

Friday 9 September			
	Session 8	Session 9	Session 10
Stream	0930 - 1100	1130 - 1300	1400 - 1600
Aviation		<p>CASE STUDIES - INFRASTRUCTURE Session Chair: Nigel Dennis, University of Westminster, UK Advanced air mobility services in the metropolitan area of Milan and Lombardy Region C Cuccorese, C Carrà, F Romano, SEA Milan Airports; P Coppola, Politecnico di Milano, IT The role of road network improvement in aviation recovery – the case study of Malpensa airport Masterplan C Carrà, F Romano, SEA Società Esercizi Aeroportuali; M Sartori, G Acciaro, NET Engineering s.r.l.; F de Fabiis, F Silvestri, P Coppola, Politecnico di Milano, IT The green advantage of post-pandemic aviation infrastructure: a case study of Highlands and Islands Airports in Scotland G Cobb, Highlands and Islands Airports; M Rahman, Jacobs, UK</p>	<p>COVID IMPACTS/EXPANSION ECONOMICS Session Chair: Johnny Ojeil, Ramboll, UK Appraising the economics of the UK airport expansion wave of the 2020s A Chapman, M Postle, New Economics Foundation, UK Exploring the role of vaccinations in UK international travellers' confidence L Keegan, Department for Transport, UK Quantification of COVID-19 damages in the European aviation sector R Alimonti, L Mautino, Oxera Consulting LLP, IT</p>
Global Trends impacting Transport	<p>DISCUSSION SESSION Session Chair: Jan Kiel, Panteia, NL Mind the Gap! a roadmap to transport diplomacy for transport practitioners L Ampleman, Jagiellonian University, PL Planning transport networks when we do not (cannot) know what the future holds M Shepherd, Frontier Economics Ltd; S Elvery, Great British Railways Transition Team, UK The role of asset management in supporting an evolution of long-term travel patterns M MacLennan, K Gosrani, Arup, UK</p>	<p>SUSTAINABILITY Session Chair: Gillian Harrison, ITS, University of Leeds, UK The shared road to improving policy-based, research informed road transport emissions models – a case study of collaboration between academia, government and industry from Ireland V O'Riordan, University College Cork; D Urquhart, AECOM, IE Transport Infrastructure Ireland Roads Emissions Model (REM) strategic insights D Brady, V O'Malley, Transport Infrastructure Ireland; D Deakin, AECOM, UK; S Dunne, P Shiels, AECOM, IE Evaluation of transport sustainability of European Union countries M J Kandappassery, B Djordjevic, B Ghosh, Jacobs, IE</p>	
Planning for Sustainable Land Use and Transport	<p>REDESIGNING URBAN SPACE AND ACTIVE TRAVEL Session Chair: Keynote presentation: Marco Mazzei, Councillor of Milan Municipality, IT Presentations on "Area C road space reallocation in Milan" and "Tactical urbanism in Milan" from Veronica Gaiani, Paolo Campus and Demetrio Scoppelliti of AMAT Agenzia Mobilità, Ambiente e Territorio, IT</p>	<p>REDESIGNING Session Chair: Farshid Kamali, Atkins, UK Getting home safely: Safe by Design by Women A Mathews, R Evans, K Cary, Atkins, UK Redesigned urban spaces- how to measure success? M DeRobertis, A Renard, World Transport Policy and Practice / Transportation Choices, US Future of cities: a method for economic benefits for re-allocating road space for cyclists G Tenekeci, Jacobs, UK</p>	<p>ACTIVE TRAVEL Session Chair: Wim Korver, Goudappel, NL Impact of the CITY CYCLING campaign on daily traffic behaviour of participants S Lißner, S Huber, Technische Universität Dresden, DE Making active travel relevant to a whole nation: lessons from Scotland's Strategic Transport Projects Review T Steiner, C McDowall, Jacobs; A Priestley, Transport Scotland, UK Active train stations N Gravett, N Montague, T Wardley, Arup, UK</p>
Planning for Sustainable Land Use and Transport		<p>HOW TO MODAL SHIFT Session Chair: Anna Contenti, Jacobs, IT Case studies on reducing urban car use: How can modal shift be successful? lessons learnt from the change dynamics and success factors of three German frontrunner cities M Müller, Wuppertal Institute for Climate, Environment and Energy, DE The role of communication and design in promoting sustainable mobility in social housing areas – evidence of an evaluation study in the Frankfurt Rhine-Main region L Yessad, A Bruns, M Kowald, Hochschule RheinMain Wiesbaden University of Applied Sciences; H Andersen, K Vöckler, Hochschule für Gestaltung Offenbach am Main University of Art and Design, DE Modal shift targets and CO2-emissions: the case of Finland J Mäkinen, R Viri, Tampere University, FI Behaviour change – compelled to change and why we're not R Smith, Jacobs, UK</p>	

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Transport Economics, Finance and Appraisal	<p>APPRAISAL – WHERE DO WE START? Session Chair: Rimon Rafiah, Ekonomikr, IL Do-nothing, do-minimum or do-something. The baseline for comparing alternatives in cost-benefit analyses G Holst Volden, M Welde, B Andersen, A Engebø, Norwegian University of Science and Technology (NTNU), NO Do we need a new approach to appraisal? Lessons from a comparison of guidelines for the appraisal of transport infrastructure investment J Horlemann, TUM Technical University of Munich, DE Appraisal: the curse of numbers A Meaney, Oxera Consulting LLP, UK UK Department for Transport common analytical scenarios Y Fox, R Harrap, Department for Transport, UK</p>	<p>DISTRIBUTIONAL IMPACTS/ANALYSIS Session Chair: Elisabete Arsenio, LNEC, PT Investigating the practical implementation of distributional weighting in UK transport appraisal C Cheyney, High Speed Two Limited; I Stead, Department for Transport, UK Identifying indicators for value for money in the front-end of road projects J Odeck, Norwegian Public Roads Administration, NO; M Börjesson, J Jussila Hammes, Swedish National Road and Transport Research Institute, SE; G Holst Volden, M Welde, Norwegian University of Science and Technology (NTNU), NO What cost resilience? priorities in appraisal G Smith, Jacobs, UK The economic service life of transport projects: ex-post analysis of rail and roads E Tvetter, Molde University College, NO</p>	<p>TRANSPORT ECONOMICS – EVERYTHING YOU WANTED TO KNOW AND AREN'T AFRAID TO ASK A panel discussion and Q&A session on anything and everything to do with Transport Economics, hosted by John Siraut of Jacobs, UK</p>
Local Public Transport	<p>MANAGING DEMAND Session Chair: András Munkácsy, KTI, HU How successfully can travel behaviours be influenced at a time of unprecedented variability in demand? E Herreras-Griffiths, C Tomlin, Transport for London, UK The Essex Bus Network Review: how a diverse English county is planning for buses after COVID and what lessons can be learned M Stonehill, Jacobs, UK The impact of service expansion on modal shift from private car to public transport. A quantitative analysis in the Bonn/Rhein-Sieg area, Germany A Hahn, C Pakusch, G Stevens, Hochschule Bonn-Rhein-Sieg, DE</p>	<p>FINANCIAL AND ECONOMICAL CHALLENGES Session Chair: Charles Rivasplata, San Jose State University, US Choose environment, choose education, choose work, choose free bus travel: evaluating the Scottish Government's Commitment to Free Bus Travel for Under 22s: Part 1 Design and Baseline Data Collection S Motherwell, L Wright, N Alnasser, G McIntyre, Transport Scotland, UK Subsidizing public transportation costs in a developing country. a randomized controlled trial intervention in Bogotá, Colombia S Gómez-Cardona, Heidelberg University, DE; L Ángel Guzmán, Los Andes University, CO Evaluating the impact of demand-changing events in public transport services A Lobo, S P Duarte, A Couto, University of Porto, PT</p>	<p>TECHNICAL VISITS A choice of visit is offered. Bookings can be made by contacting Sabrina Winter: sabrinawinter@tftp-training.co.uk</p> <p>Visit 1: Historic Messina Tram Depot, hosted by ATM, Azienda Trasporti Milanesi The tram is one of the iconic symbols of the city of Milan. How do the 100-year-old trams still operate, remaining efficient and in line with the latest technologies?</p> <p>The depot was designed in 1904 and built in 1912. It now accommodates 115 vehicles, ranging from the historical "Carrelli" to the modern trams. Service covers almost 24 hours, starting in the morning just before 4 a.m. and ending at around 3 a.m.</p>
Rail Policy and Planning	<p>RAIL CONNECTIVITY - GLOBAL PERSPECTIVES Session Chair: Josie Drath, Arup, UK The UK's Union Connectivity Review: strategic and political perspectives on recommendations to address cross 'border' transport within the United Kingdom A Smyth, Transport Analysis and Advocacy Ltd.; L Allison, Independent Advisor, UK Lessons from Taiwan for Europe – the future of railway and steps toward a dynamic and resilient system post Covid-19 P R-J Liu, Atkins, UK</p>	<p>RECOVERY OF RAIL/STEERING FOR A NEW COURSE IN RAIL Session Chair: Charles Harmer, Transport for London, UK Building Britain's railways back better: restoring and increasing passenger demand J Armstrong, S Blainey, J Preston, University of Southampton, UK Covid and the missing 20%: recommendations for how railways should respond to the pandemic to re-gain demand M Benson, B Condry, N Findlay, Transport Strategy Centre, Imperial College London; T Magee, Rail Delivery Group, UK</p>	<p>Visit 2: Control rooms, hosted by ATM, Azienda Trasporti Milanesi This visit will take in the Surface Control room from which over 25,000 runs of trams, buses and trolleybuses are managed daily.</p> <p>The metro control room manages the operations - 2,300 runs supervised daily - and safety of the whole Milan metro network.</p> <p>The control rooms also host the passenger information team that manages the public address system as well as the digital and social media used for real-time information.</p>
Intelligent Mobility - management and operations	<p>AUTONOMOUS VEHICLES – DESIGN AND IMPACT Session Chair: Samya Ghosh, AECOM, UK The impact of Automated Vehicles on network level as a result of activity-based departure time choices L Wismans, Goudappel and University of Twente; F Hooft, MAPtm; K Friso, DAT.Mobility; B van Arem, B Pudāne, S van Cranenburgh, A Pel, TU Delft, NL Autonomous urban shuttle services in inner-city and suburban operation: impact assessment from simulation case studies in Vienna J Müller, AIT Austrian Institute of Technology, AT</p>		
Freight and Logistics	<p>URBAN FREIGHT CONSOLIDATION Session Chair: Peter Endemann, Regionalverband FrankfurtRheinMain, DE Data collection for microscopic modelling of urban freight transport – empirical insights into city-logistics in the region of Karlsruhe L Barthelmes, E Görgülü, M Kagerbauer, P Vortisch, Karlsruhe Institute of Technology, DE Examining recent developments and best practice in consolidation centres as a form of smart urban logistics K Hursthouse, A Bardsley, AECOM, UK</p>	<p>URBAN FREIGHT DELIVERY SOLUTIONS Session Chair: New neighbourhood, old habits? delivery preferences of residents in new development areas using the example of "WATERKANT Berlin" J Gruber, B Heldt, S Seidel, DLR, DE City logistics and policy frameworks J Cowie, Edinburgh Napier University; K Fiskén, South East of Scotland Transport Partnership (SESTran), UK Understanding the challenges of drone medical logistics services in developed nations A Oakey, T Cherrett, University of Southampton, UK Shopping and shipping sustainably E Herreras-Griffiths, L Gibson, Transport for London, UK</p>	<p>SUSTAINABLE URBAN FREIGHT TRANSPORT Session Chair: Jan Francke, KiM Netherlands Institute for Transport Policy Analysis, NL E-cargo bikes and local freight micro-mobility in the real world L Penn, WSP, UK Investigating the impact of eHighway system on weekday traffic including pandemic period Ö Öztürk, D Wauri, E Kassens-Noor, Technical University of Darmstadt, DE A methodological approach for the design of energy efficient urban logistics systems E Lardy, M Lafkihi, E Ballot, Mines ParisTech, FR</p>

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Data	<p>DATA EVALUATION Session Chair: Csaba Kelen, Sweco, UK Independent Risk Evaluation M Bartlett, Mike Bartlett; A Leed, Oxford Global Projects, UK</p> <p>#SUSTAINABLETRANSPORT - social big data mining for the sustainable mobility and transport transition: findings from a large-scale cross-platform analysis M Stiebe, Institute of Sustainable Development, Zurich University of Applied Sciences, CH</p> <p>SAFETY Crash effecting factors analysis comparing artificial neural network and regression models M A Meinagh, A Brignone, CitiEu-Me; L Mussone, Politecnico di Milano, IT</p>	<p>DATA CLUSTERING AND INTERPRETATION Session Chair: Oliver Charlesworth, Bentley Systems, UK HUBS: a data-driven approach to detect and classify them Ö Günaydin, P van der Mede, Dat.mobility; L Bingen, Ministry of Infrastructure and Water Management, NL</p> <p>Analysis of trip request data in the light of its use in transport planning L Barthelmes, M Kagerbauer, F Pagel, P Vortisch, Karlsruhe Institute of Technology, DE</p> <p>Deep-learning techniques for thermal comfort assessment of pedestrian footfall G Ceccarelli, A De La Hoz, D Presicce, Transform Transport, Systematica, IT</p>	<p>NEW DEVELOPMENTS IN DATA COLLECTION Session Chair: Applying a new "sums and shares" mixture model to pedestrian flows: the "La Défense" hub case study P de Nailly, L Oukhellou, E Come, A Samé, J Ferriere, RATP, FR</p> <p>Automatic passenger counting system in Baden-Württemberg R Schneider, RS Consult Holding UG, DE</p>
Transport Models	<p>MODE CHOICE Session Chair: Lorenzo Mussone, Politecnico di Milano, IT Attraction constraints in the Amsterdam Transport Mode G van Eck, J Baak, Significance; J van den Elshout, M Pieters, Municipality of Amsterdam, NL</p> <p>Estimation and regionalization of nationwide parameters for destination and mode choice M van Essen, J Voorhorst, Goudappel, NL</p> <p>Understanding the role of psycho-social constructs in explaining random taste heterogeneity of travel mode choice behavior F Piras, D Giubergia, I Meloni, University of Cagliari, IT</p>	<p>CYCLING AND MICROMOBILITY Session Chair: David Christie, Transport for London, UK Incorporating a cycling model in the multimodal transport model of the city of Ghent, Belgium J De Coster, C Puttemans, A Vanclooster, MINT, BE</p> <p>Micro-mobility forecasting analysis: the case of Paris G Ceccarelli, M Zuretti, D Presicce, A Vacca, R Choubassi, Systematica, IT</p> <p>RIDE HAILING Session Chair: David Christie, Transport for London, UK What motivates or deters the use of ride hailing services (RHS) in India: a step-wise LCCA-MCDM modeling approach B Eeshan, G Arkopal Kishore, IIT Kharagpur, IN</p>	<p>IMPACT OF COVID ON TRAVEL DEMAND Session Chair: Tudor Mocanu, DLR, DE Behavioural changes in transport due to Covid-19 – a study of Swedish households' travel behaviour K Ek, L Wårell, Luleå University of Technology, SE</p> <p>The shift in mobility trends as the pandemic unfolds M Filgueiras, M Amorim, A Couto, A Lobo, M Kern, N Fanderl, S Ferreira, University of Porto, PT</p> <p>The impacts of Covid-19 on travel in England in the short, medium and long-term C Rohr, F Dunkerley, T Pollard, N Frankland, J Wheeler, Mott MacDonald; P Hoad, C Minett, National Highways, UK</p>