Intelligent Transport Systems in Theory and Practice

Call for Papers

Intelligent Transport Systems and Services (ITS) provide a wide variety of solutions to existing transport problems and to the ecological and societal challenges presented by an increasing demand for mobility. With growing capabilities of information, communication and automation techniques and an increasing digitalization in all domains of transport and mobility, a future with high fidelity transport information in a seamlessly connected, safe and highly automated mobile world for all types of traveler draws ever nearer. In order to respond to the multifaceted character of these developments, science and practice within the mobility domain involve an increasingly broad range of different disciplines.

The mobil.TUM conference will therefore once again serve as an opportunity for international dialogue across disciplines on the latest challenges and achievements in ITS. The conference is organized by the Chair of Traffic Engineering and Control of TUM (Technical University of Munich). It will explore the various aspects of Intelligent Transport Systems, focusing on the latest technologies and solutions and the perspectives for which they allow. The conference will consist of presentations, poster sessions and panel discussions, and is accompanied by a small exhibition.

Contributions are requested on topics including:

- Progress and effects of digitalization in mobility services and transport systems
- Automation and self-organization in traffic flow and control
- Interactions between personalized ITS-technology and the individual as well as the society
- Traveler’s behavior in a connected systems and the influence of assistance systems
- Designing and modeling mobility in a multi-modal environment
- Progress in traffic flow theory and modeling of cooperative transport
- Crowd sourcing, new data acquisition technologies and data fusion
- Cloud computing, internet of things and related theories applied to cooperative ITS
- Cooperative traffic control at hotspots, in networks and at special events
- Progress in transport system simulation on various scales

Scientific Committee

Constantinos Antoniou, Munich, Germany
Moshe Ben Akiva, Boston, USA
Fritz Busch, Munich, Germany (chairman)
Martin Fellendorf, Graz, Austria
Larry Head, Tucson, Arizona, USA
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Nicolas Geroliminis, Lausanne, Switzerland
Ben Heydecker, London, Great Britain
Jean-Baptiste Lesort, Lyon, France
Hideki Nakamura, Nagoya, Japan
Peter Vortisch, Karlsruhe, Germany
Yiik Diew Wong, Singapore, Singapore

Deadlines

Abstract submission 2016, December 31
Feedback / Acceptance of contribution 2017, January 31
Full paper submission 2017, March 31
Review of the papers 2017, April 15
Final paper submission for publication 2017, May 31
Abstract
Please enter your abstract of up to 500 words on https://easychair.org/conferences/?conf=mobiltum2017 until December 31, 2016.

Full papers: presentation or poster
Accepted proposals will be prepared as full papers (4,000 – 6,000 words). They will be presented in the conference either as
- Presentation of max. 15 minutes with 5 additional minutes for discussion in the plenary sessions, or
- Poster (DIN A0) to be presented and discussed in a dedicated poster session.
Accepted contributions will be included in the conference proceedings.

Evaluation and publication
Full papers will be peer-reviewed by an international scientific committee (see above).
After the conference, authors of selected papers will be asked to update their papers based on the session discussions and send a final version by September 30, 2017 for publication within ELSEVIER Transportation Research Procedia and ScienceDirect.

We are looking forward to your ideas and proposals!

Venue
July 4 and 5, 2017
Alte Kongresshalle
Theresienhöhe 15
80339 Munich, Germany

Registration and Fees
- General audience: 460 €
- Students and speakers: 230 €
⇒ www.tum.de/mobil-tum

The registration fee covers the costs for admission to the conference and catering for the two days as well as an evening event. Registration only via conference website!

Organization and contact
mobil.TUM 2017 conference and workshop are organized by the Chair of Traffic Engineering and Control of Technical University of Munich. Please do not hesitate to contact us for any further information.

Prof. Dr.-Ing. Fritz Busch
Chair of Traffic Engineering and Control
Technical University of Munich
http://www.vt.bgu.tum.de

Conference contacts:
Dr.-Ing. Matthias Spangler, Anna Schamagl
mobil-tum2017@vt.bgu.tum.de

Latest information can be found on the conference website at: www.tum.de/mobil-tum/

mobil.TUM workshop
6th of July 2017, Munich, Germany
Digital (R)evolution of ITS
– New Options for Transport through Digitalization and Big Data
Interactive workshop, applications, discussion groups, student's contest

See separate announcements!

mobil.TUM 2017 – International Scientific Conference on Mobility and Transport