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<td>The future of transport and an ageing society</td>
<td>Disability and transport: considering the uniquely resourceful capability of people with disabilities, neurodiversity and caring responsibilities</td>
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<td>The seeds of competition in long-distance rail transport. Comparing the early open-access countries</td>
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Intelligent Mobility - Young Researchers’ Meeting and Posters

Session Chair: Peter Endemann, Regionalverband Frankfurt RheinMain, DE
An analysis of the importance for freight transport of the various Alpine Passes: currently and after the opening of the new planned railway lines
M. Lupi, A. Prasail, V. Stilittano, A. Farina, University of Pisa, Italy
A methodology for freight railway transport costs evaluation
D. Gattuso, G. C. Cassone, DIIES, Mediterranean University of Reggio Calabria, Italy
A new method for the investigation of the potential rail-road freight demand: methodological and applicative aspects
A. Nuzzolo, A. Coletti, L. Cissaili, A. Polimeni, University of Rome Tor Vergata, Italy

PORT
Session Chair: Martijn van der Horst, KLM Netherlands Institute for Transport Policy Analysis, NL
Port hinterland identification: a method based on transportation approach
G. C. Cassone, D. Gattuso, DIIES, Mediterranean University of Reggio Calabria, Italy
What impacts the productivity of Indian seaports?
N. Adler, Hebrew University of Jerusalem, IL; G. H. Hite, TU Dresden; S. Kumar, Hochschule Bremen City University of Applied Sciences and TU Dresden; H. M. Niemier, Hochschule Bremen City University of Applied Sciences, Germany
The impact of autonomous vehicles on port infrastructure requirements
R. Friedler, K. Bürnenmietz, Fraunhofer CML, Germany

SUSTAINABLE
Session Chair: Maria Leonor Domingues, Atkins, UK
Evaluation of potential impact of logistics centers on rail freight sector in Turkey
A. Cebeci, B. Dalkic H. Tuyedo-Yaman, METU, TR
A sustainable supply chain model for locating ICD/CFD - a case of SMEL, an Indian context
V. Mohan, A. Naser, National Institute of Technology Calicut; S. T. John, Visvesvarayithi College of Engineering and Technology, IN
Sustainable shipping in the maritime supply chain: a literature review
S. Abolfazl M. Shad, I. van Hassel, T. Vanelander, University of Antwerp, BE

Young Researchers’ and Practitioners’ Forum

AUTONOMOUS VEHICLES
Session Chair: P. Filutu Silvestri, University of Rome Tor Vergata, Italy
Modelling driver behaviour under increasing automation using a driving simulator: the AUTOFRONT project
A. Lobo, S. Ferreira, A. Couto, University of Porto, Research Centre for Territory, Transport and Environment, PT
A discrete choice model to evaluate the willingness to use autonomous vehicles
G. Cerrito, Sweco, Sweden

LARGE INFRASTRUCTURE PROJECTS
Session Chair: A. Gonzalez-Sancho, Sweco, UK
Nina Daskalayides, University of Liublima, SI
Assessing social impacts of transport infrastructure: a method with two case studies in Italy
F. De Fabiani, P. Cossutta, Politecnico di Milano, Italy
Highway infrastructures monitoring systems: where are we?
D. Zacchi, Jacobs Talia S.p.A., IT

INTELLIGENT MOBILITY - MANAGEMENT AND OPERATIONS
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INFRASTRUCTURE
Session Chair: Keyvan Rahmati, AECOM, UK
Cost-benefit analysis for assessing dynamic clustering benefits
A. Higson, A. Price, Lower Thames Crossing, UK
Assessing induced demand from new road capacity
Y. Khalil, W. Rennicks, Department for Transport, UK
Driving simulator tool for urban traffic planning using automated simulations and active learning
T. Langer, T. Meisen University of Wuppertal; T. Otte, A. Nasu, RWTH Aachen University, DE
Traffic light optimization through smart algorithms
L. Krol, Goudappel Coffeng; L. Peters, Rijkswaterstaat, NL

DRIVERS AND SAFETY
Session Chair: Samy Ghosh, AECOM, UK
Evaluation of a road safety education program with virtual reality and eye tracker system
D. Moe, I. Roche Cerani, I. Stroemo, Åmli Sundt Home, SINTEF Community; P. J. Wigm, Nord University, Norway
Driver’s behaviour changes with different LODs of road scenarios
G. Caruso, Y. Shi, I. Saved Ahmed, A. Ferraioli, B. Piga, L. Mussone, Politecnico di Milano, Italy
A method of processing eye-tracking data to study driver’s visual perception in simulated driving scenarios
Y. Shi, Y. Xu, A. Ferraioli, B. Piga, L. Mussone, G. Caruso, Politecnico di Milano, Italy

INFRASITRUCTURE
Session Chair: Samy Ghosh, AECOM, UK
Dual cycle path solution
P. K. Schäfer, L. Freyter, Frankfurt University of Applied Sciences and TU Dresden; H. M. Niemier, Hochschule Bremen City University of Applied Sciences, Germany
QOS factors with the greatest influence on drivers’ perception of roundabout safety. An analysis based on a survey in Greece
E. Damaskou, F. Kehagia, Μ. Pitsiava-Latinipoulou, A. Anagnostopoulou, Aristotle University of Thessaloniki, GR
The Diverging Diamond Interchange – is the UK ready?
S. Jones, D. Sucka, M. Salter, M. MacDonald, UK

Transport Economics, Finance and Appraisal

INFRASTRUCTURE
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OPTIMISM BIAS/APPRAISAL
Session Chair: John Sirait, Jacobs, UK
Optimism bias in transport projects throughout the business case development process
I. Stead, Department for Transport; A. Lead, A. Budzier, Defra Global Projects; H. S. Mack, Department for Transport, UK
Improving the process of transport infrastructure planning: developing an instrument to identify ex ante the likelihood of risk occurrence in transport infrastructure projects
E. Moschouri, T. Vanelslander, University of Antwerp, Belgium
Handling uncertainty in transport scheme appraisal
R. Harraw, K. Chapman, Department for Transport, UK
How can the UK government ensure that its economic appraisal system supports government policy to rebalance the economy?
M. Shepherd, S. Enever, Oxeza, UK

RAIL COMPETITION
Session Chair: Ben Coney, Imperial College London, UK
The seeds of competition in long-distance rail transport. Comparing the early open-access countries
P. Beria, S. Tolentino, V. Lunark, Politecnico di Milano, Italy; V. Paill, M. Krasnik, Masaryk University, CZ
Air competition for UK domestic rail journeys
A. Loven, Department for Transport, UK
Does competition suppress rail’s competitiveness?
C. Nuttall, W. Jiang, Atkins, UK
Open access competition in HSR in Europe: regulation as key driver of success
P. Coppola, Politecnico di Milano, Italy; A. Giuricin, M. Pellot, J. Mension, Transports Metropolitans de Paris, FR

Transport Models

SIMPLIFYING MODELS AND CLIENT FOCUS
Session Chair: Andrew Ramforth, Arup, UK
Modelling from the data face to the client face: automated data processing for repeatability, quality assurance and communication
M. Addyman, R. Morgan, Atkins, UK
Collaboration between professionals and decision-makers towards the integrated transport model of Poland
I. Kolodziej, J. Malanowska, Arup, PL
Opening up macroscopic transport modelling: an open source concept for Germany
M. Arzt, Reiner Lemoine Foundation, DE
Analyzing the consistency of traffic model results between regional traffic models and the strategic model of Flanders when sharing results of the destination-choice process
A. Vandoostee, J. De Coster, P. Van Houwe, MINT bv, BE

MODE CHOICE AND TRAVEL BEHAVIOUR MODELS
Session Chair: Marco Kouwenhoven, Significance, NL
Long-distance mode choice model estimation using mobile phone network data
A. Andersson, M. Borjesson, I. Kristofferson, VTNI Swedish National Road and Transport Research Institute; L. Engelson, Linköping University, SE; A. Dally, ITS, University of Leeds, UK
A new stated preference survey on mode and time period choice in Austria
R. Hössinger, F. Aschauer, A. Gühnemann, BOKU, AT; G. de Vries, TNO, NL; A. G. de Vries, Delft University of Technology, NL

NATIONAL TRANSPORT MODELS
Session Chair: David Siddle, Jacobs, UK
A model-based evaluation of long-distance transport policies and scenarios
P. Beria, S. Tolentino, A. Debernardi, E. Ferreria, G. Filipano, A. Bertolin, Politecnico di Milano, Italy
Challenges in Developing a Backbone for the National Transport Model at the UK Department for Transport
T. Kossoudou, M. Jay, Department for Transport, UK
Intelligent forecasting: using a new National Transport Model in England
B. Rummert, S. Law, Department for Transport, UK
The development of the integrated transport model of Poland: a robust tool for a competitive future
C. Keilen, T. Kaczor, E. Konieczny, D. Rafa, Arup Poland, PL
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