

| |
|---|
| <p>Tuesday 5 September 18.30 – 20.00 Pre-Conference Drinks <i>Location: ETC stand, Bovisa Campus Exhibition area in building BL27</i></p> |
|---|



| | |
|------------------------------|---|
| Wednesday 6 September | |
| Opening Session | <p>09.00 – 10.00 Welcome from the Association for European Transport (AET) Hermann Maier (Chair of AET)</p> <p>Conference Welcome Address Politecnico di Milano</p> <p>Guest speakers: Rosario Macario – New Mobility Patterns after Covid Mona Bjorklund, EU Commission</p> <p><i>Location: Aula Magna, building BL28</i></p> |

12.30 - 14.00 Driving Simulator of Politecnico (DRISMI) (booked places only)

| Stream | Session 1 10.30 – 12.30 | Session 2 14.00 – 16.00 | Session 3 16.30 – 18.00 |
|---|--|---|---|
| SPECIAL SESSION | | | <p><u>DIVERSITY MATTERS: CREATING AN INCLUSIVE CULTURE WITHIN AET</u> In this engaging session we will take a look at where we stand on Diversity within AET, we will explore the value of different voices and we will discuss strategies to advance Diversity and Inclusion within the association. All participants will have the opportunity to propose actionable steps to drive positive change, grow Diversity, and create an Inclusive Culture within AET.</p> |
| DATA | <p><u>DATA FOR MICRO-MOBILITY</u> Chair: Tobias Hagen Walking and cycling data - practice, challenges, needs and gaps M Weinreich, Ramboll and Chair of the Cycling Embassy of Denmark, DK A method for swift and cost-effective bicycle travel demand modeling M Hollestelle, R Chen, Ramboll, FI The potential for persuasive messaging to increase active travel in transport and health apps K Pangbourne, ITS, University of Leeds; H McCarthy, L Lawson, BetterPoints Ltd, UK</p> | <p><u>DATA ANALYSIS</u> Chair: Oliver Charlesworth Gender differences in travel experiences H Hook, Ghent University, BE Using cluster analysis to identify behaviorally homogeneous groups in multiple stages of the four-stage model N Reinfeld, T Hagen, Frankfurt University of Applied Sciences, DE Blind spots in mobility data I Kawgan-Kagan, AEM Institute; S Schwerdtfeger, Themenfeldleitung Mobilitaet; T Sattler, SIRIUS Consulting and Training AG, DE</p> | <p><u>DATA COLLECTION 1</u> Chair: Laurence Chittock Parking Search Time Prediction in Historical FCD and Future Journeys S Saki, T Hagen, Frankfurt University of Applied Sciences, DE Digital transformation of campuses: the role of HD maps K Aksu, H Demirel, R M Alkan, M Yanalak, Istanbul Technical University, TR An integrated framework of social media opinion mining and category system to analyse public opinion towards transportation technologies and services K C Xuefen, Y Ji, Y Shen, Land Transport Authority of Singapore, SG</p> |
| FREIGHT AND LOGISTICS (STREAM A) | <p><u>URBAN FREIGHT POLICY</u> Chair: Antonio Comi Digital interface to promote climate-friendly mobility concepts in freight transport L Fassnacht, D Knese, Research Lab for Urban Transport / Frankfurt UAS, DE Integration of emerging ICT and transport systems as a basis for city logistics in the context of smart cities F Russo, University of Reggio Calabria; A Comi, University of Rome Tor Vergata, IT</p> | <p><u>URBAN FREIGHT PLANNING</u> Chair: Valentin Carlan Electric vehicle charging infrastructure planning in context of parcel delivery service providers G Sierpiński, M J Kłos, M Staniek, Silesian University of Technology, PL How to integrate logistics requirements in the planning of urban quarters A Anderluh, St. Pölten University of Applied Sciences; J Fetka, Technische Universitaet Wien; G Illek, M Troppe, IFZ Graz, AT A planning approach towards cargo bikes diffusion: integrated solutions for logistics operators, retailers and households E Repetto, C Chiffi, G Galli, E Pastori, TRT Trasporti e Territorio, IT Urban mobility implications of last-mile delivery A Oliveira Mesquita, Z Matyusz, Corvinus University of Budapest, A Munkácsy, KTI Hungarian Institute for Transport Sciences and Logistics, HU</p> | <p><u>FREIGHT DECARBONISATION POLICY</u> Chair: Pieter van Houwe Understanding the distributional impacts of the low-carbon transition on transport workers: an interview study on the effects of electrification, digitalization, and automation J Gong, M Xylia, C Strambo, B Nykvist, Stockholm Environment Institute, SE UK freight decarbonisation from a multi-stakeholder perspective D Paddeu, G Parkhurst, University of the West of England, UK</p> |

| Stream | Session 1 10.30 – 12.30 | Session 2 14.00 – 16.00 | Session 3 16.30 – 18.00 |
|---|---|--|---|
| FREIGHT AND LOGISTICS (STREAM B) | | <p>DECARBONISING FREIGHT TRANSPORT (joint session with System Dynamics) Chair: Paul Pfaffenbichler Electrification of road freight transport. energy consumption and greenhouse gas emissions in generation 2 overhead line hybrid trucks L Bremer, E Kaßens-Noor, Technische Universität Darmstadt, DE Is there enough power for electrifying heavy transport? – forest industry transport as a case study A Pernestål, A Eriksson, A Werre, Skogforsk The Forestry Research Institute of Sweden and KTH Royal Institute of Technology; A Eriksson, A Werre, Skogforsk The Forestry Research Institute of Sweden, SE Investigation of system-level impacts of electrification on the road freight transport system: a System Dynamics approach Z Raoofi, A Pernestål, KTH Royal Institute of Technology; M Huge-Brodin, Linköping University, SE</p> | |
| GLOBAL TRENDS IMPACTING TRANSPORT | <p>PARTICIPATORY METHODS Chair: Jan Kiel Environmental impact and mobility behavior: Towards a more impactful representation E Grison, D Scheibelhofer, S Morgagni, SNCF, FR I can't take the train, it's too expensive: toward a cognitive analysis of mobility costs perception E Grison, A S Hacquin, S Morgagni, SNCF, FR Engaging citizens in exploring mobility futures G Lyons, D Paddeu, T Bozovic, University of the West of England; A Rothnie, Mott MacDonald, UK</p> | | |
| INTELLIGENT MOBILITY – MANAGEMENT AND OPERATION | <p>AUTONOMOUS DRIVING FOR DIFFERENT MODES Chair: Ines Kawgan-Kagan Demonstrating the relevance of automation for typical urban bus services through the MultiCAV project in Didcot (UK) G Parkhurst, University of the West of England, UK TRAIN: how do actors perceive value in truck platooning? A Lobo, S Ferreira, S P Duarte, CITTA; L Cunha, CPUP; C Neto, A Simões, Universidade Lusófona, PT</p> | <p>CHARGING ELECTRIC VEHICLES Chair: Colin Chick Factors influencing users' intention to adopt dynamic wireless charging facilities: evidence from a New Zealand survey R C Majhia, P Ranjitkara, M S Sheng, The University of Auckland, NZ Travel planner as a tool to support the decisions of local authorities in the field of electromobility development policy M Staniek, M J Kłos, G Sierpiński, Silesian University of Technology, PL Determining the future power grid connection needs for electric vehicle rapid charging on motorways and major roads C Sheehy, S Freeman, P Kapoor, Jacobs, UK</p> | <p>IMPACT OF DEMAND MANAGEMENT Chair: Sérgio Duarte Travel Demand Management – influencing customer behaviour during major incidents and events E Herreras-Griffiths, H Wrigley, Transport for London, UK Demand Reduction: impact on CO2 emissions and congestion H Taale, F Hofman, E Schol, R Leijs, Rijkswaterstaat; M Stemerding, J Birnie, Goudappel, NL Evidence on the effectiveness of policies to reduce car travel and what this means for policy packages for different geographies C Rohr, H Smith, F Dunkerley, N Frankland, Mott MacDonald; G Lyons, University of the West of England; G Marsden, University of Leeds; T Jarvis, P Cole, Transport for the North, UK</p> |
| LOCAL PUBLIC TRANSPORT | <p>BIG PICTURE Chair: Paul Hoad Public transport and sustainable mobility in Italy's recovery and resilience plan F Cirianni, C Rindone, University of Reggio Calabria; D Ianno, ATAM spa Public Transport Company, IT What is the bus for? – The role of objectives in determining the allocation of scarce resources I Macbriar, QV Associates, UK “Going by car is cheaper and faster” – perception of costs and travel time between car and public transport in Austria M Tuscher, J Wiedermann, WU Vienna, AT</p> | <p>LOW FARE POLICIES Chair: Gisela von Schlieffen Deutschlandticket: an analysis on change in demand and GHG emissions for variations of a nationwide valid tariff in German public transport W Schade, J Emmerich, C Scherf, R Oehme, M Streif, M-Five GmbH Mobility, Future, Innovation and Economics, DE Evaluation of the UK's £2 bus fare cap F Carpenter, Department for Transport; speakers from Frontier Economics and SYSTRA, UK The effectiveness of transport policy measures for climate protection: The Austrian “KlimaTicket” M Tuscher, A M Ulbricht, WU Vienna, AT</p> | <p>NETWORK DESIGN Chair: Niels van Oort Exploring the impacts of long-term service closures on subjective well-being J Lam, D Lu, E Diab, University of Saskatchewan, CA Centrality levels through public transportation networks: a comparison between Budapest and Vienna O Qasseer, A Munkácsy, KTI - Hungarian Institute for Transport Sciences and Logistics, HU How to achieve an equitable distribution of accessibility by evaluating and modifying public transport networks: a comparison of accessibility distribution principles in the Netherlands M van Luven, Goudappel; N van Oort, O Cats, M Bruno, TU Delft; M Kouwenberg, Vervoerregio Amsterdam, NL</p> |

| Stream | Session 1 10.30 – 12.30 | Session 2 14.00 – 16.00 | Session 3 16.30 – 18.00 |
|---|--|---|---|
| PLANNING FOR SUSTAINABLE LAND USE AND TRANSPORT (STREAM A) | <p><u>SUSTAINABLE TRANSPORT PLANNING 1</u> Chair: Michael Bach Increasing choices, not limiting them: Understanding the needs of everyone to establish better liveable neighbourhoods J Savickas, R Hiorns, Atkins, UK The Smart Sustainable Districts framework to improve mobility in cities: opportunities, tools and barriers A Colorni, P Coppola, A Luè, V Mazzeschi, V Paruscio, A Seghezzi, L Studer, M Tanelli, A Tumino, Politecnico di Milano, IT; J Stanković, University of Nis, RS Building mobility hub networks in Britain - can we do it better? K Carr, Jacobs, UK</p> | <p><u>SUSTAINABLE TRANSPORT PLANNING 2</u> Chair: Farshid Kamali UK practitioners' views on the past, present and future of urban mobility planning D Paddeu, G Lyons, K Chatterjee, T Calvert, University of the West of England, UK Exploring maximum sufficiency in passenger transport M Arnz, TU Berlin and Reiner Lemoine Institut gGmbH; A Krumm, Reiner Lemoine Institut gGmbH and Europa-Universitaet Flensburg, DE Connected places: Where does growth in England go? F O'Dowd, M van Schaik, M Picardi, Department for Transport, UK</p> | |
| PLANNING FOR SUSTAINABLE LAND USE AND TRANSPORT (STREAM B) | <p><u>PLANNING THE JUST CITY (JUM JOINT SESSION)</u> Chair: Giovanni Acciaro Planning for a more inclusive transportation system T Straatemeier, L van Frederikslust, Goudappel; H Voerknecht, Independent Consultant; S van der Slot, City of Amsterdam, NL A comprehensive analytical framework for justice in the planning and outcome of Transit-Oriented Development (TOD) K F Yip, S Ramezani, T Tillema, L Meijering, J Arts, University of Groningen, NL The Inclusive ±15-Minute City B Büttner, EIT Urban Mobility and TU Muenchen, DE; D Duran-Rodas, S Seisenberger, S Haxhija, A Rivas, TU Muenchen, DE; M T Baquero Larriva, Universidad Politecnica de Madrid, ES Co-designing an Atlas of Mobility (In)Justice D Duran-Rodas, S Haxhija, B Büttner, Technical University of Munich, DE; M Baquero Larriva, Universidad Politecnica de Madrid, ES</p> | <p><u>EQUITY AND INCLUSION</u> Chair: Benjamin Büttner Mechanisms of accessibility poverty in the Netherlands L Krabbenborg, G Uitbeijerse, A 't Hoen, KiM Netherlands Institute for Transport Policy Analysis, NL How to involve special needs groups in mobility research? a review of participatory methods concerning their contribution to accessibility, social inclusion and wellbeing H Marquart, K Stark, C Altmann, K Ngo, DLR, DE Sustainable transport for social equity: a systematic literature review of policy actions and societal initiatives D Celebi, C Tsirampidis, South East European Research Centre (SEERC), GR</p> | <p><u>ACCESS FOR ALL</u> Chair: James Odeck Access for all? an analysis of (in)accessibility to amenities and jobs in the Netherlands J Bastiaanssen, M Breedijk, Netherlands Environmental Assessment Agency, NL Towards age-friendly urban mobility: a 15-minute city for elderly citizens? W Verheyen, University of Antwerp; S Vermeiren, P Cools, AP University College, BE</p> |
| RAIL POLICY AND PLANNING | | | <p><u>OVERCOMING BARRIERS TO FORECASTING</u> Chair: Manuel Tao Why gravity models don't always work - the impact of changes in borders and political dispensations on the supply of and demand for rail and road transport: potential lessons for Europe from the case of the island of Ireland C Mac Aongusa, Independent Transport Planner, IE; A Smyth, Transport Analysis and Advocacy, UK A data driven approach to assessing the impact of exogenous factors on rail demand in Britain H Goold, S Boddy, AECOM, S Deng, Rail Delivery Group, GB An analysis of differences in rail, bus and car generalised journey time and associated values of travel time savings A Marsden, Department for Transport, UK</p> |
| SYSTEM DYNAMICS | <p><u>URBAN MOBILITY</u> Chair: Paul Pfaffenbichler Investigating the impact of micro mobility on mode share and accessibility with a system dynamic based model S N Fuady, Y O Susilo, P C Pfaffenbichler, University of Natural Resources and Life Sciences, AT Digitally supported minimobility concepts for urban electric mobility: a qualitative analysis of the potential for spatial and energy efficiency T Schönberger, German Federal Institute for Research on Building, Urban Affairs and Spatial Development, DE A systematic literature review of System Dynamics (SD) and Agent-based Modelling (ABM) in urban modelling A Farnoodahmadi, S Khorramisarvestani, U Eicker, Concordia University, CA Analyzing the impact of transportation infrastructure on mobility behavior in Peel Basin Urban Development using system modeling A Farnoodahmadi, U Eicker, C Cucuzzella, Concordia University, CA</p> | <p><u>DECARBONISING FREIGHT TRANSPORT (joint session with Freight and Logistics)</u> Chair: Paul Pfaffenbichler Electrification of road freight transport. Energy consumption and greenhouse gas emissions in generation 2 overhead line hybrid trucks L Bremer, E Kaßens-Noor, Technische Universität Darmstadt, DE Is there enough power for electrifying heavy transport? – forest industry transport as a case study A Pernestål, A Eriksson, A Werre, Skogforsk The Forestry Research Institute of Sweden, SE Investigation of system-level impacts of electrification on the road freight transport system: a System Dynamics approach Z Raoofi, KTH Royal Institute of Technology, M Hüge-Brodin, Linköping University, A Pernestål, KTH Royal Institute of Technology, SE</p> | <p><u>MOBILITY TRANSITION 1</u> Chair: Paul Pfaffenbichler A model-based impact assessment of shared taxis on public transport in Kingston, Jamaica N Tai, National Works Agency, JM; S Shepherd, G Harrison, University of Leeds, UK Mapping factors affecting the Mobility as a Service adoption: A system dynamics approach A Nikiforiadis, D Tsavdari, G Ayfantopoulou, Centre for Research and Technology Hellas - Hellenic Institute of Transport, GR Evaluation of Tax and Subsidies for BEVs Diffusion in the Japanese Automobile Market R Kakishima, H Kikuchi, A Fukuda, Nihon University</p> |

| Stream | Session 1 10.30 – 12.30 | Session 2 14.00 – 16.00 | Session 3 16.30 – 18.00 |
|---|---|---|---|
| TRANSPORT ECONOMICS, FINANCE AND APPRAISAL | <p><u>WIDER ECONOMIC IMPACTS: CONTINUAL EVOLUTION</u> Chair: Rimon Rafiah An empirical study along with economic viability analysis of the construction 24km long and 4 lane Dhaka Ashulia Elevated Expressway (DAEE) S Akter, ACE Consultants Ltd., BD Agglomeration after Covid – the potential impacts of remote working on agglomeration effects and the benefits of transport improvements D Simmonds, Allanfield Consulting; M Hamunen, I Stead, Department for Transport, UK Wider economic benefits of public transport investments: what is the role of displacement? J Kandt, University College London; A Montinaro, M Hamunen, I Stead, Department for Transport, UK</p> | <p><u>TRAVEL BEHAVIOURS: DURABILITY, IMPACT, FINANCES</u> Chair: John Siraut Is travel behaviour change durable? an approach through the notion of imperfect reversibility R Grimal, CEREMA, FR Measuring the impact of mobility measures in The Hague: traffic, liveability and economy N Dogterom, J Los, M Schreuders, Goudappel BV; R van der Meer, Gemeente Den Haag, NL Public revenues and expenses of transport in Hungary 2004-2021 I Kövesdi, KTI Hungarian Transport Institute for Transport Sciences and Logistics; B Horváth, Széchenyi István University, HU</p> | <p><u>REVIVING PUBLIC TRANSPORT – AN ECONOMIC APPROACH</u> Chair: Adriana Moreno-Pelayo Does the factor “cost” solve all the problems that a post-pandemic local public transport faces? N Schneider, A Helfers, L Fouckhardt, J Koch, C Sommer, University of Kassel, DE Public transport free at the point of use—would it be a good policy option? I Wright, Transport Focus; A Meaney, T Hogg, Oxera Consulting LLP, UK Enhancing Rail Engineering Access: From Disruption to Efficiency L Clover, P Meulendijk-de Mol, The Hub - Transport Advisory, UK</p> |
| TRANSPORT MODELS (STREAM A)  | <p><u>MICRO-MOBILITY</u> Chair: Bruno Villé Are commercial traffic simulators suitable for e-scooter modelling? Z Christoforou, K Stoumbou, Y Valero, University of Patras, GR Are route choice preferences stable over time? An analysis with revealed preference data from Budapest D Tordai, A Munkácsy, KTI Institute for Transport Sciences, HU Micro mobility in multi-modal modelling S Frost, COWI, DK; T Tørset, A Aakre, NTNU, NO</p> | <p><u>REDUCING TRAFFIC DEMAND</u> Chair: Michael Mahut A full micro-simulation approach to parking in the ABM-framework: implementation in Ghent model B Villé, J De Coster, A Verheijen, A Vanclooster, MINT; K Verlinden, Significance, BE Using an activity based modelling approach to estimate trips that could switched to sustainable modes and test scenarios to achieve the best outcome C Teye, K Blair, E Lewicka, H Groot, C Buckingham, S Nielsen, Transport for London, UK</p> | <p><u>HOW DO WE ACHIEVE NET-ZERO?</u> Chair: Arnd Baetzner Traffic Emission Dashboard T Sihvola, R Chen, R Ilmola, M Kivari, Ramboll; J Talvi, City of Vassa, FI Towards a GHG-neutral German transport sector modelling possible pathways and scenarios T Mocanu, D Seibert, F Koller, A Putatunda, DLR, DE</p> |
| TRANSPORT MODELS (STREAM B)  | <p><u>MODELLING CITIES AND REGIONS</u> Chair: Wolfgang Scherr The application of the Harmony Model Suite to the Turin pilot city F Fermi, F Chirico, L Zani, TRT Trasporti e Territorio srl, IT; I Tsouros, A Tsirimpa, MobyX, GR; M Kamargianni, University College London, UK 5 years of strategic Agentbased Modelling in Flanders: from wonderyears to daily wisdom K Verlinden, Significance, BE STEAM+ a modelling suite for the 21st century A Bin-ehaq, B Paladugu, Integrated Transport Centre Abu Dhabi, AE; T Beech, Jacobs, UK; A Contenti, Jacobs, IT Superblock implementation in an agent-based simulation for the case of Vienna J Müller, M Straub, M Stubenschrott, AIT Austrian Institute of Technology, AT</p> | <p><u>MODELLING WALKING, CYCLING AND PUBLIC TRANSPORT</u> Chair: Gaurav Vyas Active Mode Microsimulation Modelling and Assessment P Arnold, J Pardo, O Jacob, AECOM, UK Modelling pedestrians and cyclists in a shared space environment R Ahmed, B Little, Arup, UK Current and best practice in public transport assignment modelling to inform emerging Department for Transport guidance F Khaku, Arup; G Sala, Systra; N Sari, T Tanoz-Sargeant, C Moore, Department for Transport, UK</p> | <p><u>ESTIMATION AND SAMPLING</u> Chair: Filippo Contiero The possibilities to increase destination choice model accuracy of activity-based models with machine learning I Rahnasto, M Hollestelle, Ramboll, FI New insights into sampling of choice alternatives and individuals in travel model estimation, calibration, and application P Vovsha, G Vyas, M Hasnat, Bentley Systems, US Econometric choice modelling for long-term mandatory activity locations as part of an agent-based microsimulation P Tsoleridis, Arup, UK</p> |

| | | | |
|---|--|---|--|
| YOUNG RESEARCHERS' AND PRACTITIONERS' FORUM | <p>RESHAPING CITIES Chairs: Alba de Juana and Federico Messa E-scooters and bicycle sharing: solving the last mile problem Z Berezvai, B Bakó, Corvinus University of Budapest, HU Mobility plans in practice – the implementation of strategic transport planning tools in medium-sized cities and their relevance for policies and actions M Birk, J Grobe, RWTH Aachen University, DE Incorporating background traffic into MATSim for accurate mobility behavior simulation: a case Study of Frankfurt/Main Region Y Mashayekhy Fard, A Babaei, T Hagen, M Sunder, University of Frankfurt, DE</p> | <p>CITIES AND MODELLING Chairs: Orgerta Zeqo and Dalia Zecchi Automated transport modelling for Norwegian infrastructure projects O Vestøl, Ramboll, NO A novel approach in the development of synthetic populations for STEAM - Abu Dhabi's strategic transport model D Spyropoulou, T Beech, Jacobs UK; B Paladugu, A Bin-eshaq, Integrated Transport Centre Abu Dhabi, AE Using a grid approach for modeling the spatial distribution of air pollution in an agent-based traffic simulation of the Rhein-Main Region A Babaei, Y Mashayekhy Fard, M Sunder, T Hagen, University of Frankfurt, DE</p> | <p>RAIL SERVICES AND STATIONS Chairs Sabina Pulawska and António Lobo Designing pedestrian accessibility to railway station M Trolese, L Pirolo, Politecnico di Milano, IT Benchmarking urban rail systems: a method based on variable input productivity with an application to EU cities L Castagna, P Coppola, Politecnico di Milano, IT</p> |
| 18.05 Bicycle Tour (from Bovisa to Central Milan, please meet at registration desk 17.55) <i>(booked places only)</i> | | | |
| 18.15 - 19.15 Transport and Mobility Forum debate (Location: La Collina), followed by: 19.00 – 20.00 Welcome Reception (Location: La Collina Terrace) | | | |