TECHNISCHE UNIVERSITÄT DRESDEN

"FRIEDRICH LIST" FACULTY OF TRANSPORT AND TRAFFIC SCIENCES

Workshop on

Big Data in Transport Management

June 13-14, 2017, Dresden, Germany

Venue: Technische Universität Dresden, Institute Institute of Transport and Economics, Würzburger Straße 35, 01087 Dresden, Room 001 (entry to the building is on level -1 so that you have to go up the stairs to the ground flor level)

Public Transport: Bus no. 62 stop Bamberger Straße

Tuesday, June 13

12:00 – 12:10	**Welcome Note**
	Jörn Schönberger (Vice Dean of the Faculty of Transportation and Traffic Sciences, TU Dresden, Germany)
12:10 – 12:50	**Agglomeration Effects of Urban Transport Investment: An Application of the Macroscopic Fundamental Diagram**
	Thomas Rutherford (Agricultural & Applied Economics, University of Wisconsin-Madison, USA)
12:50 – 13:30	**Analysis of spatial and temporal variations in extremes of traffic flow data**
	Maria Osipenko (Toll Collect GmbH, Germany)
13:30 – 14:30	*Late Lunch*
14:30 – 15:10	**Big Data and Logistics: Some Case Examples**
	Tom van Woensel (School of Industrial Engineering, Eindhoven University of Technology, The Netherlands)
15:10 – 15:50	**Making Trajectory Data Consistent**
	Martin Treiber (Faculty of Transportation and Traffic Sciences, TU Dresden, Germany)
15:50 – 16:10	*Coffee Break*
16:10 – 16:50	**Optimal shrinkage-based portfolio selection in high dimension**
	Taras Bodnar (Department of Mathematics, Stockholm University, Sweden)

16:50 – 17:30	**Modeling trip-chaining choices in large data sets using motifs and MACML estimation** Manuel Batram (Faculty of Business Administration and Economics, Universität Bielefeld, Germany)
	Going downtown for dinner

Wednesday, June 14

08:30 – 09:10	**Smart Data Analytics** Wolfgang Karl Härdle (Ladislaus von Bortkiewicz Chair of Statistics, C.A.S.E. - Center for Applied Statistics & Economics, School of Business and Economics, Humboldt-Universität zu Berlin, Germany)
09:10 – 09:50	**Using a Kernel-based regression to model the required space for inland vessels** Nicolas Fischer & Ostap Okhrin (Faculty of Transportation and Traffic Sciences, TU Dresden, Germany)
09:50 – 10:10	*Coffe Break*
10:10 – 10:50	**Intelligent Urban Transportation: Minimizing Costs and Emissions of Urban Freight Delivery** Jan Fabian Ehmke (Europa-Universität Viadrina, Chair of Business Analytics)
10:50 – 11:30	**Fairness Aspects of Selective Customer Acceptance Mechanisms in Dynamic Vehicle Routing** Ninja Söffker, Marlin Ulmer & Dirk Mattfeld (Decision Support, Technische Universität Braunschweig, Germany)
11:30 – 12:10	**Spatial Information in Value Function Approximation for Dynamic Vehicle Routing with Stochastic Requests** Artur Ansmann (Decision Support, Technische Universität Braunschweig, Germany)
12:10 – 12:30	**Wrap-up and discussion of new ideas**
12:30	*Light Lunch and Farewell*

We kindly acknowledge the financial support of this event (grant-no. F-003661-553-75D-1161101) as part of the Institutional Strategy of the TU Dresden in the Excellence Programme.