

## 3<sup>rd</sup> International Conference on Models and Technologies for Intelligent Transportation Systems

### Local organising committee

Thomas Albrecht  
Jürgen Krimmling  
Henriette Müller  
Gunter Thiele  
TU Dresden, GER

### Scientific Committee

Andrea D'Ariano  
Univ.degli Studi Roma Tre, ITA  
Gennaro Bifulco  
Univ. of Naples Federico II, ITA  
Michael Florian  
Université de Montréal, CAN  
Hartmut Fricke  
TU Dresden, GER  
Gaetano Fusco  
Univ. di Roma "La Sapienza", ITA  
Stefan Lämmer  
TU Dresden, GER  
Karsten Lemmer  
DLR, GER  
Hans van Lint  
TU Delft, NED  
Hani Mahmassani  
Northwestern University, USA  
Mike McDonald  
University of Southampton, UK  
Oliver Michler  
TU Dresden, GER  
Jerzy Mikulski  
Silesian Univ. of Technology, POL  
Dario Pacciarelli  
Univ.degli Studi Roma Tre, ITA  
Markos Papageorgiou  
Technical Univ. of Crete, GRE  
Eckehard Schnieder  
TU Braunschweig, GER  
Todor Stoilov  
Bulgarian Acad. of Sciences, BUL  
Chris Tampere  
KU Leuven, BEL  
Francesco Viti  
Univ. of Luxembourg, LUX  
Stefan Voss  
Universität Hamburg, GER  
Henk van Zuylen  
TU Delft, NED

### Technical Committee

Werner Balz  
PTV Group, GER  
Susanne Breitenberger  
BMW Group, GER  
Steve Logghe  
Be-Mobile, BEL  
Andrew Nash  
Vienna Transp.Consult., AUT  
Steffen Oettich  
CSC Switzerland, SUI  
Uwe Plank-Wiedenbeck  
pwp-Systems, GER  
Gerhard Ploss  
SWARCO Traffic Systems, GER  
Joaquin Rodriguez  
IFSTTAR, FRA  
Andreas Roller  
INIT, GER  
Peter Vortisch  
Karlsruhe Inst. of Technology, GER

Technische Universität Dresden  
Faculty of Transportation and Traffic Sciences "Friedrich List"  
Institute of Traffic Telematics  
Chair of Traffic Control Systems and Process Automation  
Dresden, December 2 - 4, 2013  
Website: <http://tu-dresden.de/mt-its2013>  
Contact: [mt-its2013@mailbox.tu-dresden.de](mailto:mt-its2013@mailbox.tu-dresden.de)

The main task of Intelligent Transportation Systems is to make smarter use of the transport networks and thereby increase fluidity of traffic flow and capacity. This third edition of the conference series on Models and Technologies for Intelligent Transportation System will strongly focus on traffic management related aspects and issues of ITS. As before in Leuven, the conference aims at bringing together experts from science, industry and the public sector.

Establishing traffic management systems requires the availability of suitable *technologies* for traffic state detection and for communication including the transmission of control decisions to the actors. The intelligence itself comes from the *models* using highly-developed algorithms which process the data provided by the technology. Papers submitted to the conference should deal with one of these two areas, or describe the way how *models* and *technologies* are integrated to make up an intelligent transportation system.

The focus of the conference will be on comprehensive traffic management based on *cooperative systems* (e.g. V2X communication). These are particularly relevant in urban areas where different modes interact or compete with each other, e.g. traffic light control in cities with significant public transport like in Dresden. Beside this main topic, papers regarding traffic management for any mode of transport are welcome.

Topics of the conference include but are not limited to:

- Traffic modelling
- Estimation and prediction of traffic state and travel times
- Methods for real time traffic control
- Route choice (guidance and adherence)
- Model calibration
- Case studies and assessment of ITS applications
- Floating car data and floating passenger data
- Use and impact of driver and traveller advisory and information systems
- Integrated traffic management approaches
- Coordination between different transport modes
- Simulation and tools for ITS

### Call for Special Sessions and Workshops

Ideas for Special Sessions and Workshops are to be submitted by May 2nd, 2013. Topics suggested for special sessions so far are:

- Strategies for public transit consideration in traffic light control
- Analysis and evaluation of floating car data (FCD)
- Management of an intelligent rail transport system: a cooperative challenge for railway undertakings and infrastructure managers
- Benefit from the end-user's perspective: potentials of comprehensive multi-modal systems

Papers might be submitted to these special sessions through the conference website.

### Important Dates

Abstract submission (optional)  
April 15<sup>th</sup> 2013

Special Session proposal  
May 2<sup>nd</sup> 2013

Paper submission  
**July 31<sup>th</sup> 2013**

Notification of acceptance  
September 2013

Early registration deadline  
October 15<sup>th</sup> 2013

Conference  
December 2<sup>nd</sup> – 4<sup>th</sup> 2013

### Conference fees (Early registration)

Three day participation  
500 EUR (Full)  
250 EUR (Reduced)

One day participation  
400 EUR (Full)  
200 EUR (Reduced)

The conference fees include:  
Conference attendance  
Proceedings in electronic format  
Conference lunches  
Coffee breaks  
Evening events on  
Monday and Tuesday  
(One day registration = only one  
evening event)

Participants coming from  
Universities, SME and public  
authorities as well as members  
of the advisory committees are  
eligible for reduced fees.

Higher fees will apply after  
October 15<sup>th</sup> 2013.  
See website for details  
and for registration.

### Submission guidelines

Only original papers – not published before or currently under review – are considered for presentation at the conference. Each author is required to submit a paper by ~~July 1<sup>st</sup>, 2013~~ **July, 31<sup>th</sup> 2013**. This paper will be reviewed by independent experts from the scientific and/ or technical advisory committee of the conference. If you are unsure, whether your research subject fits within the topic of the conference or a special session, we encourage submission of a short abstract (max. 300 words) by April 15<sup>th</sup>, 2013. These abstracts will be pre-checked within a short time and recommendations will be given by the reviewers on how to make the topic eligible to be selected for the conference programme. Proceedings containing all abstracts will be provided to all attendees.

Details on the required format of the paper and the submission process as well as paper templates for LaTeX and MS Word can be found on the conference website.

### Journal publication

Papers of excellent quality will be proposed by the scientific advisory committee to be invited for special issues of the “Journal of Intelligent Transport Systems” and the Journal “Public Transport: Operation and Planning” after the conference. Extended versions of the selected papers must be submitted in 2014, the exact schedule will be published after the conference.

### Programme outline and Venue

The conference invites researchers and developers in the field of ITS from academic institutions, system manufacturers, private commercial software developers and research institutes as well as people who are in charge of applying ITS in governmental organisations, transport undertakings or infrastructure managers. The involvement of innovative SME and public bodies is especially encouraged and hopefully facilitated by entitling them for reduced conference fees.

With this third edition in the series we will strive to keep the friendly and informal atmosphere that was found in the first editions. Significant time of the program schedule will be left for discussion and networking between the conference participants. The coffee breaks of the conference will be held in a central area between the session rooms. Companies are invited to present their solutions in the exhibition accompanying the conference. Enquiries on exhibition space should be sent to the conference email address.

For both evenings of the conference, dinner events will be organised, one of them held in the Dresden museum of transport. On the third day of the conference, the 9th VIMOS symposium on Operative Traffic Management in German language will be held at the same venue. Participants of MT-ITS will be able to attend the VIMOS symposium for free.

Technical visits will be organised, e.g. to the road traffic management of the city of Dresden and to the traffic management centre of the local tram and bus operator.

The participants will of course have the opportunity to visit the charming Dresden Christmas markets full of festive atmosphere. The venue will be Dresden art'otel located at short walking distance from the famous historic city centre.

### Accommodation

The conference hotel offers special rates for conference delegates. More details and information about further hotels in the area are indicated on the website.

As December is a very busy time, we advise you to book far in advance.



See you in Dresden in December 2013!

Third International Conference on  
Models and Technologies for  
Intelligent Transportation Systems