy makers and business professionals to the World Congress.

We know you will find Detroit and the state of Michigan an outstanding setting for the advancement of intelligent transportation and a great backdrop to the many program sessions and technical and scientific papers that will be presented at the World Congress as well as the fantastic exhibition, technology showcase, and technical tours that will be integral to the weeklong series of events. As in Vienna and Tokyo, we are confident that the Congress schedule will spur exciting and critical discussions that will help us continue to promote knowledge development and transfer across the transportation community.

We invite you to submit a technical or scientific paper for the 21st World Congress & Annual Meeting. Papers must be original and should report on recent significant and substantial achievements and results.

Your participation at the 21st World Congress on Intelligent Transport Systems & ITS America Annual Meeting in Detroit is important to us and we hope that you will join us in making this the largest and most successful World Congress yet.

Welcome to Detroit!

James Barbaresso

Vice President, Intelligent Transportation Systems
HNTB Corporation
Organizing Committee Chairman,
21st World Congress on Intelligent Transport Systems

Scott F. Belcher

President and CEO
ITS America

Reasons to Come to Detroit

There are many reasons to come to Detroit. Here are the top ten plus five more!

- 01** Detroit is still leading the way more than 100 years after the invention of the automobile in reinventing transportation in our connected world.
- 02** It is home to Chrysler, Ford, General Motors, the U.S. Government's Military Vehicle Procurement and Research Operations, and high-tech battery manufacturers, as well as new and emerging players in ITS.
- 03** Detroit and Michigan has the most comprehensive deployment of ITS technologies in the United States.
- 04** More than 200 miles of freeway in the region are instrumented with 238 closed-TV cameras, 78 dynamic message signs, 144 microwave detection sensors, and city and suburban traffic signals feature centralized and adaptive control systems.
- 05** The Michigan partnership with Canada focuses on border security, freight, traffic management and the movement of people and goods across international lines.
- 06** The region has a heavy concentration of engineering talent.
- 07** Nearly every manufacturer and supplier in the world has a major research facility in Detroit.
- 08** Southeast Michigan is a world-class research environment.
- 09** Detroit is home to the Connected Vehicle Safety Pilot Project.
- 10** The city boasts the newly transformed downtown COBO Convention Center.
- 11** There are more transportation heritage sites than anywhere else in the world.
- 12** Greenfield Village and the Henry Ford Museum are among the most prominent transportation venues in the world.
- 13** The first Model T's and the assembly line were developed at The Piquette Plant here in Detroit.
- 14** GM's Heritage site showcases a private collection of concept cars.
- 15** Chrysler's headquarters is the second largest office facility under one roof in the United States (The Pentagon is #1).

SAVE THE DATE

September 7-11, 2014 • Cobo Center Michigan

Who Should Attend

Transportation, technology, and business professionals involved in any aspect of the growing field of intelligent transportation systems, whether involved in research, planning, deployment, or operation, should make plans to attend this event.

And in this dynamic field, experts from the fields of investment and finance, communications, security and public safety, and insurance are playing dynamic roles alongside their colleagues in the transportation profession and are invited to participate in wide ranging conversation about the future of transportation and the essential role ITS is playing to make our transportation systems safer, less congested, and environmentally sustainable.

Featuring ITS America's Annual Meeting

ITS America traditionally incorporates its annual meeting as part of an Americas World Congress and this year will be no exception. Important elements of the annual meeting will include domestically oriented program sessions that highlight the latest research and deployment of ITS, the Best of ITS Awards program that showcases the latest and greatest in ITS products and practices, the annual business meeting that will present the state of ITS in the United States, and a range of accompanying meetings and activities bringing together transportation professionals from ITS chapters around the country and colleague organizations focused on smart transportation solutions to the nation's transportation challenges.

What Attendees Will See

- Advanced Traffic Management Systems
- Automatic Collision Notification
- Commercial Vehicle Safety, Security, and Payment Systems
- Cooperative Safety Systems
- Electronic Toll, Fare Collection Systems
- Incident Management
- Integrated Vehicle Control and Safety Systems
- Connected Vehicles and Infrastructure
- Environmental Applications Using Real-Time Data
- Intermodal Systems
- Modeling and Simulation Tools
- Parking Management Systems
- Real-Time Travel Information Technology
- Surveillance Technology
- Telematics and Vehicle Navigation
- Traffic Management Centers
- Traffic Signal Systems
- Transit Systems
- Tunnel Maintenance and Management
- Variable Message Signs
- Vehicle Locations and other GOS, GIS Technologies
- Weather Systems
- Wireless, Mobile Communications
- Vehicle Automation
- Border Security and Operations

And More!

Cobo Center Highlights

One of the original, major convention facilities in the United States, the COBO Center is now undergoing a series of renovations that will be in place for the Detroit World Congress. Among the highlights are:

- New Grand Ballroom with theater style and banquet seating (40,000 sq. ft.)
- New Atrium with connection to the riverfront (30,000 sq. ft.)
- Redeveloped and upgraded exhibit halls
- New Southside and east façade to the Convention Center
- Technology and infrastructure upgrades to the entire facility with the goal of "Green Building" designation
- Enhancements to parking and street connections
- Seamless, meaningful connections to the surrounding area.



CALL FOR PAPERS

Scientific Papers

The 21st World Congress on Intelligent Transport Systems & ITS America Annual Meeting is a major forum for academic and scientific excellence in the ITS industry. If you have undertaken research on an advanced topic in Intelligent Transportation Systems, the World Congress International Program Committee invites you to present your findings at the event in the form of a scientific paper.

Full scientific papers, no longer than 12 pages, 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. Papers which are submitted as scientific, but do not meet the scientific standard, may still be accepted as technical papers.

Technical Papers

Technical papers may address technical subjects as well as the institutional, business and economic aspects of ITS. All proposals must be original and report on recent significant and substantive achievements.

Draft technical papers should be no longer than three pages and written in English. Technical papers will be reviewed by a peer panel that will look for quality, relevance, and significance of the findings.

Scientific and Technical Paper Topics

1. Policy and Strategy

- a) Governmental Policy, Legislation and Regulation
- b) Security and Privacy
- c) ITS Business Models
- d) The Benefits of ITS

2. Deployment

- a) International Standardization and Harmonization
- b) Field Operational Tests and Demonstrations
- c) ITS Investment and Contracting
- d) Education and Training
- e) Performance Management

3. Integrated Transportation Systems

- a) Operations
- b) Insurance ITS
- c) Smart Parking
- d) Tolling, Fare Payment and User Charging
- e) Commercial Vehicle Operations and Logistics
- f) Intermodal Transportation
- g) Emergency Management

4. Vehicle and Driver Systems

- a) Cooperative Systems (connected vehicles in USA)
- b) Human-Machine Interface
- c) Traveler Information
- d) Personal Devices
- e) Vehicle Safety and Driver Assistance Systems
- f) Eco-Driving

5. Management

- a) Advanced Corridor Management
- b) Traffic Management
- c) Incident Management
- d) Roadway Weather Systems
- e) Congestion and Demand Management
- f) Traffic Safety
- g) Rural ITS

6. Public Transportation

- a) Transit Services
- b) Railways and Waterways
- c) ITS in Airports Ground Operations
- d) Multi-Modal Public Transportation

7. New Technologies

- a) Electrified Vehicles
- b) Automated Driving
- c) Cloud and Fog Computing
- d) Personalized Mobility
- e) ITS in Smart Cities

8. Transformative Trends in Transportation

- a) Big Data
- b) New Operational Paradigms
- c) Driver Demographics and Societal Trends
- d) New Mobility Programs and Concepts

CALL FOR PAPERS

Special Interest Session Proposals

If you wish to organize a Special Interest Session on a particular topic, please contact your regional representative with the following information:

- Topic area
- Proposed session title
- Session organizer's name and contact information
- Session description — 400 words maximum
- Names of potential session moderator and speakers, including job titles, organizations and country

Proposals must be received by **January 15, 2014**. Please note that only a limited number of Special Sessions will be offered at the World Congress. You will be notified in early March if your proposal is selected.

All accepted and invited paper authors and special session moderators and speakers are required to register and pay accordingly for the World Congress.

Publication Opportunity

To enhance the quality of this event, the World Congress Organizing Committee has entered into an agreement with three noted ITS journals which will offer authors of scientific papers the possibility of international peer-reviewed publication of their work in a world-class forum for ITS-related research. Each journal will publish a special World Congress issue focusing on different areas of ITS.

- **The Journal of Intelligent Transportation Systems**
Prof. Asad J. Khattak, Editor-in-Chief and
Prof. Hong Lo, Managing Editor
- **IET Intelligent Transport Systems**
Dr. Alan Stevens, Editor-in-Chief
- **International Journal of Intelligent Transportation Systems Research**
Prof. Edward Chung, Editor-in-Chief

Shortly after the close of the 21st World Congress, authors of papers that are considered suitable for expansion and consideration in the World Congress special issues will receive a formal invitation to submit an updated and enhanced paper for consideration in one of the special issues. Papers will go through the journal's standard peer-review process and, if accepted for publication, will be indexed in the Thomson Reuters SCI database.

Guidelines for Paper Submission

Please check www.itsa.org updates on the launch of paper submission site.

- The deadline for submission of draft technical papers and full scientific papers is **Wednesday, January 15, 2014**.
- Upon submission, the primary author will receive a confirmation email.
- If a paper is accepted, the primary author will be informed by early March 2014, and the final version of the paper will be due **June 27, 2014**.
- Authors may submit up to three papers.
- To help organize the technical and scientific sessions, please specify the topic area (see Page 5) that best describes the subject of your paper.
- Authors/presenters must be registered for the 21st ITS World Congress & ITS America Annual Meeting by **June 27, 2014**, or their paper will be withdrawn from the program.

Please note that English is the official language of the World Congress. Papers not submitted in English will be automatically rejected.

Agreement

By submitting a paper for the 21st World Congress on Intelligent Transport Systems & ITS America Annual Meeting:

1. You grant permission to the 21st World Congress Organizing Committee to include your paper in the 21st World Congress & ITS America Annual Meeting proceedings, and to publish, sell, or otherwise distribute these proceedings as the World Congress Organizing Committee may see fit.
2. You warrant that the submitted content will not infringe or violate any property or other right of any third party.
3. You agree that if your paper is accepted, you will submit the final paper on or before **June 27, 2014**.
4. You represent that you (or one of the co-authors) will register for and attend the 21st World Congress on Intelligent Transport Systems & ITS America Annual Meeting in Detroit. Please note that your paper will be withdrawn from the program if none of the authors register for the Congress by **June 27, 2014**.

International Program Committee



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GENERAL INFORMATION

Venue



September 7-11, 2014

Michigan, Detroit

www.itsworldcongress.org

CO-HOSTED BY:

ITS AMERICA



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