

The Israeli Ministry of Transportation and Road Safety, Chief Scientist Office

Tel Aviv University, Dept. of Geography and Human Environment

Ben-Gurion University of the Negev, Dept. of Geography and Environmental Development

International Symposium on Emerging and Shared Transportation Modes and Mobility Services, 8-9/12 Tel Aviv

Day I - Thursday, 8 December 2016

Venue: The Israeli Meteorological Service Auditorium, Bet Dagan

shuttle bus will leave the Grand Beach hotel at 08:30

9:15 Opening notes

Shai Soffer, MOT Chief Scientist

9:30 – 10:20 Justice and Safety in Transportation

Karel Martens Transport Justice: People-centered transport planning

Shalom Hakkert Safe Transportation System

10:20 – 11:00 Current research projects

Yuval Hadas, Boaz Ben Moshe: Bluetooth-Low-Energy based System for Automatic Public-Transport passengers' Movement data collection

Moshe Givoni, Eda Beyazit: The use of state-of-the-art transport models by policymakers – how worthwhile is it?

11:00 – 11:20 Coffee Break

11:20 – 11:50 ADAPT-IT (Analysis and Development of Attractive Public Transport through Information Technology)

Hend Manasra and *Tomer Toledo*: Real Time operations of transit lines with transfers

12:00 – 13:00 Session 1 on SMART-PT (Smart Adaptive Public Transport)

Andrey Shabalov, Eran Ben Elia, Bella Dmitrieva, Golan Ben-Dor and *Itzhak Benenson*: Genetic algorithms for establishing Smart Public Transport

Glenn Cich, *Luk Knapen*, Jan Vuurstaek, Ansar-UI-Haque Yasar and Tom Bellemans: Demand-Responsive Transport Simulation for Thin Flows

13:00 – 13:45 Lunch Break

13:45 – 14:45 Session 2 on SMART-PT

Joschka Bischoff, Michal Maciejewski and Kai Nagel: Autonomous taxis and their integration into a public transport system

Mohammad Saleem and Gunnar Flötteröd: Smart Public Transport for Stockholm

14:45 End of Day 1 (shuttle bus back to GB hotel)

15:00 SMART-PT Project Meeting (by invitation only)

19:00 Dinner in Old Jaffa (Venue Kalamata, 10 Kikar Kdumim, see factsheet)

Day II - Friday, 9 December 2016

Venue: Yad-Avner Building, 10 Zelig St., Tel Aviv

Depart GB hotel at 7AM (see factsheet)

08:00 – 09:00 Autonomous Vehicles

Chana Haboucha, Robert Ishaq and Yoram Shiftan: User preference regarding Autonomous Vehicles

Michal Maciejewski, Joschka Bischoff and Kai Nagel: Real-time dispatching and charging of large fleets of electric autonomous taxis

09:00 – 09:15 Coffee Break

09:15 – 10:45 Big Data

Yongping Zhang and *Karel Martens*: Identifying group travel behavior with public transit smart card data

Catherine Morency, Martin Trépanier, Nicolas Saunier, Hubert Verreault and Jean-Simon Bourdeau: Understanding the interactions between Bikesharing, Taxi and Transit using Passive data streams and data mining techniques

Maria Kamargianni, Melinda Matyas, Sridhar Raman, Fang Zhao, Francisco Pereira and Moshe Ben-Akiva: Big Data Collection using Smartphone Based Surveys and Open APIs: the Future Mobility Sensing for London

10:45 – 11:00 Coffee Break

11:00 – 12:00 Key Note Prof. Kay Axhausen ETH Zurich: Social networks and their travel impacts

12:00 – 13:00 Lunch Break

13:00 – 14:30 Carsharing and Ridesharing – Session 1

Susan Pike and *Regina Clewlow*: On-demand ride-services and travel modalities

Rosaria Berliner and Gil Tal: New Shared Mobility Services are Lifting Off: An Exploration of New Shared Mobility and Its Impact on Travel

Fanchao Liao, Eric Molin, Harry Timmermans and Bert van Wee: Potential of carsharing in reducing car ownership and increasing electric vehicle use

14:30 – 14:45 Coffee Break

14:45 – 15:45 Carsharing and Ridesharing – Session 2

Susan Grant-Muller and Frances Hodgson: Influencing choices towards the shared Public Transport (bus) mode: evaluating the success of positive incentives schemes.

Gil Tal:: Exploring The potential of a Performance-Based Road Pricing to Improve the Efficiency of Shared, Automated, and Electrified Mobility

15:45 – 16:00 Symposium wrap up: Prof. Itzhak Benenson, Tel Aviv University

16:00 Return to hotels – free evening in Tel Aviv

Day III - Saturday, 10 December 2016

Social excursion to the Dead Sea and visit to Kaser al Yahud baptising site and the archaeological World-Heritage site of Masada. Details in the travel factsheet. Bus will depart from the GB hotel at 8:00 AM. Bring hat, sunscreen, swim-suite, towel, snacks and water.