#### mobil.TUM 2018: Poster Session

Wednesday, June 13th, 15:15 – 16:15

### **Governance of Urban Mobility**

Impact of Sustainable Transport Interventions on Commuting in North Bristol, UK: lessons for the governance of peri-urban mobility

Caroline Bartle | University of the West of England

Perceptions of Students' representatives towards sustainable mobility on Spanish university campus

Cecilia Elizabeth Bayas Aldaz | Universidad Autónoma de Madrid

Better governance of urban mobility by exchange of experience and evaluation of best practices

Lucia Ilieva | CSDCS

Exploring German companies' and employees' perception of a tax-subsidized bicycle-leasing program that encourages cycling to work

Stefan Synek | Technical University of Munich

## **Modelling and Simulation of Urban Mobility**

- A method for the treatment of pedestrian trajectory data noise Constantinos Antoniou | Technical University of Munich
- Potentials of low-cost air quality sensors for assessment of road transport related emissions

Nihan Celikkaya | Technical University of Munich

- 7 Understanding commuting behavior between partners
  Bhuvanachithra Chidambaram | Technische Universität Dortmund
- Can travel time variability be ignored when solving the transit network design problem?

Inbal Haas | Leibnitz University Hannover

A time-use perspective on the out-of-home activities of older people in Hong Kong

Sylvia He | The Chinese University of Hong Kong

Congestion detection and diversion in coastal urban traffic

Methodology for societal travel cost estimation in urban road networks

Athanasios Koukounaris | University of Patras

- Microsimulation modeling for developing awareness of traffic signal operations best practices in India
  Vijay Kovvali | Institution Builders
- Strategic thinking for urban bus transport in India
  Vijay Kovvali | Institution Builders
- A tool for long-term predictions of road safety based on travel demand modeling, network characteristics and land uses
  Carlos Llorca Garcia | Technical University of Munich

Modeling multi-modal traffic in cities with a functional form representing the physical interactions of vehicles

Allister Loder | ETH Zurich

An operational application of a LUTI model: scenarisation process, implementation and results of a Tranus-based simulation model for the Urban Region of Grenoble.

Fausto Lo Feudo | Inria Grenoble Rhône-Alpes

Agent-based Modelling and Simulation of Tour Planning in Urban Freight Traffic

Kai Martins-Turner | TU Berlin

Quantitative analysis of future scenarios of urban mobility using agent-based simulation - A case study

Thorsten Neumann | German Aerospace Center (DLR)

The potential of sustainability of periurban areas in France: Lyon, Strasbourg, Mulhouse

Elise Nimal | EIFER

Dynamic modeling of vehicle purchases and vehicle type choices from national household travel survey data

Falko Nordenholz | German Aerospace Center (DLR)

Development of an interactive web application for accessibility modelling on the neighborhood level

Elias Pajares | Technical University of Munich

Monitoring urban accessibility for freight delivery services from vehicles traces and network modelling

Miriam Pirra; Angela Carboni | Politecnico di Torino

Addressing travel time and pedestrian safety issues along a congested corridor using microsimulation tool: A case Study of Bangalore, India.

Ankit Rai | Indian Institute of Science

Demand-dependent supply control on a linear metro line of the RATP network

Florian Schanzenbächer | RATP Paris

Car ownership: A joint model for number of cars and fuel types
Sevedehsan Sevedabrishami | Tarbiat Modares University

A copula based joint model to capture the interaction between mode and departure time choices in urban trips

Seyedehsan Seyedabrishami | Tarbiat Modarres University

A Framework for Assessing Use Cases of high and full Driving
Automation based on transport-related Experiences
Aggelos Soteropoulos | TU Wien

GIS-based modelling of fast-charging infrastructure at cityregional level

Tamer Soylu | KIT - Karlsruhe Institute of Technology

Dynamic congestion toll pricing strategies to evaluate the potential of route-demand diversion on toll facilities

Dimitrios Triantafyllos | Aimsun



Implementing homogenous behavioral groups for bicycle transportation in macroscopic transportation models

Alex van Dulmen | Graz University of Technology

## **Strategies for Sustainable Mobility Systems**

Planning for bicycles: examining planner's attitudes towards the cycling potential of the city

Tamara Bicalho | University of Porto

Options and Perceptions of Mobility Solutions in the Karlsruhe
31 Rural Area

Su-Min Choi | Fraunhofer ISI

Motivating the use of real-time multimodal travel planners: the role of users value, technophile and community resilience
Aliasghar Mehdizadeh Dastjerdi | Technical University of Denmark

Tomorrow's Cities: Towards livable cities with lower car densities

Katrin Dziekan | German Environment Agency

Perception of Drivers and Barriers in the Adoption of Cargo
Cycles by Private and Public Organizations in Germany
Johannes Gruber | German Aerospace Center (DLR)

Co-developing and Implementing Measures for a New Mobility for Municipalities through Interconnected Thinking & System Analysis

Gabriele Harrer-Puchner | Unternehmensberatung Harrer-Puchner

Dynamic traffic information for electric vehicles as a basis for energy-efficient routing

Lisa Kessler | Munich University of the Federal Armed Forces

How transit oriented land-use is related to accessibility? A study in Beijing

Guowei Lyu | University of Amsterdam

Identifying and understanding non-cyclists: Typology development for sustainable urban mobility

Johannes Mahne-Bieder | Ludwig-Maximilians-Universität München

Towards the inductive on-road charging system for electric buses: Inspection of the Hungarian electric mobility fleet
Réka Nádasi | Budapest University of Technology and Economics

The performance of planning hypothesis about urban-transport futures: the Light Rail in Granada

Miguel L. Navarro-Ligero | University of Granada

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42	Dynamic Autonomous Road Transit (DART) For Use-case Capacity More Than Bus Andreas Rau  TUM Create
43	Urban living labs fostering sustainable mobility planning in Munich Katrin Wagner   City of Munich

## **Transportation Data Analysis**

44	Uncovering trends and determinants of commuting patterns in academia: The case of the FEUP' students 2006, 2012 and 2017 Catarina Cadima   Research Centre for Territory, Transports and Environment (CITTA)
45	What kind of cyclist are you? Results of a survey-based typology of cyclists in Germany Angela Francke, Lisa-Marie Schaefer   TU Dresden
46	How an unexpected incident affects speed related driving performance measures Panagiotis Papantoniou   National Technical University of Athens
47	Exploring crash injury severity on urban motorways by applying finite mixture models Athanasios Theofilatos   National Technical University of Athens
48	Utilizing real-time traffic and weather data to explore crash frequency on urban motorways: A cusp catastrophe approach Athanasios Theofilatos   National Technical University of Athens
49	Quantifying the potential of electrification with large-scale vehicle trajectory data  Alphonse Vial   Delft University of Technology
	Brain Train or Brain Drain? The role of High-Speed Rail

accessibility for knowledge-intensive firms and regional

Event-caused anomalies in spatiotemporal Taxi passenger

Turning Ratio Estimation using Extended Cell Transmission

Fabian Wenner | Technical University of Munich

Michael Wittmann | Technical University of Munich

Model based Extended Kalman Filter at Intersections

demand: A case study in Munich

Huimin Zhang | Ed. Züblin AG

development.



# Transport Innovation and its Effects on Urban Systems

Designing urban areas using traffic simulations, artificial intelligence and acquiring feedback from stakeholders

Paweł Gora | University of Warsaw

Driverless cars, transport innovation, and urban economics: the danger of policy localization

William Riggs; Shivani Shukla | University of San Francisco

Exploring shared mobility services beyond the common-sense understanding: a combination of diachronic and spatial analysis based on case studies of Paris and London

Anna Voskoboynikova | ENPC

Analysis of the impact of automated lane changing behaviors on the capacity and safety of merge segments

Jie Zhu | Technical University of Munich