

# ISTS & IWTDCS 2018

International Symposium of Transport Simulation & International Workshop on Traffic Data Collection and its Standardization 2018

**Emerging transport technologies for next generation mobility**

August 4-6, 2018, Matsuyama, JAPAN

## FIRST CALL FOR PAPERS

The 6<sup>th</sup> International Symposium of Transport Simulation and the 5<sup>th</sup> International Workshop on Traffic Data Collection and its Standardization will be jointly held in Matsuyama, the capital city of Ehime Prefecture on the island of Shikoku in Japan, from August 4-6, 2018. ISTS and IWTDCS 2018 aim to discuss the analysis and the technologies on transportation field, especially on traffic simulations and data collections. The world's transportation and traffic researchers and practitioners, as well as people who are interested in contributing to or gaining a deeper understanding of the transportation analysis are expected to join this conference. For further details, see <http://ists18.cee.ehime-u.ac.jp>.

## Program Topics

These two events will bring together leading engineers and scientists in the transport simulation and traffic data collection fields worldwide. Topics are divided into 4 pillars likely to be covered in this event. The 4 pillars are the following:

### 1 Data Collection & Smart Processing

- Innovative data Collection and data processing
- Data quality metrics and quality assurance
- Big Data and Open Data initiatives
- Real-time information & prediction
- Traffic state estimation and data fusion

### 2 Transport Modeling, Simulation and Management

- Traffic flow theory and operations
- Methodological issues in all modes of transport simulation
- Calibration and Validation of Traffic and Transport models or Simulators
- Advances in transport simulation modeling and applications
- Dynamic OD Matrix estimation
- Public transportation

- Traffic Safety

- Environmental impacts of transportation systems

### 3 Multimodal Transportation Systems

- Urban network modeling and monitoring
- Pedestrian modelling and simulation
- Railway Traffic Simulation and Control
- Robustness and resilience in transport system
- Urban logistics / Freight Transportation

### 4 Transport operation and management in the era of autonomous/connected vehicles

- Cooperative transport systems
- New transport and mobility concepts and services
- Automation in transport systems
- Electro mobility
- MaaS (Mobility as a Service)
- Shared mobility

and so on!

## Keynote Speakers



Prof. Markos Papageorgiou  
Technical University of Crete  
(Greece)



Prof. Serge Hoogendoorn  
Delft University of Technology  
(the Netherlands)



Prof. Yafeng Yin  
University of Michigan  
(USA)

## Format Submission

To present a paper at this conference, an extended abstract (1,000 words) should be submitted electronically (pdf format) through our website by Nov. 30 2017 for the first round review. If the abstract is accepted, a full length manuscript will need to be submitted by Feb. 28 2018 for final evaluation. **The full papers presented at the conference will be considered for publication in the journal "Transportation Research Procedia"**.

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\* Concurrent with LOC (Local Organizing Committee)

## Important Dates

- Extended abstracts due by November 30, 2017.
- Extended abstracts accepted by December 31, 2017.
- Full Papers due by February 28, 2018.
- Full Papers accepted by April 30, 2018.

## Inquiries and Further Information

For any questions regarding ISTS & IWTDACS 2018,  
please e-mail to [ists2018@cee.ehime-u.ac.jp](mailto:ists2018@cee.ehime-u.ac.jp), or  
visit <http://ists18.cee.ehime-u.ac.jp>.

Inquiries by  
e-mail:

ISTS&IWTDACS'18  
website:

