

mobil.TUM 2018

International Scientific Conference on Mobility and Transport

June 13th - 14th, 2018, Munich, Germany

URBAN MOBILITY – SHAPING THE FUTURE TOGETHER

organized by the Focus Area Mobility & Transportation Systems
Technical University of Munich (TUM)

Call for Papers

200 years ago the bicycle was invented – a technological innovation replacing horses...

150 years ago the railway opened up new horizons – including rapid urban growth...

100 years ago the car started its success story – with benefits and challenges along the way...

50 years ago the limits to growth were discovered – initiating the aspiration for sustainability...

10 years ago smartphones appeared – enabling new mobility services and the sharing economy...

What will happen to urban mobility in the next 10, 50, 100 years, and beyond? Following the quote “The future is not predetermined and waiting to happen – it is ours to shape” (Lyons & Urry, 2006), we understand that our situation in the future largely depends on decisions we make today. We invite you to share your ideas on how to develop urban mobility for the future, to give your contribution, today.

The mobil.TUM International Scientific Conference on Mobility and Transport is a platform for practitioners and researchers to meet and exchange their knowledge and experiences. In TUM's anniversary year 2018 – also the 10th anniversary of mobil.TUM – the conference will join forces from across different thematic fields, organized by four professorships of the Focus Area Mobility & Transportation Systems at TUM. International keynote speakers will provoke the debate, and posters, presentations, as well as discussions and interactive networking formats will enable inspiration from the latest innovations and explore new directions for shaping the future of urban mobility.

Key topics of interest include, but are not necessarily limited to:

- **Transport Innovation and its Effects on Urban Systems**

ICT-enabled mobility services, Transportation Network Companies (TNCs), integrated mobility services, Mobility as a Service (MaaS), personalized ITS-technology, automation and self-organization in traffic flow and control, cloud-computing and internet of things applied in ITS, ...

- **Modelling and Simulation of Urban Mobility**

Travel behavior research, integrated land-use and transport modelling, travel demand modelling, microsimulation of traffic, environmental impact modelling, urban freight modelling, modelling in a multi-modal environment, systems thinking and system modelling, ...

- **Transportation Data Analysis**

Big data in transportation, new opportunities and risks in data acquisition, fair data management, urban transportation data analytics, progress and effects of digitalization in transport systems, measuring, analyzing and mitigating environmental impacts, ...

- **Strategies for Sustainable Mobility Systems**

Accessibility planning, integrated development of transport nodes and urban places, behavioral changes and retro-fitting of infrastructure and services, promotion of livable urban spaces, non-motorized transportation, transport and land-use policies, ...

- **Governance of Urban Mobility**

Governance and networks, policy analysis, assessment and evaluation in urban mobility, funding schemes, participation and citizen involvement, co-creation of innovative solutions, ...



Contributions from diverse backgrounds, regions, and cultures are very welcome. We will accept proposals for lectern presentations, poster presentations, and a lightning talk session, where research ideas and works in progress can be discussed. Criteria for acceptance are:

- Relevance for the conference's general topic and focus on selected topic areas
- Scientific quality in terms of methodologies applied and data handling
- Usefulness for practice supported by successful implementations and/or relevance for scientific progress

Additional workshops and conference-related activities will take place on Friday (June 15th) – details will be posted on the conference website soon. The conference will be accompanied by a small exhibition.

Submission of proposals

Please submit your extended abstracts (1,000 – 1,500 words) including title, authors, affiliation, contact information of corresponding author, and keywords using the conference website www.mobil-tum.de

Extended abstracts should include:

- Problem statement
- Research objectives
- Methodological approach
- (Expected) results

Please use the template for extended abstracts provided on the conference website under submissions.

Authors of accepted proposals will be invited to optionally submit a full paper by March 31st, 2018 (4,000 – 6,000 words). Full papers handed in on time will benefit from a peer-review by the end of May. Contributions will be included in the conference either as a presentation in the plenary sessions (max. 20 minutes per presentation), as a poster (DIN A0) to be presented and discussed in a dedicated poster session, or as part of a lightning talk session. Please indicate your preference with the abstract submission. After the conference, authors will be invited to update their papers or abstracts based on the reviews and conference discussions and send a final version by July 15th, 2018, for publication in Transportation Research Procedia (Elsevier). Selected papers that have been reviewed particularly favorably are intended to be published in a special issue of a peer-reviewed journal.

Important Dates

Abstract submission deadline:	November 30 th , 2017
Acceptance notification:	January 30 th , 2018
Full paper submission (optional):	March 31 st , 2018
Final paper submission for publication:	July 15 th , 2018

Venue

June 13th -14th, 2018
GALILEO, Munich (Garching), Germany
www.galileo-tum.de

Fees

Attendees: 390 €
Students*: 190 €

*certificate of enrolment required

The registration fee covers the costs for admission to the conference, lunch and coffee breaks during the 2 days of the conference, and the conference dinner. Please visit our conference website for further information and news: www.mobil-tum.de

Organizing Committee

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