Friday 20 September 2024				
	Session 8	Session 9	Session 10	Session 11
Stream	0930 - 1030	1100 - 1230	1330 - 1500	1530 – 1700
AVIATION		**BEHAVIOURAL MODELS, eVTOL TECHNOLOGY PREPARATION AND INSPIRING A NEW GENERATION** **Session Chair:** **Behavioural Models to Assess Urban Air Mobility (UAM) Services** 2024-8611 P Coppola, F De Fabiis, F Silvestri, Politecnico di Milano, IT **How do we prepare for the potential impacts of emerging eVTOL technologies?** 2024-8630 A M Gonzalez-Zaera, M Pooke, Connected Places Catapult, UK		
DATA		**MACHINE LEARNING AND AI** **Session Chair:** **Panning for gold: Identifying opportunities for public transport interventions through machine learning and appraisal automation** 2024-8597 D Arquati, L McGrath, Transport for London, UK **Applying Machine Learning methods and Discrete choice modeling for mode choice predictions** 2024-8453 S Hershkovich, A Ferdman, S Bekhor, Technion Israel Institute of Technology, IL **AI estimation of number of employees based on open data** 2024-8370 T Nikodem, M A Chaudhry, PTV Planung Transport Verkehr GmbH, DE	**ACCEPTANCE OF NEW TECHNOLOGY** **Session Chair:** **Deliberative research: public attitudes to the Department for Transport's use of AI in consultations and correspondence** 2024-8605 G Hothersall, C Senese, H Bullock, Department for Transport, UK **Evaluation of the Impression of the Exterior of Autonomous Buses and How This Impression Elicits Cooperative Behaviour** 2024-8336 A Hoshino, A Taniguchi, University of Tsukuba; T Kawai, National Traffic Safety and Environment Laboratory, JP **Integration of S-pedelecs into the existing mobility system: acceptance of different regulations from a user-centered perspective** 2024-8495 M van Eggermond, L Hardegger, N Haiderer, S Gantenbein, D Schaffner, University of Applied Sciences Northwestern Switzerland, CH	
FREIGHT AND LOGISTICS STREAM A	**POLICY** **Session Chair:** **The Impact of CSRD on small and medium-sized enterprises (SMEs)** 2024-8503 J Hintjens, AP University College Antwerp, BE **Codesigning decision pathways for road freight decarbonization** 2024-8400 P Churchman, T Dekker, K Pangbourne, Institute for Transport Studies, University of Leeds, UK	**ROADS – ERS** **Session Chair:** **Sustainability and Resilience of the eHighway System** 2024-8461 M A Scheyltjens, J Wilke, L Bremer, R Linke, E Kassens Noor, Technical University Darmstadt, DE **Feasibility of the Implementation and Extension of an ERS System: Case Study – ELISA Project** 2024-8488 D Gurske, O Ozturk, Autobahn GmbH, DE **Conditions for Electric Roads in Sweden** 2024-8675 K Ounsi, E Johansson, M Andersson, K Paulsson, A Aberg, D Hersle, WSP; J Waidringer, University of Boras, SE	**URBAN – GREEN POLICY** **Session Chair:** **Last mile in e-commerce: Identifying drivers to sustainability** 2024-8276 I González Romero, J C Prado Prado, University of Vigo, ES **Carbon-Free deliveries:What are the regulatory obstacles and how to make last-mile deliveries more sustainable?** 2024-8656 M Kolacz, Maastricht University, NL **Regional Energy and Mobility Impact Analysis of Off-Hours Delivery** 2024-8661 O Sahin, A Ismael, Argonne National Laboratory, USA; M Stinson, United States Department of Transportation, USA	**MODE CHOICE** **Session Chair:** **Integrating Pipeline Transport into the National Freight Model: A Comprehensive Analysis** 2024-8306 J Kiel, Panteia; M de Bok, J Muller, Significance; M Kraan, Ecorys; M van den Berg, Rijkswaterstaat, NL **Complexity of Mode Choice in Port-Hinterland Connections** 2024-8373 K Tahaney, C Sys, T Vanelslander, University of Antwerp, Department of Transport and Regional Economics, BE **Transport planning in port areas based on dependency risk paths** 2024-8460 E Macchiavello, Port Authority of Genoa, IT

FREIGHT AND LOGISTICS STREAM B	REGULATION **Session Chair:** **Road Freight Transport in the EU beyond mobility package I: changed rules, better regulation?** 2024-8622 F L Williams, W Verheyen, University of Antwerp, BE **Civil liability for autonomous transport. A review of legislative measures and proposed solutions across the transport modes** 2024-8657 C Domenighini, University of Antwerp, BE	URBAN – GREEN **Session Chair:** **A Green Shift in Urban Logistics: The Norway Electrification Case** 2024-8482 B Dong, I B Hovi, D R Pinchasik, O L Brunstad, Institute of Transport Economics, Norwegian Centre for Transport Research, NO **Advancing Urban Freight: Insights from Conventional Cargo Bike Deliveries to Inform Adaptive Automated Solutions** 2024-8617 M Kania, O von Guericke University Magdeburg, DE **Implementing Light Freight EVs for last mile logistics in the Historic Center of Quito (HCQ)** 2024-8639 G Lopez Realpe, Urban Electric Mobility Initiative; M R Munoz Barriga, Wuppertal Institute for Climate, Environment and Energy GmbH, DE	ROAD – ENERGY **Session Chair:** **Life Cycle Assessment of Heavy-duty Trucks: An Environmental Impact Study Comparing Alternative Fuels for Goods Movement** 2024-8302 S Dexter, University of Southern California, US **Electrification of Heavy-Duty Fleets: Challenges and Possibilities in the Hungarian Logistics Sector** 2024-8638 O Qasseer, A Boldizsar, P Bajor, N Szander, KTI Hungarian Transport Institute for Transport Sciences and Logistics, Budapest, HU **Life Cycle Assessment Twin Comparison: Evaluating the CO2e Impact of Battery-Electric and Diesel Heavy-Duty Trucks through real-world Freight Company Driving and Energy Data** 2024-8560 H Piepenbrink, C Rahlf, H Flaemig, Hamburg University of Technology, DE	ROAD - EMISSIONS **Session Chair:** **Towards an ideal state of logistics emissions reporting – From challenges to solutions** 2024-8366 E Kallionpää, R Viri, H Liimatainen, Tampere University, Transport Research Centre; L Nykanen, Vediafi, FI **Explorative Study on Air Quality Impacts of Overhead Hybrid Trucks on Road User Exposure** 2024-8428 L Bremer, E Kassens Noor, R Linke, J Wilke, M A Scheyltjens, TU Darmstadt; B Kessler, Yusen Logistics, DE
GLOBAL TRENDS IMPACTING TRANSPORT STREAM A	TRANSPORT MARKET IMPACT **Session Chair:** **Assessing socio-economic risks of an energy shock through an indicator of "complete" oil vulnerability** 2024-8325 R Grimal, Matris, FR **Contingency of Antagonistic Threats to Transport Systems – A Literature Review** 2024-8380 I Johansson, E Jenelius, KTH Royal Institute of Technology; F J Marquez Fernandez, The Swedish National Road and Transport Research Institute, SE	DECARBONISATION **Session Chair:** **The Importance of Mode Split in Decarbonising Transportation** 2024-8571 D Krevesic, Glanville Consultants, UK; D Gruhonjic, M Sostaric, Faculty of Transport and Traffic Science, University of Novi Sad Zagreb, HR **Challenges and Solutions for Transport Decarbonisation in Ireland Considering Technological, Social and Policy Implications** 2024-8267 A S Adekanbi, Dublin City University, IE **Optimised transport decarbonization under EU energy market and policy scenarios** 2024-8609 F D Sanvito, S Pfenninger, Technische Universiteit Delft, NL; F De Fabiis, P Coppola, Politecnico di Milano, IT	TRANSPORT EMISSIONS **Joint session with Local Public Transport** **Session Chair:** **The sustainable transition of building transport infrastructure** 2024-8673 C Koch, University of Southern Denmark, DK; D Kifokeris, Chalmers University of Technology, SE **Investigating The European Union's Combustion Engine Vehicle Ban Impact on Transportation GHG emissions** 2024-8293 M A Saafi, Aramco, US **Towards a Global Standard for Estimating Life Cycle Greenhouse Gas Emissions from Public Transport Services** 2024-8474 M Kapetanović, N van Oort, Delft University of Technology, NL	
GLOBAL TRENDS IMPACTING TRANSPORT STREAM B	TRAVEL MANAGEMENT **Session Chair:** **Travel experience: can aesthetics increase the use of public transports?** 2024-8280 J Crouzet, ENPC, Telecom Paris; B Cahour, CNRS, I3, Telecom Paris, IPP, FR **Using travel demand to manage hot routes on London's Tube and Rail networks** 2024-8512 L Gibson, Transport for London, UK			
INTELLIGENT MOBILITY – MANAGEMENT AND OPERATIONS	TRAFFIC MANAGEMENT FOR INTERSECTIONS **Session Chair:** **Impact evaluation of GLOSA C-ITS Use Case through modeling: an application within the C-Roads project** 2024-8535 M Ponti, L Studer, Politecnico di Milano, IT **Understanding Drivers' Lane Choice Behavior at Pre-Signalized Intersections** 2024-8694 R van Rooijen, Ministerie van Infrastructuur en Waterstaat, NL	SAFETY ISSUES **Session Chair:** **Application of machine learning and low-cost sensors to monitor indoor air in vehicles – Towards the reduction of road accidents risk** 2024-8409 A Silva, P Branco, F Martins, S Sousa, Faculty of Engineering of the University of Porto, PT **Effects of Non-Driving Related Tasks on Driving Performance after Take-Over Request in Automated Vehicles (Level 3)** 2024-8319 M Horakova, L Krejci, CDV, Transport research centre, CZ **Impact assessment of the C-ITS Use Case "Stationary Vehicle" within the C-Roads Project** 2024-8536 P Gandini, L Studer, Politecnico di Milano, IT	IMPACT OF TRAFFIC MANAGEMENT **Session Chair:** **The impact of sustainable transport measures on citizens: a data-based approach to civic engagement from Berlin** 2024-8516 I Alsalamh, Arup, DE **A Quasi Experiment to Evaluate the Effectiveness of AID** 2024-8693 M Stemerding, Goudappel; H Taale, Rijkswaterstaat, NL **C-ITS in urban areas: impact evaluation methodology and results at C-Roads level** 2024-8618 L Studer, M Ponti, P Gandini, Politecnico di Milano, IT	TRAVELLER'S BEHAVIOUR AND MaaS **Session Chair:** **Focus Group Insights for Mobility as a Service and Travel Behaviour Change** 2024-8389 S S Sagmanli, D Ouelhadj, A Bullock, University of Portsmouth; N Dadashzadeh, Huddersfield Business School, UK **Organized mobility thorough cooperation between mobility service providers** 2024-8403 B Wagner, Vienna University of Economics and Business, AT **Investigating the Intention to Use Demand-Responsive Transportation Services: Insights from a Realistic-Context-based Stated Adaptation Experiment** 2024-8465 S Li, S Rasouli, H Timmermans, Eindhoven University of Technology, NL

LOCAL PUBLIC TRANSPORT	DEMAND RESPONSIVE TRANSPORT	MULTIMODAL	TRANSPORT EMISSIONS	TECHINCAL VISIT
	Session Chair: **Demand Responsive Transport System modes in Europe: Case studies from Scotland and Northern Hungary** 2024-8338 J P Lieszkovszky, KTI Hungarian Institute for Transport Sciences and Logistics, HU **Demand-responsive public transport systems: opportunities and threats** 2024-8492 M de Haas, A Durand, KiM Netherlands Institute for Transport Policy Analysis, NL	**Session Chair:** **Co-designing a MaaS platform for Nottingham and Derby with residents, stakeholders and MaaS providers** 2024-8287 B Goodsell, SYSTRA, FR **Passenger preferences for (emerging) public transport access/egress modes** 2024-8360 N Gerzinic, Delft University of Technology; M van Hagen, H Al Tamimi, Dutch Railways NS; D Duives, N van Oort, Delft University of Technology, NL **Who combines shared e-scooter and public transportation?** 2024-8640 B Berg Wincent, E Jenelius, W Burghout, KTH Royal Institute of Technology, SE	**Joint session with Local Public Transport**	
PLANNING FOR SUSTAINABLE LAND USE AND TRANSPORT STREAM A	**DECARBONISATION** **Session Chair:** **Climate neutral transport in 2050: the case for the Netherlands** 2024-8530 G Geilenkirchen, A Nusteling, Environmental Assessment Agency; J Harmsen, TNO, NL **Understanding the Acceptance and Design of Personal CO2 Budgets for Mobility: Insights from an Intervention Study** 2024-8538 K Stark, H Marquart, DLR, DE	**SHARED MOBILITY** **Session Chair:** **Bikesharing – a (gender-)fair alternative?** 2024-8298 C M Rutka, Hochschule RheinMain, DE **Car sharing user groups and their changes in car ownership: a latent cluster analysis from the Netherlands** 2024-8423 J J Witte, L Kolkowski, KiM Netherlands Institute for Transport Policy Analysis, NL	**EV** **Session Chair:** **Still on track for electrification? A fuzzy-set qualitative comparative analysis of e-mobility policy mixes in 15 European cities** 2024-8353 T Held, L Gerrits, Erasmus University Rotterdam, NL **Unlocking the Opportunities for E-mobility in Public Transport: A Case Study of Izmir and Gaziantep** 2024-8623 N Altınel, Arup, NL **Electrifying New Zealand: Analysing the Influence of Electric Vehicles on the Electricity Distribution Network** 2024-8284 A Sreenivasan, Robinson Bowmaker Paul; T Downward, Contact Energy; M S Sheng, L Wen, R Majhi, P Ranjitkar, The University of Auckland, NZ	**SPECIAL SESSION – HOW LOWER SPEED LIMITS SAVE LIVES, PROMOTE BIKING AND WALKING, AND IMPROVE LIVEABILITY** 2024-8355 **Session Chair: Michelle DeRobertis** **Vision Zero: Revisiting what Sweden means by Vision Zero** M Hakansson, Guidance to Zero, SE **Reducing and Enforcing Speed Limits in Bogotá: Progress and Challenges** D Hidalgo, Pontificia Universidad Javeriana, CO **Successful implementation of 30 KM speed limits on residential streets** U Müller, Department for Mobility and Transport, Aachen, DE **20Mph urban/village limits – the journey from local intervention to national norm** R King, 20 is Plenty Campaign, UK
PLANNING FOR SUSTAINABLE LAND USE AND TRANSPORT STREAM B	**TRAVEL BEHAVIOUR, PROFILES** **Session Chair:** **The UK Department for Transport's User Personas** 2024-8323 C Senese, H Bullock, M Drake, Department for Transport, UK **An application of Latent Class Analysis to explore the impact of sociodemographics on travel behaviour profiles – the importance of sociodemographics in transport policy** 2024-8655 N M Eichenauer, N van Oort, B van Wee, J A Annema, TU Delft, NL	**INFRASTRUCTURE PLANNING** **Session Chair:** **Which alternatives for residential parking can impact residential parking requirements in Antwerp? A discrete choice experiment** 2024-8354 J Martens, T Vanoutrive, M Van Acker, University of Antwerp, BE **Strategic road investment plan for improving rural access** 2024-8383 G Acciaro, NET Engineering srl; N Polizzotti, STP srl; F Angelelli, Independent Consultant, IT **Sustainable Strategies for Urban Infrastructure: A Data-Driven Approach to Bridge and Quay Wall Restoration in Amsterdam** 2024-8522 C van der Sluijs, L Borst, K Zantema, Gemeente Amsterdam, NL	**SPECIAL SESSION – SYSTEM THINKING (ST) APPROACH: A WORKSHOP FOR A SUSTAINABLE CITY** **Joint special session with Young Researchers' and Practitioners' Forum and System and Dynamics**	
RAIL POLICY AND PLANNING	**MODELS FOR FUTURE PROPULSION IN RAIL** **Session Chair: Neil Fleming** **Enabling Battery-powered Train Operation: Power Forecast Model for Overhead Catenary Islands in Regional Passenger Railway** 2024-8375 S Herwartz-Polster, J Pagenkopf, German Aerospace Agency, Institute of Vehicle Concepts, DE **An pareto-optimization model for cost-minimal configuration of battery trains and recharging infrastructure** 2024-8481 C Streuling, S Arens, M Schenker, J Pagenkopf, German Aerospace Center, Institute of Vehicle Concepts, DE	**INCREASING RAIL SHARE** **Session Chair: Kristīne Malnača** **The e-bike: opportunity or threat to the train system?** 2024-8500 M de Bruyn, NS Netherlands Railways; D Ton, NS Stations, NL **Environmental impact of rail and path to sustainability** 2024-8584 S Bizzotto, I Pagand, T Holvad, F Rotoli, M Van Balen, E Valeri, T Willems, European Union Agency for Railways, INT **Recommendations for the need to improve public perception for choosing rail over air for domestic journeys** 2024-8598 T Dunn, A Chidambaram, The Hub Transport Advisory, UK	**RAIL USERS, WHAT'S NEW?** **Session Chair: Charles Harmer** **Changing use of the GB rail network** 2024-8318 J Siraut, Jacobs, UK **Factors Contributing to the Disparity in Long-Distance Railway Patronage Rebound** 2024-8445 V Oszter, KTI Hungarian Institute for Transport Sciences and Logistics, HU **Strategic implications for future rail investment four years after the start of the pandemic** 2024-8698 A Smyth, Transport Analysis and Advocacy; B Condry, Imperial College London, UK	

SYSTEM DYNAMICS			**SPECIAL SESSION – SYSTEM THINKING (ST) APPROACH: A WORKSHOP FOR A SUSTAINABLE CITY** **Joint special session with Planning for Sustainable Land Use and Transport and System and Dynamics**	
TRANSPORT ECONOMICS, FINANCE AND APPRAISAL	**ECONOMICS OF SUSTAINABLE TRAVEL** **Session Chair:** **Vehicle electric acceleration for cities sustainability: Tax incentives or just price?** 2024-8652 A Ruiz Rua, C Gijon, F Fernández Bonilla, U.N.E.D., ES	**ECONOMIC APPRAISAL** **Session Chair:** **An assessment of the state of the art in economic appraisal for active modes - and research & development options for a national government body** 2024-8547 J Nellthorp, Institute for Transport Studies, University of Leeds; A Fletcher, C Stewart, C Smith, Active Travel England, UK **Towards a paradigm shift in cost-benefit analysis methodologies** 2024-8691 R Wolfs, Sweco Belgium, BE **Value of travel time and crowding: can we properly estimate one without the other?** 2024-8429 D Tordai, KTI Hungarian Institute for Transport Sciences, Budapest University of Technology and Economics, HU; D Horcher, Imperial College London, Budapest University of Technology and Economics, UK and HU; A Munkácsy, KTI Hungarian Institute for Transport Sciences, Budapest University of Technology and Economics, HU	**ASSESSING THE TRUE COSTS OF POLICY APPRAISAL** **Session Chair:** **Welfare effects of free public transport** 2024-8427 F Jorgensen, G Solvoll, Nord University, Business School, NO **The real user cost coverage of passenger transport** 2024-8444 I Kövesdi, B Acs, KTI Hungarian Institute of Transport Sciences and Logistics; B Horvath, Szechenyi Istvan University, HU **Evaluation of tax-free travel expenses scheme** 2024-8491 B Zondag, J Willigers, Significance; A Schroten, CE Delft, NL	
TRANSPORT MODELS		**TRAFFIC ASSIGNMENT** **Session Chair:** **The development of a pseudo real-time model for the A4 Milano Torino motorway** 2024-8397 A Brignone, citiEU Consultancy LTD, IT; D Rossi, Polinomia srl, IT **Using a capacity and storage constrained static traffic assignment model in real-world applications – lessons learned in the Flemish traffic modelling suite** 2024-8440 J De Coster, P Van Houwe, MINT, BE; D Borremans, Flemish government DMOW, BE **Static traffic assignment with Queues (STAQ) without route enumeration** 2024-8590 L Brederode, DAT.Mobility, NL	**MODEL REALISM** **Session Chair:** **Verification of traffic model forecasting methods using a backcast** 2024-8413 G McAdam, National Highways, UK; H Norman, Arup, UK; A Feeney, AECOM, UK **Elasticities generated with the Dutch National Model System for traffic and transport (LMS)** 2024-8509 F Hofman, E Molenwijk, Rijkswaterstaat, NL; D Bakker, R Smid, 4Cast, NL **How should we balance the sometimes-competing measures of demand model validity – are we missing a trick?** 2024-8696 P Davidson, A Thomas, R Culley, Peter Davidson Consultancy Ltd, UK	**MODELLING PARKING** **Session Chair:** **Increasing the Attractiveness of Park and Ride by Reducing Uncertainty with the Help of a Forecasting Model for Capacity Utilization** 2024-8425 J Hamann, T Hagen, Frankfurt University of Applied Sciences, DE **Modelling impact of On-street Parking Pricing on Mode Choices** 2024-8502 N Gupta, School of Planning and Architecture Vijayawada, IN **Agent-Based Traffic Simulation Enhanced by Bayesian Statistics Parking Choice Modeling Using Trip Trajectory Data** 2024-8644 P Rajan, F Fakhrmoosavi, University of Connecticut, USA; K Gurumurthy, A Ismael, N Khan, Argonne National Laboratory, USA
YOUNG RESEARCHERS' AND PRACTITIONERS' FORUM		**ROADS BEYOND CHALLENGES: FROM RESILIENT INFRASTRUCTURE TO SMART SOLUTIONS** **Session Chair:** **SMART ROAD Assessment** 2024-8541 M Sala, G Brancaccio, G Acciaro, M Sartori, NET Engineering; A Lai, E Saponaro, TRT Trasporti e Territorio; Eugenio Morello **Economic Impacts of Transport Infrastructure Upgrade of Italian trans-Apennine Connections** 2024-8608 F Guglielmi, F De Fabiis, Politecnico di Milano, IT **Enhancing Resilience of Road Networks against Extreme Weather Events: The Case study of the storms "Daniel" and "Elias" in the Region of Thessaly, Greece** 2024-8672 G Papaioannou, P Mavrogenidou, I Karakikes, A Polydoropoulou, University of the Aegean, GR; G Salvo, University of Palermo; L Sanfilippo, A Brignone, citiEU Consultancy LTD, IT	**SPECIAL SESSION – SYSTEM THINKING (ST) APPROACH: A WORKSHOP FOR A SUSTAINABLE CITY** **Session Chair:** **System Thinking (ST) approach: a workshop for a sustainable city** 2024-8646 G Acciaro, O Zeqo, M Villani, M Sala, G Brancaccio, G Gatto, L Zamunaro, M Sartori, NET Engineering, IT	**UNCOVERING DYNAMICS, DESIGN, AND DEMAND IN ACTIVE TRANSPORTATION** **Session Chair:** **The effect of price: analysing the decline in London bikesharing demand following a change in fare structure** 2024-8473 J Ward, Ramboll, UK **Seasonal Variation in Micro Mobility: when, who and what?** 2024-8607 Z Birhanu Biramo, D Nag, T Torset, Norwegian University of Science and Technology; K Pitera, Oslo Metropolitan University, NO **Limitations to Designing, Implementing and Using Cycling Infrastructure for Schoolchildren** 2024-8697 F Alawad, WSP, UK