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	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. 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	**Jochen Gönsch** University of Augsburg, Germany	**Warren Powell** Princeton University, USA
Michael Ball University of Maryland, USA	**Richard Hartl** University of Vienna, Austria	**Martin Savelsbergh** Georgia Institute of Technology, USA
Teodor Crainic CIRRELT, Canada	**Ola Jabali** HEC Montréal, Canada	**L. Douglas Smith** University of Missouri-St. Louis, USA
Karl Dörner University of Vienna, Austria	**Patrick Jaillet** Massachusetts Institute of Technology, USA	**Kalyan Talluri** Imperial College London, UK
Richard Eglese Lancaster University, UK	**Natalia Kliewer** Freie Universität Berlin, Germany	**Barrett W. Thomas** University of Iowa, USA
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

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