

Thursday 8 September				
	Session 4	Session 5	Session 6	Session 7
Stream	0930 – 1100	1130 – 1300	1400 – 1530	1600 – 1800
50 years of ETC				A special session looking back at highlights of the conference, first held in 1973 What can we learn from the experience of the past to take forward to the future?
Transport Planning Society			Connecting transport planning professionals across Europe Invited speakers, panel discussion and audience participation	
Young Researchers' and Practitioners' Forum	BEHAVIOUR CHANGE – ENVIRONMENT Session Chairs: Effects of the COVID-19 pandemic on air quality and human health in Ireland E O'Gorman, S Whyte, Arup, IE Mitigation, adaptation and scenario planning for the development of an 'anti-fragile' transport system L Baglietto Castellares, Arup, UK Behaviour change: the impacts of the climate emergency and Covid-19 on long term travel patterns and the future for long term investment planning D Abberley, AECOM, UK	CITIES MOVED BY SUSTAINABLE TRANSPORT Session Chairs: Energy consumption and impacts on service model: E-bus test on BRT corridor M Masini, NET Engineering S.r.l., IT Sustainable transport in Shanghai: lessons for the future N Thakurani, Sweco UK Ltd., UK Come fly with me (sustainably) – pathways to sustainability in general aviation: empirical findings from a mixed-methods study on recreational general aviation M Stiebe, Institute of Sustainable Development, Zurich University of Applied Sciences, CH	YRPF WORKSHOP AND NETWORKING	DATA DRIVEN APPROACHES Session Chairs: Gender and public transport in Delhi: the impact of urban environment and infrastructure on crowdedness and travel patterns A Gohler, Jacobs, UK A procedural building generator based on real-world data enabling designers to create context for XR automotive design experiences D Salpisti, M de Clerk, S Hinz, F Henkies, G Klinker, Technical University of Munich/BMW Group, DE Inference of Origin-Destination matrices for assessing the spatio-temporal attractiveness of public transport in relation to car travel: a case study in the city of Lisbon S Cerqueira, INESC-ID and Instituto Superior Técnico, University of Lisbon and LNEC, Department of Transport; E Arsenio, LNEC, Department of Transport; Rui Henriques, INESC-ID and Instituto Superior Técnico, University of Lisbon, PT Dynamic time warping-based imputation for long gaps in GPS mobility research D M McCool, Utrecht University and Statistics Netherlands; P L Lugtig, Utrecht University; B Schouten, Utrecht University and Statistics Netherlands, NL
Aviation			AVIATION (Joint session with Rail Policy and Planning) Session Chair: The Dutch national CO2-emission ceiling for aviation S Grebe, J Faber, CE Delft; G van Eck, Significance; A van Velzen, TAKS, NL Decarbonisation of aviation and the policy role for rail S Ratnayaka, Transport for London, UK The Fit for 55 proposals: effects on aviation and the role that rail can play C X Ng, M Granatstein, J Davidson, Oxera Consulting LLP, UK	AVIATION Session Chair: Flight shame and flight tax in the Netherlands E Kroes, C Bal, E P Kroes Beheer B.V., NL Economic research on the impacts of carbon pricing on the UK aviation sector C Mitchell, Department for Transport, UK Impact of airport capacity constraints on air service provision N Dennis, University of Westminster, UK

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Global Trends impacting Transport	<p><u>ELECTRIC MOBILITY</u> (Joint session with Data) Session Chair: A data-driven approach in identifying the key barriers for electric vehicle uptake in the UK W Wang, Wood, UK Electric shared mobility and the shift to zero-carbon - novel insights on mode substitution patterns G Bösehans, M Bell, N Thorpe, D Dissanayake, University of Newcastle, UK EV-share development: speed vs interest to adopt R Viri, J Mäkinen, Tampere University, FI</p>	<p><u>NEIGHBOURHOODS</u> (Joint session with Planning for Sustainable Land Use and Transport) Session Chair: Michael Bach, Independent Consultant, UK Young people’s perspectives on 15-minute city: evidence from the metropolitan area of Cagliari (Italy) B Scappini, F Piras, I Meloni, University of Cagliari, IT Walking for everyone G Meeran, T Burns, R Fusco, Arup, UK Liveable neighbourhoods: towards a healthier, safer, greener and stronger Lancashire C Greenwood, R Hiorns, Atkins; A Hewitson, Lancashire County Council, UK</p>	<p><u>ACTIVE MOBILITY</u> (Joint session with Planning for Sustainable Land Use and Transport) Session Chair: The Budapest Suburban Cycling Strategy - towards sustainability and multimodality on a regional scale C Kelen, T Kerényi, A Gertheis, Z Barna, BFK Budapest Fejlesztési Központ Nonprofit Zrt., HU The effect of norm information on the intention to use sustainable mobility: a random trial D Giubergia, G Tuveri, F Piras, E Sottile, I Meloni, University of Cagliari, IT</p>	<p><u>PUBLIC ENGAGEMENT</u> Session Chair: Individual transport identities and innovation in transport choice G Harrison, S Romano, University of Leeds, UK Co-creating urban mobility services: guidelines for improving public participation in a socio-technical transition context S P Duarte, CITTA - Research Centre for Territory, Transports and Environment, Faculty of Engineering of the University of Porto; J Pinho de Sousa, J Freire de Sousa, INESC TEC/Faculty of Engineering, University of Porto, PT Multiple autonomous vehicles in Brazil and France: innovation, technology, society and their controversies K Carvalho Vieira, V de Castro Alcântara, T Assis de Souza, A Grutzmann, I Nicolai, Universidade Federal de Lavras – UFLA, BR Driver 2020 K Asuni, Department for Transport; S Helman, TRL, UK</p>
Planning for Sustainable Land Use and Transport	<p><u>TRIPLE ACCESS PLANNING</u> (Joint session with System Dynamics) Session Chair: Daniëlle Snellen, PBL, NL Putting triple access planning and uncertainty into sustainable urban mobility plans S Cragg, Transport Scotland; G Lyons, D Paddeau, K Chatterjee, T Calvert, University of West of England, UK; V Marchau, M Attia, S Lenferink, Radboud University, NL; J Witzell, Swedish Road and Transport Research Institute VTI and KTH Royal Institute of Technology; T Svensson, KTH Royal Institute of Technology and Dalarna University, SE; A Plevnik, T Rye, L Mladenovič, Urban Planning Institute of the Republic of Slovenia, SL; G Francello, F Piras, University of Cagliari, IT</p>	<p><u>STRATEGIC PLANNING</u> Session Chair: Mélanie Bosredon, David Simmonds Consultancy, FR Building the resilience of urban mobility in the face of an uncertain future S Tori, G te Boveldt, I Keserü, Vrije Universiteit Brussel, BE Scotland’s 2nd Strategic Transport Projects Review – protecting our climate and saving lives S Turnbull, Jacobs; N Halket, AECOM; P Junik, Transport Scotland, UK</p>	<p><u>SUBURBAN PLANNING</u> Session Chair: Are rural and semi-urban population ready to change their transport habits for climate? E Grison, D Scheiblhofer, S Morgagni, SNCF, FR Prospects for the French SUMP at 40: continued improvement and the birth of a simplified SUMP, studied in eight territories M Gent, Cerema, FR</p>	<p><u>NEW HOUSING</u> Session Chair: Planning for future mobility trends: a case study A Dudley, S Yeates, Atkins, UK Effects of different mobility concepts in new residential areas M Heinrichs, S Schöne, J Geischberger, M Lopez-Diaz, DLE, DE Can sustainable transport provision for new housing development lead to behaviour change? a Stated Preference case study in a small city in Northern England K Abdullah, S Faruque, S Makov, H Maier, Jacobs; R Askew, R Nicholls, Lancashire County Council, UK New home, new habits! Can moving homes impact people’s travel behaviour? Insights from practice and policy in the Netherlands and the UK T Leferink, Technical University Eindhoven, NL; F Bjersing, Arup, UK</p>
Planning for Sustainable Land Use and Transport		<p><u>NEIGHBOURHOODS</u> (Joint session with Global Trends impacting Transport) Session Chair: Michael Bach, Independent Consultant, UK Young people’s perspectives on 15-minute city: evidence from the metropolitan area of Cagliari (Italy) B Scappini, F Piras, I Meloni, University of Cagliari, IT Walking for everyone G Meeran, T Burns, R Fusco, Arup, UK Liveable neighbourhoods: towards a healthier, safer, greener and stronger Lancashire C Greenwood, R Hiorns, Atkins; A Hewitson, Lancashire County Council, UK</p>	<p><u>ACTIVE MOBILITY</u> (Joint session with Global Trends impacting Transport) Session Chair: The Budapest Suburban Cycling Strategy - towards sustainability and multimodality on a regional scale C Kelen, T Kerényi, A Gertheis, Z Barna, BFK Budapest Fejlesztési Központ Nonprofit Zrt., HU The effect of norm information on the intention to use sustainable mobility: a random trial D Giubergia, G Tuveri, F Piras, E Sottile, I Meloni, University of Cagliari, IT</p>	

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Stream				
Transport Economics, Finance and Appraisal	<p>APPRAISAL 1 Session Chair: New tools and approaches for active mode appraisal in Ireland C Maguire, C Murray, AECOM; D Keenan, D Brennan, D Brady, Transport Infrastructure Ireland – TII, IE</p> <p>Economic modelling of urban multimodal mobility demand S Parenty, I Laplace, ENAC, FR</p> <p>Evolving project appraisal in Irish transport projects P Shiels, J Humphreys, D Brennan, S Dunny, AECOM, IE</p>	<p>MODELLING THE FUTURE OF DEMAND (OF RAIL AND AIR) (Joint session with Rail Policy and Planning) Session Chair: Air and rail competition in Europe: measures of substitution paths P Arich, I Laplace, S Parenty, C Roucolle, ENAC, Université de Toulouse, FR; A Paul, Bauhaus Lufthart, DE; T Bolic, University of Westminster, UK</p> <p>Forecasting demand for new rail stations and lines in Great Britain using a gravity model suite A Marsden, Department for Transport, UK</p> <p>A data driven approach to longitudinal analysis of rail fare elasticities in Britain S Boddy, A Coates, P Hanson, R Tolouei, AECOM; S Deng, Rail Delivery Group, UK</p>	<p>TAX AND PRICING Session Chair: Optimal dynamic tolls for commuting during transition phase from manual car to fully autonomous vehicle environment S Sarwar, S Saurí, Center for Innovation in Transport (CENIT), ES</p> <p>Road user charging - has its time come at last? J Siraut, Jacobs, UK</p> <p>Impact assessment of superblocks on urban mobility in the era of automated vehicles: a cost-benefit analysis perspective S Sarwar, S Saurí, G Majoral, Center for Innovation in Transport (CENIT), ES</p>	<p>APPRAISAL 2 Session Chair: Cost of carbon in transport infrastructure appraisal – an international comparison and review of impacts based on current practice K Rahmatabadi, N Bowyer, M Turner, P Hanson, AECOM, UK; C Maguire, AECOM, IE; C Karlsson, AECOM, SE; R Sharma, A Window, AECOM, AU; A Hume, AECOM, NZ</p> <p>Exploration of the nexus between solar potential and electric vehicle uptake: evidence from New Zealand L Wen, M Sheng, The University of Auckland, NZ</p> <p>Adopting hydrogen technology in air transport: an evolutionary game theory approach S Chen, S Bravo Melgarejo, R Mongeau, E Malavolti, ENC, FR</p> <p>National variations in emission target compliance across the EU D Berthold, M-Five, DE</p>
Local Public Transport	<p>COVID AND PUBLIC TRANSPORT Session Chair: The decline of public transport during the COVID-19 pandemic – results of a multiple-wave study in Germany C Nobis, V Kolarova, DLR, Institute of Transport Research, DE</p> <p>Public transport network benefits arising from hybrid working T Lee-Williams, A Menendez, L Miller, Arup, IE</p> <p>Public transport and sustainable mobility in Italy's recovery and resilience plan F M M Cirianni, G Leonardi, Mediterranea University of Reggio Calabria; D Iannò, ATAM spa Public Transport Company, IT</p>	<p>TECHNOLOGY AND INNOVATION Session Chair: Towards full electrification of local public transport: a tool to guide strategies for implementing the electric charging network B Caroleo, P Lazzeroni, M Arnone, LINKS, IT</p> <p>Sounds, alerts or noise? Considerations on reasonable and innovative sound design for public transport E Fürst, G Lamprecht, WU Vienna, AT</p> <p>Research and innovation in public transport sector: the perspective of European projects M Stępnia, K Gkoumas, F Marques dos Santos, M Grosso, F Pekar, European Commission, Joint Research Centre, IT</p>	<p>MOBILITY AS A SERVICE (MaaS) Session Chair: Managing MaaS in the Midlands J Hawthorne, Independent Consultant, UK</p> <p>Using behavioural sciences to design inclusive future transport systems and promote sustainable behaviour change R Posner, M Hall, P Corcoran, Department for Transport, UK</p> <p>MaaS and expected impacts on LPT: Rome as a case study G Acciaro, NET engineering srl for Mobility Analysis, IT</p> <p>What is hindering the adoption of MaaS? A Sprey, TIER Mobility SE, DE</p>	<p>EMERGING CONCEPTS Session Chair: Cable propelled transport as a mode of public transport in Haifa N Chaviv, Netivei Israel, IL</p> <p>Comparing behavioural patterns and customer perception of ride-pooling services provided by private and public transit providers N Kistorz, P Tulodetzki, M Just, M Kagerbauer, P Vortisch, KIT - Karlsruhe Institute of Technology, DE</p> <p>Analyzing accessibility performance across various European integrated public transport systems C Jacobs-Crisioni, M Stępnia, European Commission, Joint Research Centre, IT</p>
Rail Policy and Planning	<p>POST-COVID DEMAND PROFILES: INTERNATIONAL REVIEW Session Chair: The rise of the sust traveller M van Hagen, Nederlandse Spoorwegen (NS), NL</p> <p>Predicting the impact of post-pandemic teleworking on rail demand in Switzerland P Manser, L Sieber, J Bischoff, I Kaddoura, P Bützberger, SBB CFF FFS, CH</p> <p>Emerging challenges: COVID-19 and climate change D Magriço, J Siraut, C Sheehy, T Fuller, Jacobs, UK</p>	<p>MODELLING THE FUTURE OF DEMAND (OF RAIL AND AIR) (Joint session with Transport Economics, Finance and Appraisal) Session Chair: Air and rail competition in Europe: measures of substitution paths P Arich, I Laplace, S Parenty, C Roucolle, ENAC, Université de Toulouse, FR; A Paul, Bauhaus Lufthart, DE; T Bolic, University of Westminster, UK</p> <p>Forecasting demand for new rail stations and lines in Great Britain using a gravity model suite A Marsden, Department for Transport, UK</p> <p>A data driven approach to longitudinal analysis of rail fare elasticities in Britain S Boddy, A Coates, P Hanson, R Tolouei, AECOM; S Deng, Rail Delivery Group, UK</p>	<p>AVIATION (Joint session with Aviation) Session Chair: The Dutch national CO2-emission ceiling for aviation S Grebe, J Faber, CE Delft; G van Eck, Significance; A van Velzen, TAKS, NL</p> <p>Decarbonisation of aviation and the policy role for rail S Ratnayaka, Transport for London, UK</p> <p>The Fit for 55 proposals: effects on aviation and the role that rail can play C X Ng, M Granatstein, J Davidson, Oxera Consulting LLP, UK</p>	<p>LISTEN TO THE CUSTOMER - KEEPING RAIL USERS ON BOARD (BEYOND COVID) Session Chair: How to segment psychological preferences of train passengers? M Van Hagen, Nederlandse Spoorwegen (NS), NL</p> <p>COVID-19 and travel behaviour: what future for rail 2 years on? A Smyth, Transport Analysis and Advocacy, UK</p> <p>The added value of user research in policy making: using low tech materials to identify travellers' information needs in public transport L Stam, R Schotman, Goudappel B.V./Meet4Research; M van Hagen, Nederlandse Spoorwegen, NL</p>

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Intelligent Mobility - management and operations	<p><u>AUTONOMOUS VEHICLES – SHARED MOBILITY</u> Session Chair: Pricing strategies for competing shared autonomous vehicles and public transit M D Simoni, KTH, SE</p> <p>Could the next generation of bike-sharing with autonomous cargo bikes be financially sustainable? I Haj Salah, V Dev Mukku, T Assmann, Otto-von-Guericke-Universität Magdeburg, DE</p> <p>Modelling people’s choices towards shared autonomous vehicles A M Gonzalez-Zaera, S Nagaraju, Connected Places Catapult, UK</p>	<p><u>ELECTRIC VEHICLES – IMPACT</u> Session Chair: The evaluation of rental e-scooter trials in England A Moreno-Pelayo, M Dillon, N Rahim, L Anderson-Crook, C Mottram, Arup, UK</p> <p>Emissions in a regulated world: why most Electric Vehicles emissions estimates are misleading J Massiani, A Miranda, Università Milano Bicocca, IT</p> <p>Is electric micro-mobility contributing to transport-related social exclusion (TRSE)? the case of e-scooter trials in London D Oviedo, H Titheridge, A Mashayekhi, T Comelli, N Al Hurr, University College London, UK</p>	<p><u>ELECTRIC VEHICLES – CHARGING INFRASTRUCTURE</u> Session Chair: EV Infrastructure in times of growth and uncertainty K Bevis, University of Hertfordshire; R Fenner, Resolution 9 Consulting, UK</p> <p>A spatio-temporal approach to electric vehicle uptake: evidence from New Zealand M S Sheng, L Wen, B Sharp, B Du, P Ranjitkar, D Wilson, The University of Auckland, NZ</p> <p>Approach for description of trajectories of overhead line trucks using infrastructure data of an electric road system J K Wilke, F Schöpp, R Linke, E Kaßens-Noor, TU Darmstadt, DE</p>	<p><u>IMPACT OF C-ROADS</u> Session Chair:</p>
Freight and Logistics	<p><u>SUPPLY CHAIN MANAGEMENT</u> Session Chair: Risk management in logistics: the path of SCRM enriched by procedural rationality N Jouve, L Vaillant, Cerema, FR</p> <p>Demurrage & detention: from operational challenges to solutions? K. Storms, C. Sys, T. Vanelslander, University of Antwerp, BE</p> <p>Transport covered by the Geneva Convention and new organizational methods, such as the so called “green last mile logistic” C Tincani, University of Verona, IT</p>	<p><u>FORECASTING FOR FREIGHT SOLUTIONS</u> Session Chair: Forecasting the future demand for containerized inland shipping on the traditional Rhine N Van Meir, K Storms, C Sys, T Vanelslander, E van Hassel, University of Antwerp, BE; Y Rashed, College of International Transport and Logistics, Arab Academy for Science, Technology & Maritime Transport, EG</p> <p>Smooth mode shift with regional rail coaches? P Endemann, Regionalverband FrankfurtRheinMain, DE</p> <p>Empirical impact analysis of COVID-19 measures on transport demand in logistics networks A Borisov, Kuehne Logistics University, DE</p>	<p><u>ENERGY SOLUTIONS FOR FREIGHT</u> Session Chair: Economics of sustainable hydrogen-fuels in heavy-duty transport J Martin, A Ødegård, A Neumann, Norwegian University of Science and Technology (NTNU), NO</p> <p>How can policies for freight transport contribute to the achievement of the Swedish climate target 2030? I Vierth, M Johansson, VTI - Swedish National Road & Transport Research Institute, SE</p> <p>Options for decarbonising road freight transport D Berthold, M-Five, DE</p>	<p><u>PORTS AND MARITIME ISSUES</u> Session Chair: Assessment of performance indicators for investments in green innovations in the maritime port sector E van Hassel, J Willems, T Vanelslander, University of Antwerp, BE</p> <p>Analyzing policies to foster the development and uptake of shore-power for freight transport A Merkel, Molde University College, NO</p> <p>Analysis of the impact assessment process of transport infrastructures in Spain and contribution to sustainability. The case of port projects R M Arce-Ruiz, E Rodriguez, UPM, ES</p> <p>Sales & purchase, and chartering strategies for Offshore Supply Vessels: an evaluation of the influential factors J M Pulido, University of Antwerp, BE</p>
Data	<p><u>ELECTRIC MOBILITY (Joint session with Global Trends impacting Transport)</u> Session Chair: A data-driven approach in identifying the key barriers for electric vehicle uptake in the UK W Wang, Wood, UK</p> <p>Electric shared mobility and the shift to zero-carbon - novel insights on mode substitution patterns G Bösehans, M Bell, N Thorpe, D Dissanayake, University of Newcastle, UK</p> <p>EV-share development: speed vs interest to adopt R Viri, J Mäkinen, Tampere University, FI</p>	<p><u>CAR OWNERSHIP AND PARKING (Joint session with Transport Models)</u> Session Chair: Eating the pudding: first results from a new car ownership model for The Netherlands M Kouwenhoven, Significance, NL; G de Jong, Significance, NL and ITS, University of Leeds, UK; K Winter, R Smit, Rijkswaterstaat, Dutch Ministry of Infrastructure and Water Management; J van Meerkerk, D Blomjous, The Netherlands Environmental Assessment Agency, NL</p> <p>Analyzing the determinants of cruising for parking: when does the parking search begin? S Saki, S Scheel-Kopeinig, T Hagen, Frankfurt University of Applied Sciences, DE</p> <p>Modelling of parking violations using zero-inflated negative binomial regression – a case study for Berlin T Hagen, N Reinfeld, S Saki, Frankfurt University of Applied Sciences, DE</p>	<p><u>DATA FROM MOBILE PHONES AND APPS</u> Session Chair: Oliver Charlesworth, Bentley Systems, UK Smartphone-based travel survey in Turin: a new data-driven approach to assess urban mobility patterns F Chirico, F Fermi, D Fiorello, A Martino, TRT Trasporti e Territorio, IT; K Kamargiannis, A Tsirimpas, MOBY X Software, CY; D Pappelis, S Stebbins, F Song, M Kamargianni, MaaSLab, University College London (UCL), UK; I Tsouros, A Polydoropoulou, TransDeM Lab, University of the Aegean, GR</p> <p>Mobility pattern analysis using new forms of spatial big data in Glasgow City Region S Maadi, M Sinclair, J Hong, Q Zhao, N Bailey, Urban Big Data Centre, University of Glasgow, UK</p> <p>Machine learning for data-driven disaggregate travel demand analysis F Silvestri, University of Rome Tor Vergata; L Barbierato, Politecnico di Milano, IT</p>	<p><u>OPEN DATA ANALYSIS</u> Session Chair: Tobias Hagen, Frankfurt University of Applied Sciences, DE The potential of OpenStreetMap data for transport models: a case study S Q J Joemmanbaks, J Kiel, Panteia BV, NL</p> <p>A cost-quantification model for local itineraries in urban and peri-urban areas using Open Data A Correias, M Hassan, I Correias, Skymantics Europe, ES</p> <p>Measuring transport connectivity with the Open Source Routing Machine S Peng, M Hill, Atkins, UK</p> <p>ClusterMobil – discretization of urban areas using POI-based tessellations J Hamann, S Saki, T Hagen, Frankfurt University of Applied Sciences, DE</p>

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System Dynamics	<p>TRIPLE ACCESS PLANNING (Joint session with Planning for Sustainable Land Use and Transport) Session Chair: Daniëlle Snellen, PBL, NL Putting triple access planning and uncertainty into sustainable urban mobility plans S Cragg, Transport Scotland; G Lyons, D Paddeau, K Chatterjee, T Calvert, University of West of England, UK; V Marchau, M Attia, S Lenferink, Radboud University, NL; J Witzell, Swedish Road and Transport Research Institute VTI and KTH Royal Institute of Technology; T Svensson, KTH Royal Institute of Technology and Dalarna University, SE; A Plevnik, T Rye, L Mladenović, Urban Planning Institute of the Republic of Slovenia, SL; G Francello, F Piras, University of Cagliari, IT</p>			
Transport Models	<p>ACTIVITY BASED MODELS Session Chair: “Apples-to-apples” comparison of an aggregate 4-step model and agent-based model P Vovsha, G Vyas, Bentley Systems, US A Random Forest modelling framework for learning and estimating individuals’ daily activity patterns J Tjong, H Falih, WSP, UK Lessons Learned from 15 years of building activity-based modeling software B Stabler, PTV, US</p>	<p>CAR OWNERSHIP AND PARKING (Joint session with Data) Session Chair: Eating the pudding: first results from a new car ownership model for The Netherlands M Kouwenhoven, Significance, NL; G de Jong, Significance, NL and ITS, University of Leeds, UK; K Winter, R Smit, Rijkswaterstaat, Dutch Ministry of Infrastructure and Water Management; J van Meerkerk, D Blomjous, The Netherlands Environmental Assessment Agency, NL Analyzing the determinants of cruising for parking: when does the parking search begin? S Saki, S Scheel-Kopeinig, T Hagen, Frankfurt University of Applied Sciences, DE Modelling of parking violations using zero-inflated negative binomial regression – a case study for Berlin T Hagen, N Reinfeld, S Saki, Frankfurt University of Applied Sciences, DE</p>	<p>AGENT BASED MODELS Session Chair: Suffolk County Council Bus Strategy using an agent-based simulation M Chilvers, N Bec, F Shone, Arup; J Hough, Suffolk County Council, UK Agent-based Modelling of low carbon future mobility D Alvarez Castro, A Ford, R Palacin, P James, Newcastle University, UK Systematic investigation of microsimulation variability of the Swedish national travel model with different methods for handling stochasticity L Engelson, Swedish Transport Administration and Linköping University, SE; G Vyas, P Vovsha, Bentley Systems, US</p>	<p>FORECASTING THE FUTURE Session Chair: Modelling the “post COVID- reference situation”: the importance of data G Kooistra, Goudappel, NL Scenario planning for an uncertain future T Price, S Trinder, E Dawes, Transport for London; E Golovenko, I Siviter, Jacobs, UK The future of transport modelling: a structured approach for identifying future innovation areas C Rohr, T Pollard, Mott MacDonald; T Metcalfe, A Stoneman, WSP; R Himlin, M Boother, National Highways; T van Vuren, Veitch Lister Consulting; L Oakes-Ash, City Science, UK</p>