



2014 Intelligent Transportation Systems Research Day

Organized by

University of Toronto Transportation Research Institute, and
Faculty of Transport, Warsaw University of Technology

at

University of Toronto ITS Centre and Testbed
Toronto, 4.12.2014

9:00 Polish Delegation Arrives: Meet and Greet (Wallberg 215)

9:30-11:15: Warsaw-Toronto ITS Collaboration Initiative (Wallberg 215)

9:30 Welcome: Civil Dept. Chair, Prof. Brent Sleep; UTTRI Director, Prof. Eric Miller

9:45 Prof. Eric Miller, Overview of the University of Toronto Transportation Research Institute

10:00 Prof. Marianna Jacyna, Deputy Dean of Faculty of Transport, Warsaw University of Technology, Overview of Faculty

10:15 Prof. Mirosław Siergiejczyk and Dr. Marek Litwin, ITS Cluster: ITS in Poland and the National ITS Competence Centre:

10:45 Dr. Florin Codrut Nemtanu, ITS Romania, ITS in Romania

11:00 Paweł Gora, Faculty of Mathematics, Informatics and Mechanics, University of Warsaw Large-scale traffic simulation and ITS applications

11:20 Prof. Marianna Jacyna, Prof. Markus Bussman, MOU Signing

11:30 Ms. Katarzyna Kacperczyk, Undersecretary of state MFA, Smart European Cities

12:00 Lunch for WUT & UofT Delegates (ITS Lab)

1:00-5:00: ITS Research Session (Galbraith 303)

1:00 Panel on Current ITS Practice in the GTA, Moderator, Eve Wyatt, Policy and Planning, Metrolinx

Stephen Erwin Head, Intelligent Transportation Systems, MTO

Anthony Iannucci, Chief Information Officer, TTC

Bruce Zvaniga Director Transportation Services, City of Burlington

2:00 Dynamic Traffic Management

- Managing Congestion in Real Time: Approach Introduction: Baher Abdulhai
- MARLIN – Self Learning Adaptive Traffic Signal Control: Samah El-Tantawy
- Self-Learning Adaptive Ramp Metering: Kasra Rezaee
- Dynamic Congestion Pricing: Aya Aboudina

3:00 Coffee break (ITS Lab)

3:30 Transit ITS Research at UofT

- Integrated Microsimulation Modelling of Crowd and Subway Network Dynamics For Disruption Management Support, Siva Srikukenthiran
- Business Intelligence Analytics for Transit Service Planning – Case Study of London Transit Commission, Alec Knowles

4:00 Additional Topics in ITS

- The Role of Unmanned Aerial Vehicles in Future Urban Environment: Angela Schoellig, UTIAS
- ONE-ITS and Connected Vehicle & Smart Infrastructure Platforms: Ali Tizghada & Hossam Abdelgawad
- A Dynamic Traffic Assignment Model for the GTA: Hossam Abdelgawad
- Connected Vehicles: Assessment of Mobility, Safety and Environmental Benefits of Connected and Automated Vehicles: Arash Olia

5:00 Closing Remarks: Baher Abdulhai & Marek Litwin