

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.

Sample Topics

City Logistics
Demand and Traffic Prediction
E-Fulfillment
Fleet Management

Network Design
Public Transport
Revenue Management
Road Pricing

Shared Mobility Systems
Vehicle Routing & Scheduling
Reliability & Sustainability in
Urban Transportation

Abstract Submission

Abstracts should be no more than **two pages** in length. Abstract submission will be available December 15, 2014. We plan to have a special issue of a premiere transportation journal focused on talks presented at the workshop.

Dates of Interest

- Abstract submission deadline: **January 15, 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

Michael Ball
University of Maryland, USA

Teodor Crainic
CIRRELT, Canada

Karl Dörner
University of Vienna, Austria

Richard Eglese
Lancaster University, UK

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Bruce Golden
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Jochen Gönsch
University of Augsburg, Germany

Richard Hartl
University of Vienna, Austria

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Georgia Institute of Technology, USA

L. Douglas Smith
University of Missouri-St. Louis, USA

Kalyan Talluri
Universitat Pompeu Fabra Barcelona, Spain

Barrett W. Thomas
University of Iowa, USA

Tom van Woensel
Technische Universiteit Eindhoven, NL

Stefan Voß
University of Hamburg, Germany

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.



Lodging

Hotel information will be posted on the workshop website soon. Please check <https://www.informs.org/Community/TSL/TSL-Workshop> for further details.