

Wednesday 7 September			
Opening Session	0915 – 1030 Welcome from the Association for European Transport (AET) Conference Welcome Address Guest speaker		
	Session 1 1100 – 1300	Session 2 1400 – 1600	Session 3 1630 - 1800
Stream	1100 – 1300	1400 – 1600	1630 - 1800
Young Researchers' and Practitioners' Forum	<p><u>SPATIAL ECONOMIC ANALYSIS</u> Session Chairs: Place based analysis in UK transport appraisal R Todd, A Lewis, Department for Transport, UK Heterogeneous commuters on radial bottlenecks with agglomeration: methods and calibration for Bogotá H Dyckerhoff, Jacobs, UK Intersecting economic barriers to transport: a case study and reflections on a collaborative project between industry and academia S Francis, Jacobs; A Plyushteva, University of Oxford, UK Spatial regression analysis to assess economic impacts of transport infrastructure F De Fabiis, A Carmelo Mancuso, Politecnico di Milano, IT</p>	<p><u>SHARED MOBILITY SYSTEMS</u> Session Chairs: The potential of bike sharing in increasing the resilience of urban transport systems during disruptive public health emergencies: Insights from Lisbon's GIRA users J F Teixeira, C Silva, Research Centre for Territory, Transports and Environment (CITTA), Faculty of Engineering of the University of Porto (FEUP); F Moura e Sá, Centre for Studies in Governance, Competitiveness and Public Policies (GOVCOPP), University of Aveiro (UA), PT Why do university students ride shared e-scooters? an analysis of trip preferences according to a campus survey G Dias, P Ribeiro, University of Minho; E Arsenio, LNEC, Department of Transport, PT Access-based consumption, behaviour change and future mobility: insights from visions of car sharing in Greater London A Henderson, Momentum Transport Consultancy, M Cao, University of Westminster and London School of Economics and Political Science; Q Liu, University of Liverpool, UK eScooters 2022 A de Juana, Sweco, UK</p>	<p><u>BEHAVIOUR CHANGE - TRAVEL PATTERNS</u> Session Chairs: Commuter travel and Covid-19: a longitudinal qualitative interview study R Samuel, K Pangbourne, S Grant-Muller, University of Leeds, UK Young people's post-pandemic attitudes towards holiday planning and making - Insights from focus group discussions in Austria M Tuscher, S Schönfelder, WU Vienna, AT Digital nomadism in the post-COVID era: an emerging trend and its impacts on travel and land use patterns A D Bozzi, A Aguilera, Université Gustave Eiffel, FR</p>
Aviation	<p><u>URBAN AIR MOBILITY (Joint session with Transport Models)</u> Session Chair: Users' acceptance and willingness to pay for urban air mobility services: modeling evidences with an application to a case study in Italy P Coppola, F De Fabiis, L Barbierato, Politecnico di Milano; F Silvestri, University of Rome Tor Vergata, IT UAM expected travel demand for airport shuttle services: SP investigation and preliminary results M Brunelli, C C Ditta, M N Postorino, University of Bologna, IT 3D Urban Air Networks for future urban air transport systems M Brunelli, C C Ditta, M N Postorino, University of Bologna, IT</p>		
Global Trends Impacting Transport	<p><u>COVID-19 IMPACTS 1 (Joint session with Planning for Sustainable Land Use and Transport)</u> Session Chair: Farshid Kamali, Atkins, UK Examining the impacts of COVID-19 on travel within County Durham C Higgins, T Beech, L Knowles, Jacobs, UK Impact of Covid-19 on urban traffic patterns N Mexis, I Spyropoulou, National Technical University of Athens (NTUA), GR Travel Behaviour in a post-COVID world M Bhardwa, C Reynolds, Atkins, UK Will COVID-19 structurally change our travel for work? (Expected) impacts on mobility of (expected) structural changes in working from home and teleconferencing in the Netherlands M Hamersma, R Faber, L Krabbenborg, KiM Netherlands Institute for Transport Policy Analysis, NL</p>	<p><u>COVID-19 IMPACTS 2 (Joint session with Planning for Sustainable Land Use and Transport)</u> Session Chair: Session Chair: Mélanie Bosredon, David Simmonds Consultancy, FR All Change? tracking travel behaviour, attitudes and social impacts during and following the COVID-19 pandemic in the UK C Davie, M Drake, Department for Transport, UK Impact of the Covid pandemic on travel patterns in Hungary – short and long-term effects C Kelen, G Nagy, BFK Budapest Fejlesztési Központ Nonprofit Zrt., HU Time spending on trips and mobility: is travel time budget constant during the COVID-19 pandemic? Analyses with the Netherlands Travel Panel M-J Olde Kalter, Goudappel; P van der Mede, S de Graaf, Dat.mobility, NL Behavioural science messaging trials: supporting public transport confidence, wearing of face coverings and completion of self-isolation after international travel during the Covid-19 pandemic P Dyson, P Kariyawasam, Department for Transport, UK</p>	<p><u>COVID-19 IMPACTS 3 (Joint session with Rail Policy and Planning)</u> Session Chair: Are you more likely to shift away from rail in response to the COVID-19 pandemic? lessons from commuters in Flanders based on a logit model M Voes, K De Langhe, C Sys, T Vanelslender, A Verhetsel, J Crèvecoeur, T Neyens, University of Antwerp, BE The impact of Covid-19 on mobility behavior of public transport passengers: a systematic literature review H Fernandes, M Campos Ferreira, T Sobral, T Galvão Dias, University of Minho, PT Change in train travelling behaviour during and after Covid-19 due to anxiety G B Hafsteinsdottir, R van der Knaap, N van Oort, Delft University of Technology; M de Bruyn, M van Hagen, Nederlandse Spoorwegen (NS), NL</p>

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Planning for Sustainable Land Use and Transport	<p>HUB DESIGN Session Chair: Bike-sharing usage and the effects from the built environment: a forecasting model based on POI data C M Rutka, H Reckermann, T Dannewald, M Kowald, Hochschule RheinMain, Wiesbaden, DE Apriori modal choice estimation for transit oriented developments (TOD): a developing nation context B S Manoj, K G Arkopal, IIT Kharagpur, IN Mobility hubs as enablers of more inclusive transport: a comprehensive analysis of the needs and barriers of vulnerable populations L Martinez, J Pappers, I Keserü, Vrije Universiteit Brussel, BE Piazza dei Cinquecento: pedestrian-centric vision for the most congested intermodal hub in Italy M Villani, G Acciaro, J Ognibene, NET Engineering, IT</p>		<p>ACTIVE TRAVEL APPRAISAL (Joint session with Transport Economics, Finance and Appraisal) Session Chair: James Odeck, Public Roads Administration, NO Assessing the costs and benefits of the sustainable urban mobility transition in a European city S Borgato, F Chirico, F Fermi, TRT Trasporti e Territorio; Y Le Petit, EIT Urban Mobility, IT The real value of cycling: representing all benefits of cycling in economic appraisal tools D Tordai, T Andrejszki, A Munkácsy, KTI Institute for Transport Sciences Non-profit Ltd., HU Financial incentives for travel by sustainable transport modes in the retail and leisure sectors N Montague, A Rodríguez Coterón, H Hung, Arup, IE</p>
Planning for Sustainable Land Use and Transport	<p>INCLUSION 1 Session Chair: Applying the concept of well-being to the transport domain: lessons and recommendations from a study of Dutch national transport policy D Snellen, M 't Hoen, J Bastiaanssen, PBL Netherlands Environmental Assessment Agency, NL Building multidimensional indicators of transport poverty: an application to Germany A Rangel Guevara, Université Savoie Mont Blanc, Institut de Recherche en Gestion et Economie (IREGE), FR Spatiotemporal differences in accessibility to jobs and amenities in the Netherlands J Bastiaanssen, M Breedijk, PBL Netherlands Environmental Assessment Agency, NL</p>	<p>COVID-19 IMPACTS 2 (Joint session with Global Trends impacting Transport) Session Chair: Mélanie Bosredon, David Simmonds Consultancy, FR All Change? tracking travel behaviour, attitudes and social impacts during and following the COVID-19 pandemic in the UK C Davie, M Drake, Department for Transport, UK Impact of the Covid pandemic on travel patterns in Hungary – short and long-term effects C Kelen, G Nagy, BFK Budapest Fejlesztési Központ Nonprofit Zrt., HU Time spending on trips and mobility: is travel time budget constant during the COVID-19 pandemic? Analyses with the Netherlands Travel Panel M-J Olde Kalter, Goudappel; P van der Mede, S de Graaf, Dat.mobility, NL Behavioural science messaging trials: supporting public transport confidence, wearing of face coverings and completion of self-isolation after international travel during the Covid-19 pandemic P Dyson, P Kariyawasam, Department for Transport, UK</p>	<p>INCLUSION 2 Session Chair: Travel for all: personalised journey planning to reduce social isolation in older adults C Reynolds, M Bhardwa, D Campbell, Atkins, UK Planning for gender-inclusive in urban areas: an application to the City of Naples (Italy) G Carpentieri, C Guida, C Gargiulo, L Abdelfattah, A Gorrini, F Messa, R Choubassi, University of Naples Federico II, IT Interventions to address women's perceptions of and reality of safe travel on rail in the United Kingdom D Chapman-Chamberlain, Innovate UK KTN, UK</p>
Transport Economics, Finance and Appraisal	<p>EVALUATION Session Chair: Meta evaluation of local major schemes. what are the lessons for scheme promoters and transport practitioners? G Oakes, Atkins; J McCurry, Department for Transport, UK Economic Performance Impacts of Road Enhancements (EPIRE) evaluation M Clark, Department for Transport; S Carter, C Hale, M Matthews, Ipsos Mori research team, UK Congested values of travel time (CVTT) B Jamieson, Department for Transport, UK Reference-dependent customer behaviour C X Ng, T Hogg, Oxera Consulting LLP, UK</p>	<p>ENVIRONMENTAL TAX/PRICING Session Chair: Greener vehicle taxation in middle income countries I Kövesdi, KTI, HU A parsimonious model for transport project assessment in a distorted economy: taxes, congestion, market power ... and paradoxes J Massiani, E Quinet, Università Milano Bicocca, IT Second-round effects of carbon fuel taxation in transportation: inequality in access to alternatives hampers progressiveness T Mocanu, I Dubernet, F Koller, DLR - Institute of Transport Research, DE</p>	<p>ACTIVE TRAVEL APPRAISAL (Joint session with Planning for Sustainable Land Use and Transport) Session Chair: Assessing the costs and benefits of the sustainable urban mobility transition in a European city S Borgato, F Chirico, F Fermi, TRT Trasporti e Territorio; Y Le Petit, EIT Urban Mobility, IT The real value of cycling: representing all benefits of cycling in economic appraisal tools D Tordai, T Andrejszki, A Munkácsy, KTI Institute for Transport Sciences Non-profit Ltd., HU Financial incentives for travel by sustainable transport modes in the retail and leisure sectors N Montague, A Rodríguez Coterón, H Hung, Arup, IE</p>
Local Public Transport	<p>OPERATIONS Session Chair: The impact of reducing car speed on public transport in cities: more than just a road sign R Huisman, Goudappel, NL Quantification of the joint impact of internal and external variables on bus travel time in mixed traffic corridors Y Montero-Lamas, M Novales, A Orro, Universidade da Coruña, ES</p>	<p>INCLUSIVE MOBILITY Session Chair: Standards for improved usability of information monitors and displays in public transport E Fürst; G Lamprecht, WU Vienna, AT Designing and operating inclusive transport networks to manage and mitigate social inequalities in a post-covid era S Shuttleworth, N Luhr, Mott MacDonald, UK Transport-related social exclusion and its impacts on the different social groups J P Lieszkovszky, KTI Institute for Transport Sciences Non-Profit Ltd., HU Mobility of the elderly during the Covid-19 crisis - what can we learn from pandemic for future local public transport? N Klassen, Hochschule Muenchen/University of Applied Sciences; C Joedden, Kantar, DE</p>	<p>ACCESS/EGRESS Session Chair: Shared micromobility and public transport integration. A mode choice study using stated preference data A Montes Rojas, N Geržinic, W Veeneman, N van Oort, S Hoogendoorn, TU Delft, NL Understanding the whole station choice concept by cyclists A Barneveld, R Huisman, Goudappel, NL</p>

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EUSAIR		Planning transport infrastructure at macro-regional scale <i>Sponsored by EUSAIR Facility Point</i>	
Rail Policy and Planning			COVID-19 IMPACTS 3 (Joint session with Global Trends impacting Transport) Session Chair: Are you more likely to shift away from rail in response to the COVID-19 pandemic? lessons from commuters in Flanders based on a logit model M Voes, K De Langhe, C Sys, T Vanelslander, A Verhetsel, J Crèvecoeur, T Neyens, University of Antwerp, BE The impact of Covid-19 on mobility behavior of public transport passengers: a systematic literature review H Fernandes, M Campos Ferreira, T Sobral, T Galvão Dias, University of Minho, PT Change in train travelling behaviour during and after Covid-19 due to anxiety G B Hafsteinsdottir, R van der Knaap, N van Oort, Delft University of Technology; M de Bruyn, M van Hagen, Nederlandse Spoorwegen (NS), NL
Intelligent Mobility - management and operations	MULTI-MOBILITY Session Chair: Policy making for an inclusive and accessible digital mobility system H Delaere, S Basu, I Keserü, Vrije Universiteit Brussel, BE Drivers and barriers of Mobility-as-a-Service: insights from stakeholders of two Italian cities F Piras, A Scalas, E Sottile, I Meloni, University of Cagliari, IT Determining the enablers and barriers for shared mobility service providers E Coenegrachts, J Beckers, T Vanelslander, A Verhetsel, University of Antwerp, NL	AI, WHAT ABOUT SAFETY? Session Chair: PHilita: a novel, dynamic multi-modal route planner for commuter load distribution and COVID-19-travel-risk minimisation on metro networks Y Skeete, F Kong, S Jain, R Ruiz Fernandez, S Ahmad Jailani, University of Bristol, UK The short-term potential of Artificial Intelligence for traffic management H Taale, Rijkswaterstaat & TU Delft; E Walraven, D Spruijtenburg, I Wilink, TNO, NL The frequency of accidents and injuries from E-scooters: analyses of data registered in Oslo A M Bjerkan, A Engebretsen, R Steinbakk, Norwegian Public Roads Administration, NO Investigation into effective measures to improve cyclists' safety at complex road networks and junctions J Akhter, A Ali, A Bayyati, London South Bank University, UK	
Freight and Logistics	MODE SHIFT POTENTIAL Session Chair: External benefits from modal shift in freight transport in North-western Europe O Jonkeren, KiM Netherlands Institute for Transport Policy Analysis; K Friso, DAT.mobility; L Hek, Goudappel, NL Assessment of market potential for new intermodal transport services in the Eastern Mediterranean S Kapros, I Pervanas, V Lioumi, University of the Aegean, GR Development of railway networks for freight mobility in the Ionian Euro-Mediterranean context D Gattuso, G C Cassone, D Pellicanò, Mediterranea University of Reggio Calabria, IT Objective decision making in the event of disruptions - potentials for single wagonload transport network control M Krauth, D Haalboom, P Salger, TU Dresden, DE	USING MODELS FOR FREIGHT SOLUTIONS (Joint session with Transport Models) Session Chair: Decarbonizing the Norwegian freight transportation system S J Bakker, R van Beesten, I Brynildsen, A Sandvig, M Siqueland, A Tomsgard, Norwegian University of Science and Technology (NTNU), NO Alternative freight model structures and their data dependencies – lessons from the US and Australia C McHugh, Tom van Vuren, Veitch Lister Consulting; P Camargo, Outer Loop Consulting, AU Modelling vans; a detailed insight into travel behaviour W Cui, L Monaghan, Transport for the North; M Buckley, WSP, UK	USING DATA FOR FREIGHT SOLUTIONS (Joint session with Data) Session Chair: A novel approach to developing LGV trip matrices for the second generation of regional traffic models R Tolouei, A Sayegh, M-J Thornton, AECOM, UK Exploring traffic and infrastructure challenges for partly automated truck platoons on Norwegian two-way, two-lane roads M Metallinos Log, M Eitrheim, T Tørset, Norwegian University of Science and Technology (NTNU), NO Artificial Intelligence (AI) technologies in port operations: survey to collect data about status of AI in port operation M Farzadmehr, V Carlan, T Vanelslander, University of Antwerp, BE
Data	DATA DRIVEN TOOLKITS FOR DECISION SUPPORT Session Chair: Dirk van Amelsfort, Goudappel, NL The New Mobility Data and Solutions Toolkit (nuMIDAS): shared-mobility services use cases in Milan and their transferability V Paruscio, V Mazzeschi, A Luè, Poliedra-Politecnico di Milano; A Giovannini, C Covelli, AMAT, Agenzia Mobilità Ambiente e Territorio, IT; C Mylonas, D Tzanis, CERTH-HIT, Centre for Research and Technology Hellas-Hellenic Institute of Transport, GR; S Maerivoet, Transport & Mobility Leuven, BE Automating multi-criteria assessment for transport projects N Montague, A Rodríguez Coterón, Arup, IE The future of accessibility modelling in Scotland: innovative uses of data to create the bespoke National Public Transport Accessibility Tool (NaPTAT) for Scotland's 2nd Strategic Transport Projects Review K Chesney, T Bisset, Jacobs, UK	UNDERSTANDING MULTIMODAL TRAVEL PATTERNS VIA DATA Session Chair: Len Johnstone, Independent Consultant, AU Ecosystem mobility: public private collaboration optimizing transport systems via a data ecosystem L Wismans, Goudappel and University of Twente; D van Amelsfort, N Juffermans, A Idenburger Goudappel; J de Bruijn, E van den Belt, Dat.mobility, NL The interplay of bikesharing, carsharing and public transport - a spatiotemporal analysis of booking data A Reiffer, T Wörle, P Vortisch, Karlsruhe Institute of Technology, DE Leveraging floating car data for estimates of door-to-door road travel time unreliability C Jacobs-Crisioni, European Commission, Joint Research Centre, IT; E Koomen, Y König, VU University Amsterdam, NL Tourists among commuters: identification and mobility patterns analysis M Campos Ferreira, T Galvão Dias, Faculdade de Engenharia da Universidade do Porto, PT	USING DATA FOR FREIGHT SOLUTIONS (Joint session with Freight and Logistics) Session Chair: A novel approach to developing LGV trip matrices for the second generation of regional traffic models R Tolouei, A Sayegh, M-J Thornton, AECOM, UK Exploring traffic and infrastructure challenges for partly automated truck platoons on Norwegian two-way, two-lane roads M Metallinos Log, M Eitrheim, T Tørset, Norwegian University of Science and Technology (NTNU), NO Artificial Intelligence (AI) technologies in port operations: survey to collect data about status of AI in port operation M Farzadmehr, V Carlan, T Vanelslander, University of Antwerp, BE

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System Dynamics		<p>DISRUPTIONS IN URBAN MOBILITY Session Chair: Dealing with uncertainties in mobility through system dynamics M Legêne, D van Amelsfort, S Bigalke, Goudappel, NL Modelling the effect of a nationwide mobility service guarantee on travel behaviour using the strategic model MARS B Laa, TU Wien; P Pfaffenbichler, University of Natural Resources and Life Sciences, AT Quantifying the resilience of urban mobility to pandemic threats using system dynamics D V Rodriguez Lara, A N Rodrigues da Silva, Universidade de São Paulo, BR; P Pfaffenbichler, University of Natural Resources and Life Sciences, AT Modelling new mobility services G Harrison, S Shepherd, University of Leeds P Pfaffenbichler, University of Natural Resources and Life Sciences, AT; M Xu, H Tian, W Mao, Beijing Jiatong University, CN</p>	<p>POLICY AND REGULATION Session Chair: Planning for the transition to clean shared mobility M Bearden, Arup, NL Uptake of cleaner powertrain technologies in the European truck market J J Gómez Vilchez, J Krause, G Fontaras, European Commission, JRC, IT Simulating the effects of tax exemptions for plug-in electric vehicles in Norway P Pfaffenbichler, University of Natural Resources and Life Sciences; G Emberger, TU Wien, AT; E Figenbaum, N Fearnley, Institute of Transport Economics, NO</p>
Transport Models	<p>NATIONAL MODELS Session Chair: A simple model versus a complex model; what do we gain? B Zondag, J Willigers, Significance; F Hofman, Rijkswaterstaat, Dutch Ministry of Infrastructure and Water Management, NL Strategic transport model Austria VMÖ – ready to use S Grebe, CE Delft, NL; G de Jong, Significance, NL and ITS Leeds, UK; C Wampera, BMK -Austrian Federal Ministry of Climate Action, Environment, Energy, Mobility, Innovation and Technology; C Obermayer, OEBB Infrastruktur AG; R Pompl, ASFINAG - Autobahnen- und Schnellstraßen-Finanzierungs-Aktiengesellschaft, AT Integration of different data sources in a systematic calibration of travel demand model system G Vyas, P Vovsha, Bentley Systems, US</p>	<p>TRAFFIC ASSIGNMENT Session Chair: A fast path-based algorithm for traffic assignment on large networks A Schneck, PTV, DE Appraisal of mountainous routes within the National Road Transport Model (NRTM) of Romania: implementing the International Roughness Index (IRI) H Falih, A Ostawal, P Lall, WSP, UK A single Level formulation for travel demand estimation under stochastic user equilibrium using traffic data M Eldafrawi, G Gentile, Sapienza University of Rome, IT Statistical noise in travel demand models: when should we care about it? L Brederode, DAT.Mobility; P Klein Kranenbarg, Twente University/DAT.Mobility, NL</p>	<p>MATRICES Session Chair: Mode choice logit estimation on mobile network data A Andersson, M Börjesson, VTI Swedish National Road and Transport Research Institute, and Linköping University, SE; N Breyer, Linköping University, SE; A Daly, University of Leeds, UK; L Engelson, Linköping University; I Kristoffersson, VTI Swedish National Road and Transport Research Institute, SE A procedure for adjusting demand matrices for simulation-based dynamic traffic assignment M Mahut, Bentley Systems, CA First large scale application of a static matrix estimation method on observed travel times, congestion patterns and link flows L Brederode, Delft University of Technology/DAT.Mobility; I Hilderink, Province of Noord-Brabant/IMREK; M Heynickx, Province of Noord-Brabant, NL</p>
Transport Models	<p>URBAN AIR MOBILITY (Joint session with Aviation) Session Chair: Users' acceptance and willingness to pay for urban air mobility services: modeling evidences with an application to a case study in Italy P Coppola, F De Fabiis, L Barbierato, Politecnico di Milano; F Silvestri, University of Rome Tor Vergata, IT UAM expected travel demand for airport shuttle services: SP investigation and preliminary results M Brunelli, C C Ditta, M N Postorino, University of Bologna, IT 3D Urban Air Networks for future urban air transport systems M Brunelli, C C Ditta, M N Postorino, University of Bologna, IT</p>	<p>USING MODELS FOR FREIGHT SOLUTIONS (Joint session with Freight and Logistics) Session Chair: Decarbonizing the Norwegian freight transportation system S J Bakker, R van Beesten, I Brynildsen, A Sandvig, M Siqveland, A Tomasgard, Norwegian University of Science and Technology (NTNU), NO Alternative freight model structures and their data dependencies – lessons from the US and Australia C McHugh, Tom van Vuren, Veitch Lister Consulting; P Camargo, Outer Loop Consulting, AU Modelling vans; a detailed insight into travel behaviour W Cui, L Monaghan, Transport for the North; M Buckley, WSP, UK</p>	<p>MODELLING FRAMEWORKS Session Chair: Comparison of policy scenarios with trip-based and econometric activity-based models with static and dynamic assignment L Clarke, T Cleugh, J Zill, T Veitch, Veitch Lister, AU A unified framework for tour-based demand modelling Y Xiang, S She, M Zheng, H Liu, H Lei, SUTPC - Shenzhen Urban Transport Planning Center, CN Generating a microscopic dataset of passenger mobility from a national macroscopic travel demand model and a household travel survey T Mocanu, J Joshi, DLR - Institute of Transport Research, DE</p>