	Friday 8 September				
	13.00 - 14.00 Driving Simulator of Politecnico (DRISMI) *(booked places only)* *Location: Politectnico di Milano building B8*				
Stream	Session 8	09.30 - 11.00	Session 9	11.30 - 13.00	Session 10 14.00 - 16.00
AVIATION	**COVID, SPATIAL PLANNING AND NETWORK ROUTE PLANNING** Chair: Johnny Ojeil **Optimal airline route network planning model** D D Lakmanaarachchi, P Andreadis, NextGen Data Expolrations, Lufthansa, DE **International travel restrictions: were they an effective tool in combatting the spread of the COVID-19 pandemic?** C Baye, Oxera Consulting LLP, FR; H Seidel, A Oedegaard,Oxera Consulting LLP, UK; E Cruset Pla, Oxera Consulting LLP, NL, **The role of airports in spatial planning and regional development** J Martins, Á Costa, CITTA / FEUP, PT			
DATA	**DATA FOR ACCESSIBILITY** Chair: Laurence Chittock **Building a bespoke accessibility tool by using open data platforms – challenges of implementing a prototype** C Kelen, E Whittaker, D Hanney, Sweco, UK **The MDI Platform as a tool for the improvement of the accessibility of public transport systems** L Benzi, T Hatzakis, F Brinkmann, T Bridge Spa, IT		**DATA COLLECTION 3** Chair: Rimon Rafiah **Digitizing travel experience: assessing, modeling and visualizing the experiences of travelers in shared mobility services** K Ihme, T Christ, F Walocha, M Scholz, D Käthner, M Lau, S Bohmann, A Milot, E Grunewald, E Bosch, German Aerospace Center, DE **Virtual reality and physiological measures for autonomous vehicle user data collection** P Anciaes, M Kamargianni, University College London, UK		**CASE STUDIES AND SAFETY** Chair: Keith Homer **TomTom data applications for the assessment of tactical urbanism interventions: the case of Bologna** M Pozzoni, G Ceccarelli, A Gorrini, Fondazione Transform Transport ETS, IT; L Manenti, L Sanfilippo, A Brignone, citiEU Consultancy Ltd, UK **Video analytics for understanding pedestrian mobility patterns in public spaces: the case of Milan** L Lorgna, G Ceccarelli, A Gorrini, M Ciavotta, Fondazione Transform Transport ETS, IT **How Data can help the Mobility Transition and how to help Public Administrations with Data** J van der Made, Capgemini, NL
FREIGHT AND LOGISTICS	**URBAN FREIGHT SIMULATION (joint session with System Dynamics** Chair: Jan Francke **Investigating the relationship between e-shopping and in-store shopping in a post pandemic world: a multivariate analysis** F Piras, G Fancello, University of Cagliari; A Comi, "Tor Vergata" University of Rome, IT **Using simulation to explore city logistic use cases for Rotterdam** M de Bok, S Thoen, S Giasoumi, Significance; L Tavasszy, A Nadi, TU Delft; J Streng, City of Rotterdam, NL **City hubs system dynamics model – a case study in Stockholm** C Andruetto, J Mårtensson, A Pernestål, KTH Royal Institute of Technology, SE		**URBAN FREIGHT SUSTAINABILITY** Chair: Daniela Paddeu **Last mile in e-commerce: A model for calculating its sustainability cost** I González Romero, J C Prado Prado, Universidad de Vigo, ES **Sustainable crowdsourced on-demand delivery: balancing performance, cost, and environmental impacts** M D Simoni, KTH, SE **UnLock4All – accessible white label parcel stations for efficient transport and logistics and high service quality** E Fuerst, WU Vienna; G Lamprecht, HGBS GmbH., AT		**FREIGHT MACRO FLOWS** Chair: Jan Kiel **Analysis of the European intermodal rail freight market** G Kool, H Friedrich, Kühne Logistics University Hamburg, DE **The history of the future in freight forecasting** J Francke, KiM Netherlands Institute for Transport Policy Analysis, NL **Digital Capability Maturity: a model to understand smart port actors' digital maturity** L Franchi, W Van Bockhaven, Antwerp Management School, V Carlan, T Vanelslander, University of Antwerp, BE
GLOBAL TRENDS IMPACTING TRANSPORT	**POLICY TRANSFERABILITY (joint session with Rail Policy and Planning)** Chair: Conall Mac Aongusa **The future of transport** I Wright, Transport Focus, UK **Does it also work elsewhere? - transferability of mobility research results across national borders** K Viergutz, A Sauerländer-Biebl, R Hoffmann, DLR e.V., DE **The equity value of cross-station permeability** G Buxton, UK		**COVID-19** Chair: Jan Kiel **Our changing travel - understanding the continuing impact of the pandemic alongside the cost of living on travel behaviour in England** J Baverstock, M Li, Department for Transport, UK **How safe is public transport in a global pandemic? simulation-based insights on the infection probability with SARS-CoV-2** L Fouckhardt, N Schneider, A Helfers, J Koch, C Sommer, University of Kassel, DE **Influence of significantly increased costs of living on daily travel practices** J Vallée, L Ecke, L Burger, B Chlond, P Vortisch, Institute for Transport Studies, KIT, DE		**POLICY ASSESSMENT** Chair: Vladimir Momcilovic **The impact of Schengen area and EURO introduction on toll road traffic performance. The case of the Croatian motorway concessionaire Bina Istra** A Maestripieri, R Majithia, Jacobs, IT **Sustainability in a large highway project - framework and visual tool** K Nøstdahl, Rambøll Norway, NO

Stream	Session 8 09.30 - 11.00	Session 9 11.30 - 13.00	Session 10 14.00 - 16.00
INTELLIGENT MOBILITY - MANAGEMENT AND OPERATION		**DESIGN FOR MULTIMODAL TRANSPORT** **Chair: Arnd Baetzner** **Connection is the key – a framework for modular mobility hub planning** T Schulz, O Biletska, R Reider, T Assmann, H Zadek, Otto-von-Guericke-Universität Magdeburg, DE **Look, who's travelling? using behavioural science to understand customers to create an attractive Mobility as a Service platform** J Knoll-Pollard, WSP, UK **Small Improvements, big impacts** A McFarlane, Sweco, UK	
LOCAL PUBLIC TRANSPORT	**LESSONS LEARNT** **Chair: Elisabete Arsenio** **Solutions for innovation transfer between countries with different legislative, regulatory and funding regimes: case studies from rural passenger transport projects** D Gray, L Mesjar, L Ironside, G Baxter, Robert Gordon University, UK **Examining the successes and failures factors of Mass Rapid Transit (MRT) and lessons learnt for the future** T Sharma, Atkins, UK **Data-driven and user-centric tools for sustainable public transport: the iLU app** E Arsenio, LNEC, PT	**REGENERATION (joint session with Transport Economics, Finance and Appraisal)** **Chair: András Munkácsy** **Regeneration in Southeast London through the provision of light rail and bus rapid transit** N Georgeson, Transport for London, UK **To what extent does Light Rail Transit lead to improved outcomes for low-income individuals: evidence from Greater Manchester's Metrolink Phase 3 extension** B Lahai-Taylor, UCL, UK **Neo-bohemians to young professionals: The regeneration impacts of North London Line upgrade** J Siraut, Jacobs, UK	
PLANNING FOR SUSTAINABLE LAND USE AND TRANSPORT (STREAM A)	**REDESIGNING PUBLIC SPACE** **Chair: Farshid Kamali** **Modelling of effects of street space redesign on travel demand in Berlin, Germany** S Nieland, J Schuppan, R Oostendorp, Deutsches Zentrum für Luft- und Raumfahrt, DE **Developing an evidence based approach to allocate streetspace in Edinburgh and Glasgow** A Kelly, S Turnbull, G Davidson, Jacobs; D Narayanan, City of Edinburgh Council; D Paton, Glasgow City Council, UK **Bicycle lane infrastructure and vehicular congestion: Evidence from Bogota during COVID-19** F Bedoya-Maya, A Calatayud, University of Antwerp, BE **An evaluation tool for public space redistribution projects** T Strommer, A Munkácsy, KTI, HU	**SPECIAL SESSION: MOBILITY TRANSITION CREATING SUSTAINABLE, SAFE, HEALTHY AND SOCIAL CITIES FOR ALL (DOUBLE SESSION)** **Chairs: Anna Contenti and Giovanni Acciaro** **Planning for Sustainable Land Use and Transport: special session on the subject of "Mobility transition creating sustainable, safe, healthy and social cities for all"** C Kwantes, L Stam, Goudappel Mobility; C de Jonge, Ministry for Infrastructure & Water Management, NL **Safe and healthy streets in Rotterdam (NL); the introduction of 30km/h as a measure for a safe, attractive and liveable city** A Scheltes, Goudappel; R Smit, Municipality of Rotterdam, NL **The journey to a new Piazzale Loreto – Integrated transport modelling and urban planning as a catalyst for the development of a liveable city** A Selmin, A Vnukovskaya, F Cicu, G Sgaramella, MIC-HUB srl, IT	**SPECIAL SESSION: MOBILITY TRANSITION CREATING SUSTAINABLE, SAFE, HEALTHY AND SOCIAL CITIES FOR ALL (DOUBLE SESSION)** **Chairs: Anna Contenti and Giovanni Acciaro** **Planning for Sustainable Land Use and Transport: special session on the subject of "Mobility transition creating sustainable, safe, healthy and social cities for all"** C Kwantes, L Stam, Goudappel Mobility; C de Jonge, Ministry for Infrastructure & Water Management, NL **Safe and healthy streets in Rotterdam (NL); the introduction of 30km/h as a measure for a safe, attractive and liveable city** A Scheltes, Goudappel; R Smit, Municipality of Rotterdam, NL **The journey to a new Piazzale Loreto – Integrated transport modelling and urban planning as a catalyst for the development of a liveable city** A Selmin, A Vnukovskaya, F Cicu, G Sgaramella, MIC-HUB srl, IT
PLANNING FOR SUSTAINABLE LAND USE AND TRANSPORT (STREAM B)	**TRAVEL BEHAVIOUR 1** **Chair: Doina Olaru** **Urban vehicle access regulation as a mean to improved accessibility and quality of life** S Pechin, T Stefanelli, C Chiffi, TRT Trasporti e Territorio, IT **Sustainable mobility at high traffic locations – the case of General Hospital Novo mesto** Ö Simsekoglu, T A Mathisen, V Urh, N Hudoklin, Nord University, NO	**TRAVEL BEHAVIOUR 2** **Chair: Barry Zondag** **Development, implementation and analysis of the effectiveness of using the boardgame Transport Sugoroku to convey the social dilemma implicit in car and train use** R Maegawa, A Taniguchi, University of Tsukuba, JP **To which extent may mobility management help to promote sustainable mobility? evidence from a large-scale evaluation study in the Bonn / Rhein-Sieg region in Germany** A Bruns, L Yessad, Hochschule RheinMain Wiesbaden Rüsselsheim, DE **Decarbonisation of the transport sector and economic benefits: impact of working-from-home COVID experience** B Smith, T Reed, S Biermann, D Olaru, University of Western Australia, AU	

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RAIL POLICY AND PLANNING	**POLICY TRANSFERABILITY (joint session with Global Trends impacting Transport)** **Chair: Vladimir Momcilovic** **The future of transport** I Wright, Transport Focus, UK **Does it also work elsewhere? - transferability of mobility research results across national borders** K Viergutz, A Sauerländer-Biebl, R Hoffmann, DLR e.V., DE **The equity value of cross-station permeability** G Buxton, WSP, UK	**INFLUENCES ON TRAVEL PATTERNS AND USER SATISFACTION** **Chair: Ian Wright** **How do rail passengers respond to fares changes in a high inflation environment? does inflation matter?** L Damstra, R Catherall, E Mills, T Hogg, Oxera Consulting LLP, UK **Energy, carbon and environmental impacts of pedestrian flow management configurations in train stations** J Suddaby, A Yoshihara, C-M Dubroca-Voisin, LVMT / AREP, FR	**DECARBONISING TRANSPORT (joint session with Transport Economics, Finance and Appraisal)** **Chair: Ines Kawgan-Kagan** **How much high-speed rail is needed to meet the EU Green Deal targets?** M Kampp, J Schüth, J Sedelmeier, M Thust, D Kaiser, Deutsche Bahn, W Scherr, MOVENTES, J Schlaich, BHT, W Pelousek, P Senk, PTV Group, DE **Measuring the carbon impacts of transport investment options** S Vira, R Kahonde, H Keay, Department for Transport, UK **Equity, efficiencies, and efficacy of hydrogen transport investment** K Kim, University of Hawaii, US
SYSTEM DYNAMICS	**URBAN FREIGHT SIMULATION (joint session with Freight and Logistics)** **Chair: Jan Francke** **Investigating the relationship between e-shopping and in-store shopping in a post pandemic world: a multivariate analysis** F Piras, G Fancello, University of Cagliari; A Comi, "Tor Vergata" University of Rome, IT **Using simulation to explore city logistic use cases for Rotterdam** M de Bok, S Thoen, S Giasoumi, Significance; L Tavasszy, A Nadi, TU Delft; J Streng, City of Rotterdam, NL **Digital Twin opportunities and benefits in last-mile logistics for Madrid value case** B Royo, Zaragoza Logistics Center; D Politaki, Inlecom Innovation; J N Gonzalez, Transport Research Centre – TRANSyT, Universidad Politécnica de Madrid; A Batalla, LastMile Team; S F Balaguer, EMT Madrid, ES **City hubs system dynamics model – a case study in Stockholm** C Andruetto, J Mårtensson, A Pernestål, KTH Royal Institute of Technology, SE		
TRANSPORT ECONOMICS, FINANCE AND APPRAISAL (STREAM A)	**VALUES OF TIME: LESSONS FROM THE NETHERLANDS** **Chair: Amanda Rowlatt** **Dutch values of time and reliability: what's new and what are the implications for appraisal?** M Knoope, P Wortelboer-van Donselaar, KiM; M Kouwenhoven, Significance, NL **Dutch values of time and reliability: SP-design, data collection and analysis** M Kouwenhoven, J Muller, S Thoen, J Willigers, G de Jong, Significance; M Knoope, R Faber, P Wortelboer-van Donselaar, KiM Netherlands Institute for Transport Policy Analysis, NL	**ECONOMIC IMPACTS – ROADS/PARKING** **Chair: Saumil Patel** **Economic Impacts of Road Enhancements (EPIRE) Evaluation** M Clark, Department for Transport; S Carter, M Matthews, C Hale, Ipsos, UK **The impact of replacing free workplace parking with paid parking** F Kelly, AECOM, IE	**DECARBONISING TRANSPORT (joint session with Rail Policy and Planning)** **Chair: Ines Kawgan-Kagan** **Measuring the carbon impacts of transport investment options** S Vira, R Kahonde, H Keay, Department for Transport, UK **Equity, efficiencies, and efficacy of hydrogen transport investment** K Kim, University of Hawaii, US
TRANSPORT ECONOMICS, FINANCE AND APPRAISAL (STREAM B)	**QUESTIONS OF APPRAISAL** **Chair: James Odeck** **Evaluate transport projects: a comparison of multi-criteria analysis and social welfare analysis** M Farahi Far, O M Rouhani, A Farhat, W Do, Sweco, UK **Heterogeneity in preferences for shared transports in autonomous vehicles – a choice experiment approach** L Wårell, K Ek, Luleå University of Technology, SE **Should taxes be included in Cost Benefit Analysis?** J Massiani, Università Milano Bicocca, IT	**DEALING WITH UNCERTAINTY** **Chair: Amanda Rowlatt** **The uncertainty of early cost-benefit analysis** E Tveter, M Welde, J Odeck, Møreforsking Molde and Molde University College, NO **Producing the National Road Traffic Projections 2022, exploring uncertainties through the common analytical scenarios, and the practical challenges of delivering the learning into business case development** C Drury, I Heimann, Department for Transport, UK **Analysis, outcomes and presentation of social CBA and an unwanted top event in infrastructure** J Helmer, Rijkswaterstaat, NL	

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TRANSPORT MODELS PTV GROUP		MODELLING EQUITY **Chair: Bruno Villé** **Exploring the applications of activity and agent-based models (A2BMs) in the evaluation of transportation equity** P Bueno, T Chatziioannou, G Casey, Arup, UK **How can Shared Mobility as a Service offerings improve gender inclusivity to improve diffusion?** M Catulli, R Thomas, R Fenner, S Copsey, University of Hertfordshire, UK	CHANGING BEHAVIOUR **Chair: Marco Kouwenhoven** **Modelling uncertainty and demographic changes using synthetic populations** S Gasson, C Bushell, P Clarke, J Fox, Jacobs, UK **Incorporating telecommuting in forecasting travel models** M Bradley, N Dhakar, J Freedman, J Slason, RSG Inc., US **A Multimodal Model for simulating Long Haul Passenger Mobility in Italy** M Tartaglia, C Carminucci, Ferrovie dello Stato Italiane, ISFORT, IT
YOUNG RESEARCHERS' AND PRACTITIONERS' FORUM	HUMAN WELLBEING **Chair: Orgerta Zeqo** **Integrated consideration of the social and ecological dimension of the mobility transition: barriers and constraints to use sustainable transport systems for people at risk of poverty** A Fischer, F Henkel, University of Kassel, DE **The impact of an anti-lock braking system on stopping distance and friction coefficient** V Lorenčič, University of Ljubljana, SI **Mobility-as-a-Service for university communities: how would you value it?** F Silvestri, F Silvestri, Politecnico di Milano, IT		
EUSAIR SPECIAL SESSIONS			EUSAIR SESSION **Green & Smart ports concept in the framework of the European Strategy for the Adriatic-Ionian Region (EUSAIR)**
TRIBUTE SPECIAL SESSIONS	TRIBUTE SESSION **Innovative and Sustainable Urban Mobility Solutions in the Cities of the Adriatic-Ionian Region: objectives, approaches, outputs**	TRIBUTE SESSION **Transnational strategy for sustainable mobility in the Adriatic-Ionian Region**	