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 Alizaz | 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

Potential of low-cost air quality sensors for assessment of road transport related emissions
Nihan Celikkaya | Technical University of Munich

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
Bhuvanachithra Chidambaram | Technische Universität Dortmund

Methodology for societal travel cost estimation in urban road networks
Athanasiou 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 Transus-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-Tumer | 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 peri-urban 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
Seyyedehsan Seyyadabrahimi | Tarbiat Modares University

A copula based joint model to capture the interaction between mode and departure time choices in urban trips
Seyyedehsan Seyyadabrahimi | Tarbiat Modares 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 city-regional level
Tamer Soyru | KIT - Karlsruhe Institute of Technology

Dynamic congestion toll pricing strategies to evaluate the potential of route-demand diversion on toll facilities
Dimitrios Triantafyllou | 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
Tamar Bicalho | University of Porto

Options and Perceptions of Mobility Solutions in the Karlsruhe 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
Aliaaghar Mehizadeh Dastjerdj | Technical University of Denmark

Tomorrow’s Cities: Towards livable cities with lower car densities
Karin Dziikan | 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 Luy | 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
Transport Innovation and its Effects on Urban Systems

Model-based optimization of public charging infrastructure planning in rural areas
Tanja Niels | Munich University of the Federal Armed Forces

Dynamic Autonomous Road Transit (DART) For Use-case Capacity More Than Bus
Andreas Rau (TUM Create)

Urban living labs fostering sustainable mobility planning in Munich
Katrin Wagner | City of Munich

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)

What kind of cyclist are you? Results of a survey-based typology of cyclists in Germany
Angela Francke, Lisa-Marie Schaefer | TU Dresden

How an unexpected incident affects speed related driving performance measures
Panagiotis Papantoniou | National Technical University of Athens

Exploring crash injury severity on urban motorways by applying finite mixture models
Athanasios Theofilatos | National Technical University of Athens

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

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 connectivity for knowledge-intensive firms and regional development.
Fabian Wenner | Technical University of Munich

Event-caused anomalies in spatiotemporal Taxi passenger demand: A case study in Munich
Michael Wittmann | Technical University of Munich

Turning Ratio Estimation using Extended Cell Transmission Model based Extended Kalman Filter at Intersections
Huimin Zhang | Ed. Züblin AG