

Transport System Modeling

Session 1A

Multimodal Transportation Model for the Region of Munich

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Does Employment Suburbanisation in Germany lead to Travel-Reducing Commuting Patterns?

Markus Maciolek	Dortmund University of Technology	Department of Transport Planning	Germany
Christian Holz-Rau	Dortmund University of Technology	Department of Transport Planning	Germany
Dennis Guth	Dortmund University of Technology	Department of Transport Planning	Germany

The Evolution of Urban Mobility: Metropolitan Actors and Public Transport

Charlotte Giese	White sky Advanced Future Research		Germany
Thomas Hegemann	White sky Advanced Future Research		Germany

Traffic State Estimation

Session 1B

Urban Intersections in first order models with the Godunov scheme

C. P. I.J. van Hinsbergen	Delft University of Technology	Department of Transport and Planning	The Netherlands
C. M. J. Tampère	Katholieke Universiteit Leuven	Department of Traffic and Infrastructure	Belgium
J. W. C. van Lint	Delft University of Technology	Department of Transport and Planning	The Netherlands
Henk van Zuylen	Delft University of Technology	Department of Transport and Planning	The Netherlands

Short Term Estimation of OD Matrices and Traffic Streams in Urban Networks

Tobias Pohlmann	Technische Universität Carolo-Wilhelmina zu Braunschweig	Institute of Transportation and Urban Planning	Germany
Bernhard Friedrich	Technische Universität Carolo-Wilhelmina zu Braunschweig	Institute of Transportation and Urban Planning	Germany

Evaluating the Quality of Traffic Flow Based on Drivers' Perception

Timo Munk	BMW Group, München	Verkehrsmanagement	Germany
Markus Mailer	BMW Group, München	Verkehrsmanagement	Germany
Irina Matschke	BMW Group, München	Verkehrsmanagement	Germany

Environmental Traffic Management and Control

Session 2A

From Traffic Management to Environmental Traffic Management

Volker Diegmann	IVU Umwelt GmbH, Freiburg		Germany
Günter Gäßler	IVU Umwelt GmbH, Freiburg		Germany
Florian Pfäfflin	IVU Umwelt GmbH, Freiburg		Germany

Environment-responsive Traffic Control

Manfred Boltze	Technische Universität Darmstadt	Transport Planning and Traffic Engineering	Germany
Sven Kohoutek	Technische Universität Darmstadt	Transport Planning and Traffic Engineering	Germany

Emission Minimizing Traffic Control - Simulation and Measurements

Karin Hirschmann	Graz University of Technology	Institute of Highway Engineering and Transport Planning	Austria
Martin Fellendorf	Graz University of Technology	Institute of Highway Engineering and Transport Planning	Austria

Model-Based Traffic Control for the Reduction of Fuel Consumption, Emissions, and Travel Time

S. K. Zegeye	Delft University of Technology	Delft Center for Systems and Control	The Netherlands
B. de Schutter	Delft University of Technology	Delft Center for Systems and Control	The Netherlands
Hans Hellendoorn	Delft University of Technology	Delft Center for Systems and Control	The Netherlands
E. A. Breunese	Shell Nederland B. V.		The Netherlands

Floating Vehicle Data Session 2B

Investigating the Feasibility of Urban Link Travel Time Estimation Based on Probe Vehicle Data

Fangfang Zheng	Delft University of Technology	Department of Transport and Planning	The Netherlands
Henk van Zuylen	Delft University of Technology	Department of Transport and Planning	The Netherlands
Yusen Chen	Delft University of Technology	Department of Transport and Planning	The Netherlands

Vehicle Probes for Data Collection in Emerging Mega Cities in Asia

Reinhart Kühne	German Aerospace Center Berlin	Transportation Studies	Germany
Xiaoxu Bei	German Aerospace Center Berlin	Transportation Studies	Germany

Real Time Application for Traffic State Estimation Based on Large Sets of Floating Car Data

Florian Schimandl	Technische Universität München	Chair of Traffic Engineering and Control	Germany
Meng Zhang	Technische Universität München	Department of Cartography	Germany
Masria Mustafa	Technische Universität München	Department of Cartography	Germany
Liqu Meng	Technische Universität München	Department of Cartography	Germany

Investigation and Validation of Floating-Car-Data Speed Measurements in the Project Dmotion

Bernhard Nowotny	Arsenal Research, Wien		Austria
Martin Reinthaler	Arsenal Research, Wien		Austria
Robert Hildebrandt	GEVAS Software, München		Germany
Peter Maier	GEVAS Software, München		Germany
Florian Weichenmeier	GEVAS Software, München		Germany

Microsimulation and V2X-Communication Session 3A

Optimizing Traffic Control for Emission Reduction: the calibration of the simulation model

Jie Li	Hunan University/Delft University of Technology	Department of Transport and Planning	China/The Netherlands
Henk van Zuylen	Delft University of Technology	Department of Transport and Planning	The Netherlands
Yusen Chen	Delft University of Technology	Department of Transport and Planning	The Netherlands
Francesco Viti	Catholic University Leuven	Department of Traffic and Infrastructure	Belgium
Isabel Wilmink	TNO Bouw en Ondergrond		The Netherlands

Micro-Simulation Study of the Effect of Roadway Factors on Heterogeneous Traffic Flow on Intercity Roads

Shriniwas S. Arkatkar	IIT Madras	Transportation Engineering Division	India
V. Thamizh Arasan	IIT Madras	Head of Transportation Engineering Division	India

Microscopic Simulation of Car-To-Infrastructure Communication and Online Traffic State Estimation

Arne Kesting	Technische Universität Dresden	Institute for Transport and Economics	Germany
Martin Treiber	Technische Universität Dresden	Institute for Transport and Economics	Germany

Result Assessment for User Acceptance and Safety Evaluation on Motorways with I2V-Communication

Thomas Richter	Technische Universität Berlin	Institute of Land and Sea Transport Systems	Germany
Philipp Gilka	Technische Universität Berlin	Institute of Land and Sea Transport Systems	Germany

Traffic Signal Control Session 3B

Review of Adaptive Traffic Control Deployments in Larger Cities

Aleksandar Stevanovic	University of Utah	Department of Civil and Environmental Engineering	USA
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Evolutionary Algorithms for Traffic Signal Optimisation: A Survey

Holger Prothmann	Universität Karlsruhe (TH)	Karlsruhe Institute of Technology (KIT)	Germany
Hartmut Schmeck	Universität Karlsruhe (TH)	Karlsruhe Institute of Technology (KIT)	Germany

Application of High Resolution Traffic Signal Controller Data for Platoon Visualization and Optimization of Signal Offsets

Christopher M. Day	Purdue University West Lafayette	School of Civil Engineering	USA
Darcy M. Bullock	Purdue University West Lafayette	School of Civil Engineering	USA

Network Control Method MOTION: New Developments and Last Evaluation Results

Jürgen Mück	Siemens AG	I MO TS U PSC	Germany
Andreas Poschinger	Siemens AG	I MO TS R&D CE	Germany

Public Transport

Session 4A

Intelligent Transportation Solutions for Planning, Optimizing and Measuring Public Transport Performance

Robert L. Bertini	Portland State University	Department of Civil and Environmental Engineering	USA
Huan Li	Portland State University	Department of Civil and Environmental Engineering	USA
Ahmed M. El-Geneidy	McGill University, Montreal	School of Urban Planning	Canada

Assignment under Consideration of Seat Availability: An Application to London's Underground Network

Jan-Dirk Schmöcker	Tokyo Institute of Technology	Department of Civil and Environmental Engineering	Japan
Achille Fonzone	Imperial College London	Centre for Transport Studies	UK
Michael G. H. Bell	Imperial College London	Centre for Transport Studies	UK

Governance in Railway Systems

Florian K. Peschelt	FU Berlin	Otto-Suhr-Institut	Germany
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Transport Modeling and Travel Information

Session 4B

Travel Demand Models - Backbone for Intelligent Transport Systems (ITS)

Udo Heidl	PTV AG, Karlsruhe		Germany
Thomas Haupt	PTV AG, Karlsruhe		Germany

The Development of Travel Information Systems in Hong Kong

Mei Ling Tam	City University of Hong Kong	Department of Management Sciences	China
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An Approach to Personalized Route Planning Based on Fuzzy Sets

Amine Mokhtari	Université de Rennes 1	IRIS/ENSSAT	France
Olivier Pivert	Université de Rennes 1	IRIS/ENSSAT	France
Allel Hadjali	Université de Rennes 1	IRIS/ENSSAT	France

Panel Discussion on ITS for Larger Cities

Michael G. H. Bell	Imperial College London	Centre for Transport Studies	UK
Robert L. Bertini	Portland State University	Department of Civil and Environmental Engineering	USA
Fritz Busch	Technische Universität München	Chair of Traffic Engineering and Control	Germany
Henry Fan	College of Engineering, Singapore	Division of Infrastructure Systems and Maritime Studies	Singapore
Larry Head	The University of Arizona	Systems and Industrial Engineering Department	USA
Huapu Lu	Tsinghua University	Institute of Transportation Engineering	China
Henk van Zuylen	Delft University of Technology	Department of Transport and Planning	The Netherlands

Poster Presentations

First Intermodal Journey Planner in the Arab World

Liliane Abdul-Reda	Mentz Datenverarbeitung GmbH		Germany
Markus Alefeld	Mentz Datenverarbeitung GmbH		Germany
Hans-Joachim Mentz	Mentz Datenverarbeitung GmbH		Germany

Effects of Arrival Flow Uncertainty on Optimal Signal Control

Chang-Jen Lan	Town of Jupiter		USA
Xiaojun Gu	F. R. Aleman & Associates		USA
Sonny D. Abia	The Masters, LLC	Engineers & Contractors	USA

Urban Traffic Control in a Cooperative Environment: The Speed Profile Application

Francesco Alesiani	Mizar Automazione, Torino		Italy
Manuel Milli			Italy
			Italy

QFCD – A Microscopic Method for Measuring the Content Quality of Traffic Information

Klaus Bogenberger	TRANSVER GmbH, München		Germany
Martin Hauschild	BMW	Verkehrstechnik und Verkehrsmanagement	Germany

System for Dynamic Passenger Routing in Case of Incidence

Uwe Böhme	Technische Universität München	Chair of Traffic Engineering and Control	Germany
Antonios Tsakarestos	Technische Universität München	Chair of Traffic Engineering and Control	Germany
Frederik Nöth	Verkehrs-Aktiengesellschaft Nürnberg		Germany

Dmotion - Integrated Traffic Management by Alternative Route and Event-oriented Route Guidance

Timo Finke	Landeshauptstadt Düsseldorf	Amt für Verkehrsmanagement	Germany
Alexander Göbbels	PTV AG, Düsseldorf		Germany

Real-Time Simulation of Inner-City Pollution Levels: Software Models and Case Study

Ben Horsfield	Schorling & Partner, Vagen		Germany
Michael Schorling	Schorling & Partner, Vagen		Germany

More efficient traffic by quality assurance and new methods for Green Waves

Markus Mailer	BMW Group	Verkehrsmanagement	Germany
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Devices-in-the-Loop Approach – Traffic Simulation Meets Real Devices of Distributed V2I Applications

Thomas Otto	Universität Kassel	Department of Traffic Engineering and Transport Logistics	Germany
Robert Hoyer	Universität Kassel	Department of Traffic Engineering and Transport Logistics	Germany

Road Pricing Scheme Supported by Public Transport Busway Using Efficiency and Equity Evaluation

Ofzar Z Tamin	Institute Technology Bandung	Department of Civil Engineering	Indonesia
Muhammad Nanang Prayudyanto	Institute Technology Bandung	Department of Civil Engineering	Indonesia

Using VS-pCoq for Traffic State Estimation

Thomas Riedel	Verkehrs-Systeme AG, Winterthur		Switzerland
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Dynamic network control Bavaria - dNet Bavaria

Reiner Scharrer	Bayerisches Staatsministerium des Innern	Oberste Baubehörde	Germany
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Scenario-Based Planning of Traffic Management Strategies

Arnd Vogel	PTV AG, Karlsruhe		Germany
Peter Möhl	PTV AG, Karlsruhe		Germany
Christiane Theis	PTV AG, Karlsruhe		Germany
Peter Vortisch	PTV AG, Karlsruhe		Germany

Traffic state and forecast determination by coupling of a microscopic and macroscopic traffic flow model

Andreas Pottmeier	TraffGo Road GmbH, Krefeld		Germany
Joachim Wahle	TraffGo Road GmbH, Krefeld		Germany
Jörg Schönharting	TRC Transportation Research and Consulting GmbH, Essen		Germany
Stefan Wolter	TRC Transportation Research and Consulting GmbH, Essen		Germany