

# Program of the 4th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS 2015)

03.06.2015, Wednesday

9:30-10:30	plenary session - Tea room		
	István Varga (BME - Budapest University of Technology and Economics, dean of faculty) Opening and Welcome		
	László Sándor Kerényi (BKK - Centre for Budapest Transport, Head of Transport Strategy) ITS developments in public transport of Budapest		
	coffee break		
11:00-13:00	Tea room	Gobelin room	Kave room
	social networks and travel behaviour (Pnina Plaut)	transport modeling 1 (Gaetano Fusco)	location data based applications 1 (Francesco Viti)
	Ruth Conroy-Dalton (Northumbria University) Wayfinding as a social activity	Gennaro Nicola Bifulco (University of Naples Federico II) The impact of the leading vehicle type on car-following behaviours	Oliver Michler (Technical University Dresden) Model-based and empirical performance analyses for passenger positioning algorithms in a specific bus cabin environment
	Amalia Polydoropoulou (University of Aegean) The influence of social networks on modeling travel behavior: opportunities and challenges	Anahita Jamshidnejad (Delft University of Technology) An iterative procedure for estimating the generalized average speed using microscopic point measurements	Joschka Bischoff (TU Berlin) Analysis of Berlin's taxi services by exploring GPS traces
	Cesare Bartolini (University of Luxembourg) An overview of the limitations to the dissemination of data	Marcello Montanino (University of Naples) Parameter sampling strategies in traffic micro-simulation	Guido Cantelmo (University of Luxembourg) Assessing The Consistency Between Observed And Modelled Route Choices Through GPS Data
	Andor Háznagy (BME - Budapest University of Techn.) Complex network analysis of public transportation networks: a comprehensive study	András Mihály (BME - Budapest University of Techn.) Look-ahead cruise control design in Vissim simulation environment	Panagiotis Iordanopoulos (Hellenic Institute of Transport) Impacts of Advanced Traveler Information Systems: The Case of the city of Patras
	lunch		
14:00-15:30	transport modeling 2 (Vincenzo Punzo)	location data based applications 2 (Marialisa Nigro)	traffic monitoring 1 (Oliver Michler)
	Ioulia Markou, C. Antoniou (National Technical University of Athens) Developing insight into effective SPSA parameters through sensitivity analysis	Michal Certicky (Czech Technical University in Prague) Fully Agent-based Simulation Model of Multimodal Mobility in European Cities	Banihan Gunay (Transport at Akdeniz University) Area-wide ANPR coverage with a small number of instrumented vehicles
	Vittorio Marzano (University of Naples Federico II) A Kalman filter for online quasi-dynamic o-d flows estimation/updating	Klaas Friso (DAT Mobility) Enriching the transport model of the Rotterdam region by cell phone data	J. Raghothama, M.R. Carretero (KTH - Royal Institute of Technology) Architectures for Distributed, Interactive and Integrated Traffic Simulations
	Bojan Kostic (Sapienza University of Rome) Using Traffic Data of Various Types in the Estimation of Dynamic O-D Matrices	Simone Aniello Di Donna (University of Luxembourg) A Markov chain dynamic model for trip generation and distribution based on CDR	Marek Bauer (Cracow University of Technology) The Methodology Of Urban Transport Corridors Evaluation
	coffee break		
16:00-17:30	vehicle energy optimization (Gaetano Fusco)	location data based applications 3 (Francesco Viti)	traffic monitoring 2 (Oliver Michler)
	Mario Krumnow (Technical University Dresden) Energy-efficient Routing Strategies based on real-time data of a local traffic management center	Adrian C. Prelipcean (KTH - Royal Institute of Technology) Comparative framework for activity-travel diary collection systems	Marialisa Nigro (Università degli Studi Roma Tre) Analysis of the demand for an electronic advise of traffic code violations
	Johannes Asamer (AIT - Austrian Institute of Technology) The elevation factor: digital elevation model quality and sampling impacts on electric vehicle energy estimation errors	Domokos Esztergár-Kiss (BME - Budapest University of Techn.) Simulation results for a daily activity chain optimization method	Tamás Lovas (BME - Budapest University of Technology and Econ.) Pedestrian detection by profile laser scanning
	András Mihály, Zoltán Ádám Milacski (Eötvös Loránd University) Cost and risk sensitive decision making and control for highway overtaking maneuver	Michael Behrisch (DLR - German Aerospace Center) Modelling and Simulating Bluetooth-based Moving Observers	Domonkos Varga (SZTAKI) Pedestrian detection in surveillance videos based on CS-LBP feature
19:00	gala dinner (Danube palace)		

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04.06.2015, Thursday

9:30-10:30	plenary session - Tea room		
	<p style="text-align: center;">Guido Gentile (Sapienza University of Rome)</p> <p style="text-align: center;"><b>Challenges in model based traffic prediction for real-time mobility management applied to large networks</b></p>		
	coffee break		
11:00-13:00	<i>Tea room</i>	<i>Gobelin room</i>	<i>Kave room</i>
	<b>traffic modeling and estimation 1 (Gennaro Nicola Bifulco)</b> G. Fusco, C. Colombaroni, N. Isaenko (Sapienza University of Rome) <b>Short-term traffic predictions on large urban traffic networks: applications of network-based machine learning models ...</b>	<b>public transport optimization 1 (Balázs Horváth)</b> Felix Burmeister (DLR - German Aerospace Center) <b>Optimized energy management of inductively charged electric buses reflecting operational constraints and traffic conditions</b>	<b>railway traffic optimization (Francesco Corman)</b> William Carvajal-Carreno (UPCOMILLAS-KTH) <b>Energy Efficient Driving Algorithms For Non-Disturbed And Disturbed Trains With The CBTC Signalling System</b>
	Tamas Tettamanti (BME - Budapest University of Techn.) <b>Traffic speed prediction method for urban networks – an ANN approach</b>	Paolo Dell'Olmo (Sapienza University of Rome) <b>A new approach for train calendar description generation</b>	Nicolsa Sacco (University of Genoa) <b>A Modular Model to Schedule Predictive Railway Maintenance Operations</b>
	Ioulia Markou, Vasileia Papathanasopoulou, Constantinos Antoniou (National Technical University of Athens) <b>A demonstration of distribution-based calibration</b>	Jacek Oskarbski, Krystian Birr (Gdansk University of Technology) <b>The Average Speed Of Public Transport Vehicles Estimation Based On Data From Traffic Control System</b>	Camilla Baroncelli, Luigi Costalli (Aleph s.r.l.) <b>A model for attributing the responsibilities of delay propagation on railway networks</b>
	Mario Krumnow (Technical University Dresden) <b>Microscopic real-time traffic simulations to support Advanced Driver Assistance Systems</b>	Andreas Kretschmer (INAVET) <b>A concept of an energy optimal public transportation network</b>	Pengfei Sun (IFSTTAR) <b>A Model Pattern of Railway Interlocking System by Petri Nets</b>
	lunch		
14:00-15:30	<b>traffic modeling and estimation 2 (Guido Gentile)</b>	<b>public transport optimization 2 (Paolo Dell'Olmo)</b>	<b>road transport communication 1 (Mario Krumnow)</b>
	Maximilian Leodolter (AIT - Austrian Institute of Technology) <b>Estimating Travel Times from Static Map Attributes</b>	Balázs Horváth, Richárd Horváth (Széchenyi István University) <b>Estimation of sample size to forecast travel demand in urban public transport</b>	Raphael Riebl, Hendrik Jörn-Günther (Technische Hochschule Ingolstadt) <b>Artery - Extending Veins for VANET applications</b>
	Maarten Houbraken (Ghent University) <b>Real-time Traffic Monitoring by fusing Floating Car Data with Stationary Detector Data</b>	Cs. Csiszár, E. Nagy, D. Karádi (BME - Budapest University of Techn.) <b>Integrated Information Application on Mobile Devices for Air Passengers</b>	László Lengyel (BME - Budapest University of Techn.) <b>ICT In Road vehicles – The VehicleICT Platform</b>
	Joaquim Barros (University of Porto) <b>Short-term real-time traffic prediction methods: a survey</b>	Géza Katona (BME - Budapest University of Techn.) <b>Compare Ant-colony and Genetic algorithm and introduce their parallel implementations</b>	Felix Burmeister (DLR - German Aerospace Center) <b>Integrated Modelling of Business Processes and Real Time Communication for Public Transport</b>
	coffee break		
16:00-17:30	<b>traffic control and route choice (Guido Gentile)</b>	<b>public transport optimization 3 (Luca Quadrioglio)</b>	<b>road transport communication 2 (Mario Krumnow)</b>
	Rafal Kucharski (Politechnika Krakowska) <b>Observing rerouting phenomena in dynamic traffic networks</b>	Károly Farkas (BME - Budapest University of Techn.) <b>Simulation Environment for Investigating Crowd-sensing Based Urban Parking</b>	Zsolt Szalay (BME - Budapest University of Techn.) <b>ICT In Road Vehicles – Reliable vehicle sensor information from OBD versus CAN</b>
	Wei Huang (KU Leuven) <b>An integrated approach to adaptive anticipatory traffic control and parameter estimation</b>	Mohammad Maghrour Zefreh (BME - Budapest University of Techn.) <b>Maneuvers analysis of shared taxi and their effects on flow characteristics</b>	Tamás Bécsi (BME - Budapest University of Techn.) <b>Security Issues and Vulnerabilities in Connected Car Systems</b>
	Guido Cantelmo (University of Luxembourg) <b>Systematic Assessment Of Local &amp; Global Signal Control Policies: A Methodological Perspective</b>	Meng Meng (Nanyang Technological University) <b>Public Transit Coordination under Different Strategies between Operators</b>	Norbert Varga (BME - Budapest University of Techn.) <b>LDM-based dynamic network discovery and selection for IPv6 mobility management optimization in C-ITS environments</b>
19:00	conference dinner (panorama boat trip)		

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05.06.2015, Friday

	<i>Tea room</i>	<i>Gobelín room</i>	<i>Kave room</i>
9:00-10:30	<b>traffic emission and control (Stefano Carrese)</b> Michael Behrisch (DLR - German Aerospace Center) <b>Comparing Emission and Traffic Flow models of different categories</b>	<b>transport policy management 1 (Banihan Gunay)</b> Tiago Azevedo (University of Porto) <b>A State-of-the-art Integrated Transportation Simulation Platform</b>	<b>air traffic management (Dario Pacciarelli)</b> Marcella Sama (Università degli Studi Roma Tre) <b>A variable neighborhood search for optimal scheduling and routing of take-off and landing aircraft</b>
	Bernhard Heilmann (AIT - Austrian Institute of Technology) <b>An Assessment of VMS-Rerouting and Traffic Signal Planning with Emission Objectives in an Urban Network</b>	Csaba Csiszár, Zolt Sándor (BME - Budapest University of Techn.) <b>Modelling and Analysis Methods of Integrated Information Systems of Transportation</b>	Marina Sergeeva (École Nationale de l'Aviation Civile) <b>3D Airspace Sector Design by Genetic Algorithm</b>
	Alper Öner (Istanbul Technical University) <b>A Case Study in Istanbul E-80: Intelligent Speed Change at the Highway for Gas Emission</b>	Zsolt Berki (FOMTERV) <b>Tackling sustainable urban transport policy measures in transport models</b>	Zoltán Schváb, Rita Markovits-Somogyi (HungaroControl) <b>Reopening the Kosovo Upper Airspace: Analyzing the first year of operations</b>
	coffee break		
11:00-12:30	<b>traffic modeling and assessment (Michael Behrisch)</b> Zoi Christoforou (Université Paris Est) <b>A Transit Bottleneck Model for Waiting Passengers and its Implications for Traffic Assignment</b>	<b>transport policy management 2 (Banihan Gunay)</b> Bertalan Gaál (Széchenyi István University) <b>Status of Land Use and Transport Modelling in Hungary</b>	<b>transport logistics and economics (Dario Pacciarelli)</b> Francesco Corman (Delft University of Technology) <b>Optimizing hybrid operations at large-scale automated container terminals</b>
	Tamás Mátrai (BME - Budapest University of Techn.) <b>How can a transport model be integrated to the strategic transport planning approach – A case study from Budapest</b>	István Fütyü (BME - Budapest University of Techn.) <b>Conceptual analysis of ITS effect on SCGE models</b>	Stefano Carrese, Valerio Cuneo (Università degli Studi Roma Tre) <b>A Cost Evaluation Analysis For Naval Accessibility To Sardinia And Corsica</b>
	Miklós Bánfi (BME - Budapest University of Techn.) <b>PROSPECT - Proactive Safety for Pedestrians and Cyclists</b>	János Monigl (FOMTERV) <b>e-Payment as an Efficient Management Tool for Public Transport</b>	Ferenc Cselle (FOMTERV) <b>The Hungarian national freight transport model</b>
	short break		
12:40-13:30	<b>plenary session - Tea room</b>		
	Tamás Móricz (HC Linear IT Development Ltd) <b>Vektor System – the complex solution</b>		
	Imre Pechan (evopro Innovation Kft) <b>Dynamic Railway Diagnostic Measurement System</b> István Wahl (evopro Bus Kft) <b>Modularly Built Composite Structured eBus Family</b>		
	lunch		
14:30-16:30	<b>BME campus</b>	<b>BME campus</b>	<b>BKK center</b>
	<b>traffic control lab - group 1</b> (Péter Gáspár)	<b>simulator lab - group 2</b> (Zsolt Szalay, Dániel Rohács)	<b>BKK traffic management center - group 3</b> (János Tóth)
	<b>simulator lab - group 1</b> (Zsolt Szalay, Dániel Rohács)	<b>traffic control lab - group 2</b> (Péter Gáspár)	<b>BKK traffic management center - group 4</b> (János Tóth)