

Call for Abstracts: 2015 TSL Workshop

Recent Advances in Urban Transportation through Optimization and Analytics

Hosted at Freie Universität Berlin, Germany

July 6th – July 8th, 2015

<https://www.informs.org/Community/TSL/TSL-Workshop>

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There has been a significant body of research on making urban transportation more efficient and sustainable. Planning of urban transportation services is challenging due to the crowded traffic infrastructure, increasing customer expectations, and rules set by municipalities. In recent years, a vast amount of urban transportation data has become available, e.g., travel times and customer demand data. With this workshop, we aim at bringing together researchers from the often-distinct fields of urban transportation and analytics in order to discuss recent optimization approaches and how they can benefit from the increasing amount of detailed data.

The 2015 TSL workshop will consist of talks dealing with recent applications of urban transportation such as home delivery planning, shared mobility services, environmental-friendly deliveries, and city logistics concepts in general. This includes state-of-the-art approaches from network design, dynamic and stochastic vehicle routing, and transportation planning. We are also interested in recent advances in the use of analytics for optimization of urban transportation, covering forecasting of customer demand, travel times and emissions, data aggregation, and how to include that information in state-of-the-art optimization techniques.

The program will feature a panel on "Challenges of Big Data in Urban Transportation Optimization". The panel will be moderated by Bruce Golden and include a set of industry experts from different areas of urban transportation such as city logistics, public transport and shared mobility services.

Sample Topics

City Logistics	Network Design	Shared Mobility Systems
Demand and Traffic Prediction	Public Transport	Vehicle Routing & Scheduling
E-Fulfillment	Revenue Management	Reliability & Sustainability in
Fleet Management	Road Pricing	Urban Transportation

Abstract Submission

Abstracts should be no more than **two pages** in length. There will be a special issue of Transportation Science associated with this year's TSL workshop.

Dates of Interest

- Abstract submission deadline: ~~January 31, 2015~~ **February 9, 2015**
- Notification of acceptance: March 1, 2015
- Deadline for early registration: April 15, 2015
- Conference: July 6 – July 8, 2015

Note that for each presentation, a full (non-student) registration is required.

Plenary Speakers

Michael O. Ball – Chair in Management Science, University of Maryland
Arne K. Strauss – Associate Professor of Operational Research, University of Warwick

Organizers

Catherine Cleophas – Associate Professor of Advanced Analytics, RWTH Aachen
Jan Fabian Ehmke – Assistant Professor of Advanced Business Analytics, Freie Universität Berlin
Ann Melissa Campbell – Professor of Management Science, University of Iowa

Scientific Committee

Niels Agatz Rotterdam School of Management, NL	Jochen Gönsch University of Augsburg, Germany	Warren Powell Princeton University, USA
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Yueyue Fan UC Davis, USA	Hani Mahmassani Northwestern University Chicago, USA	Tom van Woensel Technische Universiteit Eindhoven, NL
Miguel Figliozzi Portland State University, USA	Dirk Mattfeld University of Braunschweig, Germany	Stefan Voß University of Hamburg, Germany
Bruce Golden University of Maryland, USA	Maciek Nowak Loyola University Chicago, USA	

Social Agenda

This workshop will provide numerous opportunities to network with colleagues and establish new working relationships. We plan to have a welcome reception at a rooftop bar overlooking downtown Berlin to start the event on Sunday evening. On Tuesday, we will limit talks to the first half of the day to explore Berlin in the afternoon. A city tour by boat followed by a guided walking tour will introduce the participants to historic sites of Berlin. We will end the day with a conference dinner in the historic heart of the German capital.



Venue

The spirit of science suffuses historic Harnack House at the heart of Berlin Dahlem. The opening in 1929 was a banner day for Berlin's academic, political and economic elites. It was through their concerted efforts that Berlin finally acquired a lecture venue and social center for members of the famous Dahlem Institute, simultaneously serving as a guesthouse for academics worldwide. Nobel Prize winners and their students met here in social exchange and for academic discussion, holding lectures and colloquia. Today, the conference center offers all advantages of a modern conference hotel.



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Lodging

Berlin offers a wide range of hotel options. For the TSL workshop, we recommend

Lindner Hotel Am Ku'Damm (» <http://www.lindner.de/en/LKB>, info.berlin@lindner.de)

The Lindner Hotel is a modern business hotel situated downtown in the immediate vicinity of the Memorial Church and Berlin Zoo. Direct subway (runs every 5 minutes) and bus lines make the workshop venue easily accessible. The price is EUR 89 for a single and EUR 129 for a double room per night (including breakfast buffet and WiFi). Make your reservation by email including the keyword "INFORMS" to info.berlin@lindner.de until May 25th, 2015.

Harnack Haus (» <http://goo.gl/fZ9rjZ>, info@harnackhaus-berlin.mpg.de)

We also reserved a few rooms in the workshop venue, the *Harnack Haus*. Note that a subway ride to downtown locations takes about 15 to 30 minutes. The price is EUR 72 for a single room (including breakfast buffet and WiFi). Make your reservation via email to info@harnackhaus-berlin.mpg.de including the keyword "1233 – INFORMS" until May 25th, 2015.