

Wednesday 9 October			
Opening Session	0845 – 1000		
	Welcome from the Association for European Transport (AET) Professor Pierluigi Coppola, Chair of the AET Board Conference Welcome Address		
	Session 1	Session 2	Session 3
Stream	1100 - 1300	1400 - 1600	1630 – 1800
System Dynamics	<p>CONNECTED AND AUTONOMOUS VEHICLES Sponsored by the Intelligent Mobility - management and operations and Global Trends impacting Transport Programme Committees Session Chair:</p> <p>Benefits and uptake sensitivities of connected and automated vehicles (6308) G Harrison, S Shepherd, H Chen, Y Barnard, ITS, University of Leeds, UK</p> <p>Benefits and uptake sensitivities of connected and automated vehicles (6310) POSTER GTIT and TM accepted G Harrison, S Shepherd, H Chen, Y Barnard, ITS, University of Leeds, UK</p> <p>Societal impacts of highly automated cars using the toolbox of System Dynamics (6334) P Pfaffenbichler, A Günemann, R Klementschtz, IVE-BOKU; G Emberger, FVV-TU Wien, AT; S Shepherd, ITS, University of Leeds, UK</p>	<p>NEW VEHICLE FUELS AND TECHNOLOGIES 1 Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>System Dynamics applied to the Automotive market: a study on the adoption rate of new driving technologies (6214) T G Cesati, L Geppert, Catholic University of Milan, IT</p> <p>System Dynamics applied to the Automotive market: a study on the adoption rate of new driving technologies (6215) TM accepted POSTER T G Cesati, L Geppert, Catholic University of Milan, IT</p> <p>Global uptake of electric vehicles to 2050 in a decarbonizing energy system (6382) O Özgün, B E Bakken, H Bartelet, DNV GL, NO</p>	<p>NEW VEHICLE FUELS AND TECHNOLOGIES 2 Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Understanding stakeholder behaviour with respect to future full-fledged uptake of battery electric vehicles by means of modelling and simulation (6433) S P Haveman, G M Bonnema, University of Twente, NL</p> <p>Understanding stakeholder behaviour with respect to future full-fledged uptake of battery electric vehicles by means of modelling and simulation (6434) TM accepted POSTER S P Haveman, G M Bonnema, University of Twente, NL</p> <p>Mobility-as-a-Service and the future of new vehicle sales (6239) TM and IMMO accepted D R Keith, S Naumov, H E Rakoff, L Meyer Sanches, A Singh, MIT Sloan School of Management, US</p> <p>WITHDRAWN</p>
Autonomous Vehicles	<p>AUTONOMOUS VEHICLES Sponsored by the Local Public Transport and Intelligent Mobility - management and operations Programme Committees Session Chair: Niels van Oort</p> <p>Will public transport be relevant in a self-driving future? a demand model simulation of six explorative scenarios for Stockholm (6301) E Almlöf, M Nybacka, A Pernestål, KTH Royal Institute of Technology, SE</p> <p>Advancing public transport in an era of autonomous vehicles – creating a city worth living in (6379) J McCarthy, Arup, IE</p> <p>AV meets PT: the future of automated vehicles in public transport (6481) R Boersma, Delft University of Technology & University of Applied Sciences Rotterdam; A Scheltes, Goudappel Coffeng; N van Oort, Delft University of Technology, NL</p> <p>Passenger management in a digital traffic network (6221) O Milbredt, F Rudolph, German Aerospace Center (DLR), DE</p>	<p>AUTONOMOUS Sponsored by the Freight and Logistics, Transport Economics, Finance and Appraisal and Intelligent Mobility - management and operations Programme Committees Session Chair:</p> <p>Autonomous vehicles vs. loading/unloading operations: are contemporary working practices and planning methods obsolete? (6331) V Carlan, J Hintjens, T Vanelander, University of Antwerp, BE</p> <p>Cost Benefit Analysis of driverless automated trucks deployment (6328) C Judith, National Road Transport Association (CNR) and Ecole des Ponts Paristech; Z Kolli, O Raymond, A, Giret, General Commission for Sustainable Development; D Meunier, General Commission for Sustainable Development and LVMT, FR; P Brender, Department for Business, Energy and Industrial Strategy, UK</p> <p>Driving forces and incentives for self-driving vehicles in road freight transport: towards an understanding of actor dynamics and sustainability outcomes (6494) Y Joelsson, A Björkman, Trafikverket; A Engholm, A Pernestål, ITRL - Integrated Transport Research Lab, SE</p> <p>The "autonomous vehicles", national rights and on-the-road tests. A case of conflict between legal systems? (6227) C Tincani, University of Verona, IT</p>	<p>AUTONOMOUS VEHICLES – IMPACT Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair:</p> <p>Impacts of automated driving and shared mobility – explorative model and case study of the province of North-Holland (6209) H J Bergveld, Arcadis; M Snelder, TNO and TU Delft; P Hoseini, Province of North Holland, NL</p> <p>Modelling the effects of autonomous vehicles on network performance: a microscopic simulation approach (6535) G Mesionis, J Roca, M Brackstone, Aimsun, ES and UK</p> <p>Learning to share: car and ride sharing in the age of autonomous vehicles (6536) G Wells; Z Wadud, AECOM, UK</p>
Global Trends impacting Transport	<p>NATIONAL TRANSPORT POLICY STRATEGIES Sponsored by the Global Trends impacting Transport and Planning for Sustainable Land Use and Transport Programme Committees Session Chair:</p> <p>Young people’s travel – what’s changed, why and the implications (6460) K Chatterjee, P Goodwin, University of the West of England; T Schwanen, University of Oxford; C Davie, Department for Transport, UK</p> <p>Demographic, social and technological trends in transport forecasting (6468) ALSO ACCEPTED BY Transport Models SD Session 5 T Duckenfield, O Russell, Steer, UK</p> <p>Developing a National Transport Strategy – collaboratively and in the face of an uncertain future (6306) L Kenney, Transport Scotland; P McCartney, Peter Brett Associates now part of Stantec, UK</p>	<p>SAFETY AND PEOPLE WITH DISABILITIES Sponsored by the Global Trends impacting Transport Programme Committee Session Chair:</p> <p>Invisible vehicles? – addressing a central problem of electric and hybrid vehicles for blind and visually impaired persons (6330) E W M Fürst, WU Vienna; D Marano, Hilfsgemeinschaft – Association Supporting the Blind and Visually Impaired, AT</p> <p>Universally designed public transport systems that are accessible and useable by everyone - an international collaboration (6428) G Craddock, N Fawl, Centre for Excellence in Universal Design at the National Disability Authority, IE; T Feng, San Francisco Bay Area Rapid Transit (BART) District, US</p>	<p>SIGNAGE Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair:</p> <p>A novel wayfinding tool (6450) S Kavakeb, E Ruxton, AECOM, UK</p> <p>Re-signing Dublin! (6516) C Ennis, Dublin City Council, IE</p>
Planning for Sustainable Land Use and Transport	<p>INCLUSION Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair:</p> <p>Socio-spatial conditions for transport poverty the Netherlands (6431)</p>	<p>LAND USE AND TRANSPORT INTERACTION (LUTI) Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair:</p> <p>Integrating mobility and urban planning in rural and suburban areas of the French Alps: lessons from the Interreg ASTUS project (6425)</p>	<p>HUBS 2 Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair:</p> <p>Assessing multimodal mobility trends using heterogeneous data sources: a case study for supporting sustainable mobility policy goals within the</p>

	<p>L Harms, D Snellen, H Nijland, PBL Netherlands Environmental Assessment Agency, NL</p> <p>Active elderly mobility and transport policies: key features for social inclusion and well-being of seniors (6522)</p> <p>E Maggi, E Pantelaki, D Crotti, University of Insubria, IT</p> <p>Designing for urban childhoods and transport (6452)</p> <p>F zu Dohna, S Williams, H Wright, J Hargrave, M Dillon, Arup, UK</p> <p>Conceptualising time poverty and its consequences for transport, a thematic review of the literature (6401)</p> <p>J Bridgman, L Fassam, University of Northampton, UK</p> <p>WITHDRAWN</p>	<p>G Bentayou, D Dubois, Cerema; S Duillard, G Feyt, M-C Fourny, University of Grenoble-Alpes, FR</p> <p>Grand Paris express project – land-use and economic impacts using the interregional model of France (6550) plus poster 6551</p> <p>M Bosredon, DSC France, FR; D Simmonds, V Nacar David Simmonds Consultancy Ltd., UK</p> <p>Edinburgh City Centre: an integrated strategy for transformation (6380)</p> <p>K Gowenlock, Jacobs; D Narayanan, City of Edinburgh Council and Sustrans, UK</p> <p>Large scale housing developments: findings of the Exeter case studies (6303)</p> <p>D Knight, Clarkebond and Loughborough University, UK</p> <p>Mobility as a catalyst for urban development: the cable car network in La Paz (6284)</p> <p>M Funda, Doppelmayr Seilbahnen GmbH, AT</p>	<p>Algarve region (6482) ALSO ACCEPTED BY GTIT Session 8</p> <p>E Arsenio, S M Silva, LNEC; H I Pereira, Universidade de Lisboa; A Domingues, CCDR Algarve, PT</p> <p>Transit Oriented Development (TOD). Challenges and perspectives; the case of Athens' Metro Line 4 (6223)</p> <p>S Tsigdinos, Y Paraskevopoulos, National Technical University of Athens, GR</p> <p>Mobility HUB's to boost inner city redevelopment - the case of the Merwede Canal Area with 10,000 new dwellings in high densities (6250)</p> <p>C Kwantes, Goudappel Coffeng; S van der Hijden, Municipality of Utrecht, NL</p>
Local Public Transport	<p>AUTONOMOUS VEHICLES</p> <p>Sponsored by the Local Public Transport and Intelligent Mobility - management and operations Programme Committees</p> <p>Session Chair: Niels van Oort</p> <p>Will public transport be relevant in a self-driving future? a demand model simulation of six explorative scenarios for Stockholm (6301)</p> <p>E Almlöf, M Nybacka, A Pernestål, KTH Royal Institute of Technology, SE</p> <p>Advancing public transport in an era of autonomous vehicles – creating a city worth living in (6379)</p> <p>J McCarthy, Arup, IE</p> <p>AV meets PT: the future of automated vehicles in public transport (6481)</p> <p>R Boersma, Delft University of Technology & University of Applied Sciences Rotterdam;</p> <p>A Scheltes, Goudappel Coffeng; N van Oort, Delft University of Technology, NL</p> <p>Passenger management in a digital traffic network (6221)</p> <p>O Milbredt, F Rudolph, German Aerospace Center (DLR), DE</p>	<p>HUBS 1</p> <p>Sponsored by the Local Public Transport and Rail Policy and Planning Programme Committees</p> <p>Session Chair:</p> <p>Why interchange is important (6289)</p> <p>J Hawthorne, Independent Consultant, UK</p> <p>Measuring station access, egress and interchange times from transactional journey times (6317)</p> <p>E Manley, University College London and the Alan Turing Institute; H Wong, Transport for London, UK</p> <p>Determinants of public transport use toward intermodal hubs, including emerging modes (6355)</p> <p>F Torabi Kachousangi, N van Oort, S Hoogendoorn, Delft University of Technology, NL</p> <p>Impact of intermodal nodes in urban and metropolitan mobility. Case study: Zaragoza-Delicias Intermodal Station (6280)</p> <p>J Ortiz S Civeira, Transport Authority of the Metropolitan Area of Zaragoza, CTAZ; CI Martinez Vilanova, P G Vilariño, Jacobs, ES</p>	<p>BUS OPERATION</p> <p>Sponsored by the Local Public Transport and Data Programme Committees</p> <p>Session Chair:</p> <p>Bus demand predictive analysis on Barcelona Waterfront (6213)</p> <p>J Mension, M Pellet, Transports Metropolitans de Barcelona (TMB), ES</p> <p>Controlling high-frequency bus services by implementing headway-based holding strategies (6405)</p> <p>E van der Werff, Goudappel Coffeng; N van Oort, O Cats, S Hoogendoorn, Delft University of Technology, NL</p> <p>Why are we waiting? (6290)</p> <p>J Hawthorne, Independent Consultant, UK</p>
Rail Policy and Planning	<p>TRAINS AND BEHAVIOURAL RESPONSE</p> <p>Sponsored by the Rail Policy and Planning Programme Committee</p> <p>Session Chair:</p> <p>Give train passengers something to do! (6258)</p> <p>M van Hagen, E ten Elsen, Netherlands Railways NS, NL</p> <p>Developing a train interior which fits the needs of customers (6268)</p> <p>M van Hagen, J van der Made, Netherlands Railways (NS), NL</p> <p>Returns on marketing investment in the rail industry with information asymmetry – an analytical method for appraisal and planning purposes (6274)</p> <p>A Marsden, Department for Transport, UK</p> <p>The use of Twitter by passenger train operating companies to meet the needs of their customers (6509)</p> <p>J M Howard, University of Westminster, UK</p>	<p>HUBS 1</p> <p>Sponsored by the Rail Policy and Planning and Local Public Transport Programme Committees</p> <p>Session Chair:</p> <p>Why interchange is important (6289)</p> <p>J Hawthorne, Independent Consultant, UK</p> <p>Measuring station access, egress and interchange times from transactional journey times (6317)</p> <p>E Manley, University College London and the Alan Turing Institute; H Wong, Transport for London, UK</p> <p>Determinants of public transport use toward intermodal hubs, including emerging modes (6355)</p> <p>F Torabi Kachousangi, N van Oort, S Hoogendoorn, Delft University of Technology, NL</p> <p>Impact of intermodal nodes in urban and metropolitan mobility. Case study: Zaragoza-Delicias Intermodal Station (6280)</p> <p>J Ortiz S Civeira, Transport Authority of the Metropolitan Area of Zaragoza, CTAZ; CI Martinez Vilanova, P G Vilariño, Jacobs, ES</p>	<p>RAIL: TACKLING THE FRICTION OF DISTANCE AND BORDERS</p> <p>Sponsored by the Rail Policy and Planning Programme Committee</p> <p>Session Chair:</p> <p>Using a baseline evaluation to learn from a major project – the Thameslink Programme (6467)</p> <p>J Hayat, A M Coates, AECOM; C Levy, Department for Transport, UK</p> <p>Competitive tendering on railway services in the Czech Republic (6560)</p> <p>O Spetik, Masaryk University, CZ</p> <p>Douro Valley main line, an essential international link for integrating logistics, markets and tourism (6534)</p> <p>M M Tao, Universidade do Algarve, PT</p>
Global Trends impacting Transport		<p>FREIGHT</p> <p>Energy and climate efficient freight transport from a national systems perspective (6446) ALSO ACCEPTED BY Freight and Logistics in the next session External Costs</p> <p>J Karlsson, R Karlsson, J Kalantari, I Vierth, VTI; A Carlsson, Linköping University, SE</p> <p>Automated vehicles technical logistics - an implementation challenge (6505)</p> <p>M Stokic, V Momcilovic, B Dimitrijevic, University of Belgrade, RS</p> <p>Promoting greener transport connectivity in the Eastern partnership countries (6553)</p> <p>A Nunez, M Abate, D Brenig-Jones, M Dimond, WORLD Bank, INT</p>	
Freight and Logistics	<p>CHAIN</p> <p>Sponsored by the Freight and Logistics Programme Committee</p> <p>Session Chair:</p> <p>Implementation of cross-actor eta prediction models for intermodal transport chains based on machine learning (6477)</p>	<p>AUTONOMOUS</p> <p>Sponsored by the Freight and Logistics, Transport Economics, Finance and Appraisal and Intelligent Mobility - management and operations Programme Committees</p> <p>Session Chair:</p>	<p>EXTERNAL COSTS</p> <p>Sponsored by the Freight and Logistics, Transport Economics, Finance and Appraisal and Global Trends impacting Transport Programme Committees</p> <p>Session Chair:</p> <p>Marginal infrastructure costs and external costs caused by sea transports in Sweden (6354)</p>

	<p>A Balster, P Poschmann, M Weinke, H Friedrich, A Ludwig, F Straube, Kühne Logistics University, DE An integrated supply chain model for export commodities for Indian container goods (6519) V G Mohan, S T John, M A Naseer, National Institute of Technology, IN Supply chain risk management and transport damages – a critical review of prediction and prevention approaches (6229) A Russinger, Novartis, DE Building a data supply chain (6244) J Meyer, Arizona Department of Transportation, US</p>	<p>Autonomous vehicles vs. loading/unloading operations: are contemporary working practices and planning methods obsolete? (6331) V Carlan, J Hintjens, T Vanelander, University of Antwerp, BE Cost Benefit Analysis of driverless automated trucks deployment (6328) C Judith, National Road Transport Association (CNR) and Ecole des Ponts Paristech; Z Kolli, O Raymond, A, Giret, General Commission for Sustainable Development; D Meunier, General Commission for Sustainable Development and LVMT, FR; P Brender, Department for Business, Energy and Industrial Strategy, UK Driving forces and incentives for self-driving vehicles in road freight transport: towards an understanding of actor dynamics and sustainability outcomes (6494) Y Joelsson, A Björkman, Trafikverket; A Engholm, A Pernestål, ITRL - Integrated Transport Research Lab, SE The "autonomous vehicles", national rights and on-the-road tests. A case of conflict between legal systems? (6227) C Tincani, University of Verona, IT</p>	<p>I Vierth, VTI – Swedish Road and Transport Research Institute, SE Energy and climate efficient freight transport from a national systems perspective (6446) ALSO ACCEPTED BY GTIT in the previous session on Freight J Karlsson, R Karlsson, J Kalantari, I Vierth, VTI; A Carlsson, Linköping University, SE Understanding how to ensure efficient operation of cargo bikes on winter roads (6337) Å Dybdalen, E Ryeng, NTNU -Norwegian University of Science & Technology, SE</p>
<p>Transport Economics, Finance and Appraisal</p>	<p>ENERGY AND EMISSIONS Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair:</p> <p>Reactions to feebate systems and their impact on emissions (6471) D Berthold, M-Five, DE Evaluating sustainable travel (6363) M Sellman, Sweco, UK Appraising electric vehicles (6319) T Mani Lundie, Sweco, UK Transport energy model (6237) M Humphries, Department for Transport, UK</p>	<p>NEW COMPONENTS/TECHNIQUES/TOOLS Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair:</p> <p>Evolving long-distance passenger services. Market concentration, fares and specialisation patterns in Italy (6230) P Beria, A Bertolin, Politecnico di Milano, IT Estimating intercity rail passengers' willingness to pay for shifts in departure times on a competing rail market (6234) F Vautard, O Fröidh, C Byström, KTH Royal Institute of Technology, SE The monetary valuation of journey quality impacts for active users: a case study in the UK (6531) P Bueno Cadena, T Ghez, Atkins; J Payne, R Sweet, Highways England, UK On the economic cost of headway for regional rail services (6220) ALSO ACCEPTED BY Rail Policy and Planning Friday session 9 E Kroes, A Kourou, VU Universiteit Amsterdam, NL</p>	<p>APPRAISAL STRATEGIES Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair:</p> <p>Developing a new appraisal and modelling strategy for the UK Department for Transport (6552) R Cambery, L Jacobs, B Meehan, J Nava, I Stead, Department for Transport, UK Strategic Transport Project Review 2– Integrating regional and national appraisals (6361) S Turnbull, N Halket, AECOM; P Junik, Transport Scotland, UK Northern England's Strategic Development Corridors: key experiences of developing the long-term investment programme (6416) J Shanks, WSP; R Bradley, Transport for the North, UK</p>
<p>Data</p>	<p>AIR QUALITY, WEATHER AND ENVIRONMENT Sponsored by the Data Programme Committee Session Chair:</p> <p>The effect of adverse weather on sustainable transport utilising available data (6262) C French, Dublin City Council, IE Finnish car fleet characteristics' effects to greenhouse gas reduction targets (6327) R Viri, Tampere University, FI Mobile air quality measurements to support assessment of air quality over large areas (6465) F Galatioto, J Ferguson-Moore, R Johnston, Connected Places Catapult, UK</p> <p>Using generic data to model commercial transport demand: lessons learned and steps to be taken (6397) POSTER A Reiffer, M Kagerbauer, P Vortisch, Karlsruhe Institute of Technology, DE</p>	<p>SUSTAINABLE TRAVEL ANALYTICS Sponsored by the Data Programme Committee Session Chair:</p> <p>Detection of atypical events on a public transport network using smart card data (6300) A-S Briand, E Côme, L Oukhellou, Université Paris-Est, IFSTTAR-COSYS-GRETTIA; M Khouadja, IRT SystemX, FR The geography of long-distance carpooling in Italy (6375) A Bertolin, P Beria, G Filippini, Politecnico di Milano, IT WITHDRAWN Is a congestion-less future achievable? (6490) C Nelson, Swiftly, UK Cluster analysis of public bike sharing systems for categorization purposes (6571) T Mátrai, J Tóth, Budapest University of Technology and Economics, HU</p>	
<p>Transport Models</p>	<p>BIG DATA Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Combining mobile network data and routing APIs to generate transport demand models (6448) B Bock, A Klein, civity Management Consultants GmbH & Co. KG, DE Analysing temporal variations in trip making behaviour using longitudinal mobile network data (6365) R Tolouei, AECOM; P Hoad, Highways England, UK Estimating the potential for Mobility-as-a-Service in the Netherlands using mobile phone data (6228) L Brederode, R Koopal, DAT.Mobility, NL Demand matrix building: emerging guidance from the Department for Transport (6265) N Sari, Department for Transport; R Tolouei, P Hanson, AECOM; C Bruce, S Camm, P Thiele, Arup, UK</p>		<p>ANALYTICS Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Application of machine learning algorithms for mode choice estimation (6276) D Harney, B Yang, Jacobs, UK WITHDRAWN Developing an artificial neural network for estimating road capacity values for weaving sections (6422) J Janssen, University of Twente, DAT.Mobility); L Brederode, DAT.Mobility; L Wismans, Goudappel Coffeng, University of Twente; E van Berkum, University of Twente, NL Application of machine learning algorithms for mode choice estimation (6277) poster D Harney, B Yang, Jacobs, UK WITHDRAWN</p>
<p>Transport Models</p>	<p>MODEL APPLICATIONS Sponsored by the Transport Models Programme Committee</p>	<p>BIG MODEL APPLICATION Sponsored by the Transport Models Programme Committee</p>	<p>DISCRETE CHOICE AND BIG MODEL Sponsored by the Transport Models Programme Committee</p>

	<p>Session Chair:</p> <p>TfL London ONE Model: a dynamic project (6590) G Jackman, Aimsun, S Kerry, T Dichev, Transport for London, UK</p> <p>Hierarchical transport models in The Netherlands (6248) J Kiel, Panteia; R Koopal, Goudappel Coffeng; R van Grol, Significance; M Heynickx, Province of Noord-Brabant, NL</p> <p>How to mitigate induced automobile travel due to automation? analyses based on an aggregated travel demand model (6586) L Fremder, DLR, DE</p> <p>The Oslo Study - how autonomous cars may change transport in cities (6386) S Frost, COWI, DK</p>	<p>Session Chair:</p> <p>Development and results of a model back-cast forming part of the DFT's National Transport Model Assurance and Transparency Plan (6376) M Jay, T Kousoulidou, Department for Transport, UK</p> <p>Modelling England at a national scale: the computing challenge and modelling benefits (6487) D Aspital, T Gent, Atkins; P Sumner, Department for Transport, UK</p> <p>Accessibility control traffic model: optimising road works as-a-service (6318) S de Graaf, P Kant, DAT.Mobility, NL</p> <p>Effectiveness of conventional methods in estimating intrazonal generalised cost variations in transport modelling (6226) Md. Saniul Alam, Jacobs Engineering and Trinity College Dublin; D Siddle, Jacobs Engineering; B Colleary, National Transport Authority, IE</p>	<p>Session Chair:</p> <p>Spatial transfer of mode-destination models from the West Midlands to the South East Wales Regions of the UK (6389) J Fox, B Patrini, RAND Europe; G Bate, Mott MacDonald, UK</p> <p>Modelling extremes of toll and travel time savings for a new toll road PPP (6587) P Davidson, A Thomas, M Adeeb, S Karavadi, Peter Davidson Consultancy Ltd, UK</p> <p>National Transport Model for England: estimating a variable demand model at a national scale (6485) C Lindsay, T Gent, Atkins; J Fox, RAND; P Sumner, Department for Transport, UK</p>
<p>Young Researchers' and Practitioners' Forum</p>	<p>SUSTAINABILITY Sponsored by the Young Researchers' and Practitioners' Forum Session Chair:</p> <p>Tivoli (Port of Cork) – a sustainable quarter (6576) E Hintaran, Tyrens, UK</p> <p>Connecting Ireland - methods for applying national land use and transport policy locally (6558) C Kelly, Jacobs Engineering, IE</p> <p>Autonomous single-seat vehicles as an alternative to shared transport: a holistic approach (6298) M Vanzura, CDV - Transport Research Centre, CZ</p> <p>Designing a Carbon Budget user experience (6302) A Grun, A Tuli, B C Oxley, K Huhtala-Jenks, MaaS Global, FI</p>	<p>AUTONOMOUS VEHICLES Sponsored by the Young Researchers' and Practitioners' Forum Session Chair:</p> <p>A fleeting thought: charging the way to an autonomous future (6462) G Box, L Herbert, M Clarke, Atkins, UK</p> <p>CAVs and roundabouts: research on traffic impacts and design elements (6564) A Anagnostopoulos, F Kehagia, Aristotle University of Thessaloniki (AUTH), GR</p> <p>Exploring human and autonomous vehicle interactions at autonomous intersections through agent-based simulation (6566) O Thompson Sargoni, E Manley, CASA, University College London, UK</p> <p>Civil liability and autonomous vehicles: a critical analysis (6574) F Romana Carlone, University of Genova, IT</p>	

Thursday 10 October				
	Session 4 0900 - 1030	Session 5 1100 – 1230	Session 6 1400 – 1530	Session 7 1600 – 1800
System Dynamics	APPROACHES COMPLEMENTARY TO SYSTEM DYNAMICS Session Chair: SIMBA MOBi: a microscopic mobility simulator for corporate planning (6266) W Scherr, SBB, CH How web data-scraping leads to simpler traffic models (6499) POSTER D Carrignon, Arcadis, UK Drivers of freight in London (6521) FL accepted C Teye, C Cheriyan, Transport for London, UK In Freight and Logistics at the same time	STRATEGY AND TRENDS FOR FUTURE AND URBAN MOBILITY Session Chair: Experience with a large-scale system dynamics model: the Urban Dynamic Model (UDM) (6296) J Swanson, Steer, UK Demographic, social and technological trends in transport forecasting (6468) GTIT and TM accepted In session 1 SD A Duckenfield, O Russell, Steer, UK Modelling the economic impacts of inter-city connectivity schemes (6473) D Pierce, S Shepherd, ITS, University of Leeds, UK		
Autonomous Vehicles	AV DEBATE Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Driverless cars: inevitable or never (6372) C Wolmar, Author, Journalist and Railway Historian, UK	AV IMPACT Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: Perceptions, attitudes and stated intentions towards autonomous vehicles: the case of Greece (6476) K Viopoulou, A Tsrimpa, University of West Attica, GR Testing of connected and autonomous vehicles - an Irish perspective (6459) M Holmes, Road Safety Authority, IE WITHDRAWN Public survey on the application of autonomous vehicles (6543) B Caulfield, A Rezaei, Trinity College Dublin, IE	AV TRAFFIC MANAGEMENT Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: The impact of autonomous vehicles on smart road networks: a quantitative analysis of benefits through the use of an original mathematical model (6403) A Di Febraro, D Giglio, N Sacco, University of Genova, IT A practical approach toward implementing automated intersection management (6545) J Drinkall, Sweco, UK Traffic state prediction services for automated driving and traffic management (6283) L Wismans, Goudappel Coffeng and University of Twente; H Palm, DAT.Mobility; H Zwijnenberg, Goudappel Coffeng; W Wieme, Province of Noord-Brabant, NL	AV TRAFFIC MANAGEMENT Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: The role of the Road Network Manager of the future? (6240) POSSIBLE D Lowe, Jacobs Group (Australia) Pty Ltd, AU C-ITS and Signal Control Ireland's Connected Vehicle (C-ITS) Pilot (6263) PLUS POSTER 6264 L Street, AECOM; D Laiode-Kemp, Transport Infrastructure Ireland, IE The C-ROADS Day-1 Service Green-Light Optimal Speed Advisory—a mapping study (6371) N Mellegård, F Reichenberg, RISE AB, SE Short-term Planning of Traffic Signal Controllers (6420) L Krol, N van Gurp, Goudappel Coffeng, NL
Aviation	AVIATION Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Effects of an aviation tax on aviation in the Netherlands (6374) S Grebe, M Kouwenhoven, Significance, NL Bums on seats: issues affecting passenger load factor for international scheduled airlines (6366) N Dennis, University of Westminster; D Pitfield, Loughborough University and University of Westminster, UK CORSIA - environmental effects and financial impacts on the aviation sector (6437) S Maertens, W Grimme, DLR, DE		IS THIS REALLY SD? AIR AND AVIATION Session Chair: London Luton Airport DART from concept to reality J Hogg, J Ojeil, Arup, UK The impact of autonomous robot container system on the air cargo logistic chain (6343) P Meincke, German Aerospace Center (DLR), DE A system dynamic analysis on the impact of aircraft noise mitigation programs (6315) G S Gabriel, IUBH; H Ehmer, DLR, DE	AVIATION Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: The impact of blockchain on the aviation system (6246) J Jugl, A Wittmer, E Linden, University of St.Gallen, CH Global issues on air carriers' insurance requirements regarding passengers and their impact on European and national provisions (6359) Ž Primorac, University of Split, HR; A Kolimbatović, European Parliament, INT Beginning steps of the electrification of commercial passenger aircraft transport (6388) A Prapotnik Brdnik, R Kamnik, M Marksel, S Božičnik, University of Maribor, SL Points of law versus 'Gulf-specific' advantages? (6491) E Kucsera, University of Pécs; I Santa, Central Bank of Hungary, HU
Global Trends impacting Transport	PRIMAVERA Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Providing information to support climate risk assessments in the transport sector using a new generation of high-resolution global climate models (6270)	EMISSIONS/AIR POLLUTION Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: European passenger cars: real-world emissions results (6218) J Hobday, N Molden, Emissions Analytics, UK	CLIMATE AND RESILIENCE Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Creating resilient a transportation system: policy, planning and implementation (6297) B Wolshon, Louisiana State University; K Kim, University of Hawaii; A Pande, Cal Poly San Luis	AVIATION Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: The impact of blockchain on the aviation system (6246) J Jugl, A Wittmer, E Linden, University of St.Gallen, CH Global issues on air carriers' insurance requirements regarding

	<p>G Guentchev, E Palin, M Roberts, J Lockwood, and the PRIMAVERA team, Met Office, UK</p> <p>Note to me We need to add a workshop – discuss with Erika</p>	<p>Decarbonisation of urban transport – a CO2-roadmapping methodology and case study (6249) B Kin, S van Zyl, R Kok, TNO, NL</p> <p>Traffic obstructions impact on emissions NOx and PB and resultant public health: analysis and evidence to reduce emissions in achieving thresholds (6257) G Tenekeci, A Abubakar, Jacobs, UK</p>	<p>Obispo; P Murray-Tuite, Clemson University; J Renne, Florida Atlantic University, US</p> <p>Quantifying the economic losses from transport demand disruption due to climate change (6411) E Mulholland, E Navajas-Cawood, A Christodoulou, J C Ciscar-Martinez, European Commission, Joint Research Centre (JRC), Directorate Energy, Transport and Climate, ES; L Feyen, European Commission, Joint Research Centre (JRC), Directorate Space, Security and Migration, IT</p> <p>Quantifying the costs of climate change impacts and adaptation strategies for transport networks in Ireland (6412) J Clarke, P Doherty, Gavin & Doherty Geosolutions Ltd., IE</p>	<p>passengers and their impact on European and national provisions (6359) Ž Primorac, University of Split, HR; A Kolimbatović, European Parliament, INT</p> <p>Beginning steps of the electrification of commercial passenger aircraft transport (6388) A Prapotnik Brdnik, R Kamnik, M Marksel, S Božičnik, University of Maribor, SL</p> <p>Points of law versus ‘Gulf-specific’ advantages? (6491) E Kucsera, University of Pécs; I Santa, Central Bank of Hungary, HU</p>
<p>Planning for Sustainable Land Use and Transport</p>		<p>THINKING DIFFERENTLY Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair:</p> <p>Who has transport problems? (6293) K Martens, G Freund, Technion – Israel Institute of Technology, IL</p> <p>An innovative resilience focussed and influence based classification for road networks: a case study of National Secondary Roads in Ireland (6436) B Martinez-Pastor, S Dunny, AECOM; E Gillard, Transport Infrastructure Ireland, IE</p> <p>Q study of transport planners working on sustainable developments (6304) D Knight, Clarkebond and Loughborough University, UK</p>	<p>CYCLING Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair:</p> <p>Dare, able and invite to cycle! (6256) M van Hagen, B Govers, Netherlands Railways (NS), NL</p> <p>Marketing cycling investment (6514) E Brick, C Swift, AECOM, IE</p>	<p>TRAVEL BEHAVIOUR Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair:</p> <p>Scenario building and assessment of mobility impacts on urban air quality and health: the case of the Barcelona Metropolitan Mobility Plan (6432) C Conill, Barcelona Metropolitan Area (AMB); M Perez, N Perez, M Garcia-Sierra, E Domene, F Coll, D Andrés, Barcelona Institute of Regional and Metropolitan Studies (IERMB); R Lopez, C Jimenez, Multi Criteria Consulting (MCRIT); B Fauro, Institut Cerdà (IC); D Rojas-Rueda, ISGlobal; C Conill, G Alsina, M Iglesias, Barcelona Metropolitan Area (AMB), ES</p> <p>Achieving emissions reductions in transport: an assessment of low cost behaviour change programmes for Ireland (6370) S Convery, B Caulfield, M O’Mahony, Trinity College Dublin, IE</p> <p>Five good reasons to promote sustainable mobility in small-sized cities. Ex ante assessment of the Municipality of Nemea, Greece (6475) E Bakogiannis, C Kyriakidis, G Christodouloupoulou, S Tsigdinos, C Karolemeas, National Technical University of Athens, GR</p> <p>Analysis of commuting habits in the frame of workplace mobility plans (6216) D Esztergár-Kiss, A Aba, P Tóth, Budapest University of Technology and Economics, HU</p>
<p>Local Public Transport</p>	<p>PLANNING FOR PASSENGERS’ JOURNEYS – THE ROLE OF TECHNOLOGY Sponsored by the Local Public Transport Programme Committee Session Chair:</p> <p>Potential discrimination of public transport by routing service platforms (6390) A Fechner, A Wolf, civity Management Consultants GmbH & Co. KG, DE</p> <p>Passenger-oriented disruption transport concepts using network analysis (6413) A-K Brauner, A Crespo, M Dombois, Technische Universität Darmstadt, DE</p> <p>Equity-related impacts of coarser and high frequent public transport networks (6332)</p>	<p>PLANNING FOR PASSENGERS’ JOURNEYS – MODAL PERSPECTIVES Sponsored by the Local Public Transport Programme Committee Session Chair: John Hawthorne</p> <p>Bicycle and transit: a powerful combination (6260) R J Huisman, N van Oort, Delft University of Technology, NL</p> <p>The ambivalence of mode interactions: the case of transit and free-floating carsharing (6344) C Morency, J-S Bourdeau, Polytechnique Montreal, CA</p> <p>WITHDRAWN</p> <p>ioki - the synonym for flexible mobility – available anytime, anywhere and without the need of a private vehicle (6589) C Frick, Y Michel, ioki GmbH, Frankfurt, DE</p>	<p>PLANNING FOR PASSENGERS’ JOURNEYS – PASSERNGERS’ PERSPECTIVES Sponsored by the Local Public Transport Programme Committee Session Chair: Broos Baanders</p> <p>Multitasking on-board public transport: evidences from Hungary (6245) A Munkacsy, M Siska, KTI Institute for Transport Sciences, HU; I Keseru, Vrije Universiteit Brussels, BE and KTI Institute for Transport Sciences, HU; C Macharis, Vrije Universiteit Brussels, BE</p> <p>Exploring the links between commuting and wellbeing: the ‘boat’ factor (6391) X Zhao, C Papaix, P Ieromonachou, University of Greenwich, UK</p> <p>The economies of the involvement of persons with disabilities in</p>	<p>E-BUSES Sponsored by the Local Public Transport Programme Committee Session Chair: David Taylor</p> <p>Operations of E-buses: a challenging trade-off in finding optimal charging locations (6259) R J Huisman, Goudappel Coffeng; N Van Oort, M Wiercx, Delft University of Technology; W Knol, Over Morgen, NL</p> <p>Roll-out the e-buses! operational lessons learned from bus operators worldwide (6267) M Baker, A Perchel, International Association of Public Transport (UITP), INT</p> <p>COSTART - application of e-buses into existing public transport systems (6275) POSTER A Wretstrand, Lund University, SE; T Merkens, ECSM European Center</p>

	R J van Kuijk, N van Oort, B van Arem, G Homem de Almeida Correia, H Schoen, D Dohle, F van der Blij, Delft University of Technology, NL		planning and designing public transport systems (6329) E W M Fürst , WU Vienna; D Marano, Hilfsgemeinschaft – Association Supporting the Blind and Visually Impaired, AT	for Sustainable Mobility, FH Aachen University of Applied Sciences, DE Transit electric buses dynamics (6486) POSTER ALSO ACCEPTED BY TM M Monsalve-Rueda, S Arango-Aramburo, Universidad Nacional de Colombia, CO
Rail Policy and Planning	TRAINS AND TRIP TIMING BEHAVIOUR Sponsored by the Rail Policy and Planning Programme Committee Session Chair: On the economic cost of headway for regional rail services (6220) E Kroes, A Kourou, VU Universiteit Amsterdam, NL Estimating intercity rail passengers' willingness to pay for shifts in departure times on a competing rail market (6234) F Vautard, O Fröidh, C Byström, KTH Royal Institute of Technology, SE Retiming Britain's Railways Part 2 (6320) C Nuttall, W Jiang, Atkins, UK	RAIL: CONNECTING ECONOMIC AND SOCIAL ACTIVITY Sponsored by the Rail Policy and Planning Programme Committee Session Chair: How to successfully plan and develop rail mega projects (6350) S Pauling, Jacobs, UK WITHDRAWN What is the impact of new rail stations on deprivation? (6410) C Xen, Oxera Consulting, UK Rail commuter growth in London and Dublin: understanding its causes (6469) I Williams, Ian Williams Services; K Jahanshahi, University of Cambridge, UK	RAIL CARGO DEVELOPMENTS Sponsored by the Rail Policy and Planning Programme Committee Session Chair: Potential need for a state aid scheme for rail freight in Norway (6351) E Kvalheim, The Norwegian Ministry of Transportation and Communication, NO WITHDRAWN Developments in Eurasian rail cargo transportation: interaction between European and Russian Transport Policy (6480) Also in Freight and Logistics session 9 S Sharapov, Institute for Economic Development and Transport, RU; M Shepherd, Oxera Consulting, UK	
Freight and Logistics	URBAN Sponsored by the Freight and Logistics Programme Committee Session Chair: Drivers of freight in London (6521) ALSO ACCEPTED BY TM FPR THE SD SESSION C Teye, C Cheriyan, Transport for London, UK Delivering for Dublin! (6458) C Ennis, Dublin City Council, IE Creation of a database for delivery traffic in urban centres (6224) P K Schäfer, K-O Schocke, A Gilbert, D Hofmann, S Höhl, Frankfurt University of Applied Sciences, DE	E-COMMERCE Sponsored by the Freight and Logistics Programme Committee Session Chair: Will digitalization change freight transport? Future scenarios for the digitized freight transport landscape with Sweden as a case study (6395) A Pernestål, A Engholm, ITRL, KTH Royal Institute of Technology; G Gidofalvi, Geoinformatics, KTH Royal Institute of Technology; M Bemler, Scania CV AB; J Eriksson, CLOSER, SE Does the internet shopping hype lead to increased van use? (6517) J Francke, J Visser, KiM Netherlands institute for transport policy analysis (KiM); M Jacobs, P Ras, Statistics Netherlands (CBS), NL Discrete choice models and conjoint rating experiment to intercept consumers' attitude towards e-grocery services (6474) O M Belcore, M Di Gangi, University of Messina, IT; L Dell'Olio, University of Cantabria, ES	SKILLS Sponsored by the Freight and Logistics Programme Committee Session Chair: Fixing the HGV driver shortage (6538) I Wright, Transport Focus, UK Skills gaps in the freight sector in post-Brexit Ireland: The necessity for industry and education collaboration (6322) M Brady, Technical University of Dublin, IE What's going wrong with the warehousing third-party logistics performance in France? A DEA window analysis (6454) R Petiot, University of Perpignan, FR WITHDRAWN	SEAPORTS/AIRPORTS Sponsored by the Freight and Logistics Programme Committee Session Chair: Multimodal hinterland hubs in the Netherlands revisited. A study of container transshipment terminals in the hinterland of Dutch sea ports (6421) J Visser, J Francke, N de Gama, KiM Netherlands Institute for Transport Policy analysis, NL Container terminal efficiency: Case of Le Havre – Hamburg (6377) S Nduna, T Vanelslander, E Van de Voorde, H Meersman, University of Antwerp, BE Solutions to improve mobility at the Port of Antwerp (6212) J Atkin, Port of Antwerp Representative for UK & Ireland, IE
Transport Economics, Finance and Appraisal	AVIATION Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Effects of an aviation tax on aviation in the Netherlands (6374) S Grebe, M Kouwenhoven, Significance, NL Bums on seats: issues affecting passenger load factor for international scheduled airlines (6366) N Dennis, University of Westminster; D Pitfield, Loughborough University and University of Westminster, UK CORSIA - environmental effects and financial impacts on the aviation sector (6437) S Maertens, W Grimme, DLR, DE	APPRAISAL STRATEGIES Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Road users' experience with congestion – a questionnaire survey in the case of Oslo region (6247) M Aarestrup Aasness, J Odeck, Norwegian University of Science and Technology NTNU, NO Financing mechanisms for sustainable transport and mobility (6273) O Feldman, Arcadis, UK Delivering mass rapid transit – international case studies and application in the UK context (6441) R Sharma, R Tobajas, I Drivylas, AECOM, UK	COMBINED APPRAISAL ACROSS PLANNING AND TRANSPORT Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Unified Land-use and Transport Appraisal (ULTrA) – further development in appraisal of interacting land-use and transport interventions (6546) S Georgieva, L Lees, D Simmonds, T Simpson, David Simmonds Consultancy; A Turner, L Comeau, D Christie, Transport for London, UK Do transport appraisal methodology offer better value for money? (6415) P Sawant, Department for Transport, UK Assessment methods for spatial development and infrastructure planning (6526) J Kiel, I Hindriks, F Sollitto, Panteia, NL; W Hansen, R Bøgh Holmen, Institute of Transport Economics (TØI), NO; B Biesinger, B Hu, Austrian Institute of Technology (AIT), AT	ECONOMIC AND LAND USE MODELLING Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: What is the economic and financial case for new local or regional rail lines? (6444) S Elvery, Rail Delivery Group; M Shepherd, Oxera Consulting, UK The strategic national model of France (6548) M Bosredon, E Chinto, DSC France, FR; D Simmonds, David Simmonds Consultancy Ltd, UK The Northern Economy and Land Use Model (NELUM) (6418) J Swanson, M Costello, J Peters, Steer; J Snape, Transport for the North, UK Interaction between Ireland and the UK post Brexit: an update on the friction effect of post Brexit arrangements on demand for movement and operations (6580) A Smyth, University of Hertfordshire; J Cooper, Transport Research Partners, UK

<p>Data</p>	<p>DATA Sponsored by the Data Programme Committee Session Chair:</p> <p>Active travel insights: real-time data on cyclist movements to promote non-motorised transport across Europe (6542) B Kilner, Vivacity Labs; H Beilinson, iSensing; G Scott, P Jackson, Tracsis, UK</p> <p>Using generic data to model commercial transport demand: lessons learned and steps to be taken (6397) POSTER A Reiffer, M Kagerbauer, P Vortisch, Karlsruhe Institute of Technology, DE</p> <p>Low speed autonomous transport systems J Miles, Cambridge University, UK</p>	<p>OPEN DATA, COLLECTION, ANALYSIS, INNOVATION Sponsored by the Data Programme Committee Session Chair: Laurence Chittock</p> <p>MOVE_UK: Using 'Big Data' to validate automated driving systems (6323) J Kent, Transport Research Laboratory, UK</p> <p>Journey times from floating car data: a systematic comparison (6583) M Kouwenhoven, Significance and Technical University of Delft; S Grebe, J Willigers, Significance, NL</p> <p>Harvesting UK Open Rail Data for new insights (6439) F Shone, M Lui, Arup, UK</p>		<p>MOBILE DATA Sponsored by the Data Programme Committee Session Chair: Olga Feldman</p> <p>Combining usual road side survey and cellular phone data to produce accurate transit and exchange OD matrices – application to the cross-border Geneva 4-step model (6324) P-A Laharotte, W Raballand, Cerema Centre-East, FR</p> <p>Understanding the movement of people across the Northern Ireland - Republic of Ireland border from mobile network data (6557) S Stewart, P Perret, CitiLogik Limited, UK; W Lecky, A Doherty, Department for the Economy, IE</p> <p>Smartphones and always-on location data: assessing the impact of a transition to mobile devices (6570) D McCool, K Røth, L Smeets, Utrecht University & Statistics Netherlands; B Schouten, Statistics Netherlands; P Lugtig, Utrecht University, NL</p> <p>Innovative use case for real time mobile phone data – fixed asset monitoring – is this still required? (6463) I Burrows, T Brealey, C Wroe, Telefónica UK Ltd., UK</p>
<p>Intelligent Mobility - management and operations</p>	<p>DEMAND RESPONSIVE TRANSPORT Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair:</p> <p>Interaction between demand and supply in the case of Demand Responsive Transport (DRT) systems: a bi-level optimization solution approach (6541) A Papanikolaou, Jacobs Engineering, UK and Aristotle University, GR; S Basbas, Aristotle University, GR</p> <p>TSO - Travel Service Optimization: an integrated software platform solution for optimizing the travel of Special Education Needs (SEN) students (6540) A Papanikolaou, M Zare, D High, D Lake, Jacobs, UK</p>	<p>MOBILITY CONCEPTS Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair:</p> <p>Nordic experiences of smart mobility: Emerging services and regulatory frameworks (6352) T Anu, H Auvinen, VTT, FI; N Fearnley, Institute of Transport Economics, NO</p> <p>Hailing rides using on-demand mobility platforms: what motivates consumers to choose pooling? (6238) S Naumov, D R Keith, MIT Sloan School of Management, US</p> <p>WITHDRAWN</p> <p>Software services and data analytics for the ultimate EV driver experience (6236) S Persi, Mosaic Factor, ES</p>	<p>SAFETY Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair:</p> <p>An insight into autonomous vehicle crashes in the USA (6510) M. A Rahman, A Sun, M Akter, University of Louisiana at Lafayette, US</p> <p>An in-depth evaluation of junctions with high cyclist collision rates using laser scanning and drone technologies (6483) N O Reilly, E Mc Govern, B Caulfield, Technological University of Dublin, IE</p> <p>Mobility measures for vulnerable road users in peripheral urban areas in Bulgaria (6208) POSTER L Ilieva, Club SDCS, BG</p> <p>Cycle safe intersections - an evaluation of radar bicycle detectors in Dublin City (6443) O Devilly, K Hosie, Dublin City Council, IE</p>	<p>MOBILITY AS A SERVICE (MAAS) Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair:</p> <p>Mobility as a Service in small and medium-sized cities (6222) J Vozelj, M Blaž, PNZ consulting designing Ltd, SL</p> <p>Data analytics and technology enablers for a successful MaaS ecosystem (6281) AS LONG AS IT IS NOT A SALES PITCH S Persi, L Sala, Mosaic Factor, IT</p> <p>Mobility-as-a-Service: from concept and business models to the design of a public policy framework (6478) R Lajas, Arup; R Macario, IST, Universidade de Lisboa, PT</p> <p>Mobility solutions - streamlining the commuter experience through mobile applications (6511) T Standley, DoubleMap, Inc, US</p>
<p>Transport Models</p>	<p>BIG MODEL APPLICATION Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Congestion-dependent values of time in modelling and appraisal (6530) A Gordon, Mott MacDonald; J Collins, B Whittaker, WSP; J Fox, RAND Europe; I Stead, Department for Transport, UK</p> <p>MoTiON - a new travel demand model for London (6539) D Christie, C Mills, Transport for London, UK</p> <p>Estimating economic benefits for non-modelled periods in the appraisal of a transformational scheme (6582) P Clarke, Jacobs; G Powell, Highways England; M Charalambides, MJC; A Mirza, Arcadis, UK</p>	<p>AGENT BASED MODELLING Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Addressing modeling challenges in the new mobility era: TNCs, MaaS, and AVs (6348) P Vovsha, G Vyas, D Florian, INRO Software, CA</p> <p>Recent advances in population synthesis for travel models (6408) G Vyas, P Vovsha, C D Morosan, M Hodak, D Florian, M Florian, INRO Software, CA</p> <p>Out with matrix estimation, in with agent-based estimation: latest developments in model estimation and correction in the ABM-framework (6335) K Verlinden, B Wesseling, Significance; L Brederode, DAT.Mobility, NL</p>	<p>AGENT BASED MODELLING Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Performance and before-and-after impacts of data modelling on behaviour-based survey (6241) Y Xiang, S Belamara, N K Hammad Al-Rawi, Ministry of Transport and Communication, QA</p> <p>An agent based model for London: exploratory case study (6398) G Casey, F Shone, F Karim-Khaku, C Bruce, Arup, UK</p> <p>Demand Modelling for emerging on demand mobility services: is agent based modelling the way forward? (6387) P Franco, D Kaba, C Stefanescu, H Ballis, Catapult Connected Places, UK</p>	<p>BIG MODEL APPLICATION Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>The new modelling suite for surface access at London Heathrow Airport (6466) H Maier, Jacobs; J Howes, Mott MacDonald, UK</p> <p>What drives mode share at London Heathrow Airport and what has changed in the last 25 years? (6307) M Hickson, H Maier, Jacobs, UK</p> <p>Optimising transport modelling and environmental appraisal in highway schemes: a UK case study (6442) N McCormack, Arup; D Deakin, AECOM, UK</p> <p>NTA long distance model development S Kearns, J Paukert, Systra, UK</p>

<p>Young Researchers' and Practitioners' Forum</p>	<p>PUBLIC TRANSPORT AND DATA Sponsored by the Young Researchers' and Practitioners' Forum Session Chair:</p> <p>Potential discrimination of public transport by routing service platforms (6390) PAPER SHARED WITH LPT A Fechner, A Wolf, civity Management Consultants GmbH & Co. KG, DE</p> <p>Automating bus patronage reporting using VBA (6572) K McLoughlin, Jacobs Engineering, IE</p> <p>Geolocating smart card transactions using timetable data and deriving trip chaining in a dense urban network (6565) A Long, J Kandt, University College London, UK</p>	<p>CYCLING Sponsored by the Young Researchers' and Practitioners' Forum Session Chair:</p> <p>An evaluation of cycling safety in Dublin city (6507) N O Reilly, B Caulfield, E Mc Govern, Technological University Dublin, IE</p> <p>Cycling under the influence - who and why? (6358) M Vestgård, P Pokorny, T Tørset, NTNU -Norwegian University of Science & Technology, NO</p> <p>WITHDRAWN</p> <p>Topography's impact on effects of cycle superhighways in Norway (6489) A S G Byrne, E Olausen Ryeng, NTNU -Norwegian University of Science & Technology, NO</p>	<p>WORKSHOP</p>	
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Friday			
	Session 8 0930 - 1100	Session 9 1130 - 1300	Session 10 1400 - 1600
Global Trends impacting Transport	<p>AUTOMATED VEHICLES Sponsored by the Global Trends impacting Transport Programme Committee Session Chair:</p> <p>Economic, employment and environmental impacts of automated, connected and shared electric vehicles (6407) J Krause, M Grosso, M Tamba, M Alonso Raposo, B Ciuffo, E Fernandez Macias, M Fana, B Saveyn, A Duboz, European Commission- Joint Research Centre, INT</p> <p>Assessing multimodal mobility trends using heterogeneous data sources: a case study for supporting sustainable mobility policy goals within the Algarve region (6482) ALSO ACCEPTED BY Planning for Sustainable Land Use and Transport Session 3 E Arsenio, S M Silva, LNEC; H I Pereira, Faculdade de Ciências, Universidade de Lisboa; A Domingues, CCDR Algarve, PT</p> <p>FlexKerbs (6561) S Claris, F Karim-Khaku, Arup, UK</p>	<p>MOBILITY CONCEPTS Sponsored by the Global Trends impacting Transport Programme Committee Session Chair:</p> <p>Leveraging on toll operators' experiences as first-generation digital mobility providers (6207) J Davis, AECOM, IE</p> <p>Potential impacts of electric vehicles, MaaS and automated vehicles in Australia (6278) D Harney, Jacobs, AU</p> <p>Potential impacts of electric vehicles, MaaS and automated vehicles in Australia (6279) POSTER D Harney, Jacobs, AU</p> <p>Analysis of the factors for success of innovative mobility concepts (6219) K Viergutz, F Brinkmann, DLR, DE</p>	<p>AUTONOMOUS VEHICLES Sponsored by the Global Trends impacting Transport Programme Committee Session Chair:</p> <p>Digitisation and automatization of transport: a lifeworld perspective of travellers (6373) S Keuchel, Westphalian University, DE</p> <p>Exploring the congestion impacts of autonomous and shared vehicles (6393) V Frebault, Arup, UK</p> <p>Autonomy - the infrastructure conundrum (6253) M Dnes, Department for Transport, UK</p>
Planning for Sustainable Land Use and Transport	<p>UNCERTAINTY Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair:</p> <p>Rehearsing the future: helping policy makers in land use and transport embrace uncertainty (6384) D Hamers, D Snellen, J Tennekes, A van Hoorn, K Nabielek, L van den Broek, PBL Netherlands Environmental Assessment Agency, NL</p> <p>Strategic planning in the face of uncertainty (6429) S Cragg, Transport Scotland; G Lyons, University of the West of England; M Neil, SYSTRA, UK</p>	<p>DISCUSSION SESSION Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair:</p> <p>The science of evidence-based decision making in government (6528) S Wood, Department for Infrastructure Northern Ireland, UK</p>	<p>AUTONOMOUS VEHICLES Sponsored by the Planning for Sustainable Land Use and Transport and Global Trends impacting Transport Programme Committees Session Chair:</p> <p>Impact of driverless cars on urban environments & the future of mobility (6312) L Studer, R Parmar, S Agriesti, M Ponti, P Gandini, G Marchionni, Mobility and Transport Laboratory, Politecnico di Milano, IT</p> <p>The potential of automated vehicles to support polycentric urban growth (6336) E Healy, Weston Williamson and Partners, UK</p> <p>Social sustainability and autonomous vehicles: challenges for planning 21st century cities (6472) C L Sabat, M L Alves Maia, Federal University of Pernambuco, BR</p> <p>CAVs, electric scooters and their implications for the road network design (6503) D Carrignon, Arcadis, UK</p> <p>CAVs, electric scooters and their implications for the road network design (6504) POSTER D Carrignon, Arcadis, UK</p>
Local Public Transport	<p>PLANNING ON THE BIG SCALE Sponsored by the Local Public Transport Programme Committee Session Chair:</p> <p>Several thousand words (6392) I Macbriar, QV Associates, UK</p> <p>Analysis of options for the implementation of Luas Line F (6584) S Byron, M Rogers, Technological University Dublin, IE</p> <p>Impact assessment of new North/South metro line in Amsterdam (6515) POSTER T Brands, Goudappel Coffeng; N van Oort, M Dixit, Delft University of Technology, NL</p>	<p>CABLE CARS Sponsored by the Local Public Transport Programme Committee Session Chair:</p> <p>Session Chair: Gisela von Schlieffen</p> <p>Developing a cable car network – a developer's perspective (6288) D Spencer, Skyline Cableways and Capitol London, UK</p> <p>Urban ropeways: challenges for planning routines of established public transport actors (6367) M Reichenbach; Karlsruhe Institute of Technology (KIT), Institute for Technology Assessment and Systems Analysis (KIT-ITAS), DE</p> <p>Short to medium distance high capacity transit as retrofit: 'elevated connectors' - fast, equitable, social (6406) A Baetzner, Mobility CarSharing/Future Cities Laboratory, CH</p>	<p>TECHNICAL VISIT GO-AHEAD IRELAND DEPOT TPOUR AND SOME PRESENTATIONS ABOUT SETTING UP A NEW COMPANY</p>
Rail Policy and Planning	<p>RAIL AND PERCEPTION Sponsored by the Rail Policy and Planning Programme Committee Session Chair:</p> <p>Understanding train perception to define a targeted communication strategy (6313) S Hasiak, Cerema Nord Picardie, FR</p> <p>What the passenger really wants: rail user centric planning and mobility (6364) D Johnson, K Pangbourne, J Shires, ITS, University of Leeds, UK; S Lettieri, S Mastrangelo, Ergoproject, IT; C Hernandez, UITP, INT; C Vaghi: FIT Consulting, IT</p> <p>WITHDRAWN</p> <p>Assessing travelers' safety perception: case study of an Italian railway station (6559)</p>	<p>REGULATION AND REFORM Sponsored by the Rail Policy and Planning Programme Committee Session Chair:</p> <p>International comparison of rail reform: what effect has EU liberalisation had? What is the best model? R Davis, Department for Transport, UK</p> <p>Stresses and strains for UK train operators (6423) I Hood, Arup; P Meulendijk-de Mol, SNC-Lavalin, UK</p> <p>Railways in Albania - the path for sustainability (6555) A Nunez, V Aragones, The World Bank, INT</p> <p>The Williams Rail Review and beyond: What difference can it make? Perspectives on its implications for the rail sector in Great Britain. Are there any lessons from the EU 27 and elsewhere or recent history in the UK? (6581) A Smyth, University of Hertfordshire, UK</p>	

	P Coppola, F Silvestri, University of Rome Tor Vergata, IT		
Freight and Logistics	<p>MODAL SHIFT Sponsored by the Freight and Logistics and Global Trends impacting Transport Programme Committees Session Chair:</p> <p>New logistics approaches to address the challenges of the extra-mural healthcare (6523) GTIT POSSIBLE N Nesterova, H Quak, TNO, NL WITHDRAWN</p> <p>A taxonomy of modal shift policy in Europe (6449) J Takman, I Vierth, C Gustafsson, N Sedehi Zadeh, Swedish National Road and Transport Research Institute; K Cullinane, A Christodoulou, M Gonzalez-Aregall, University of Gothenburg, SE</p> <p>Opportunities and barriers to modal shift (6470) C Gustafsson, I Vierth, J Takman, Swedish National Road and Transport Institute, SE</p>	<p>RAIL Sponsored by the Freight and Logistics Programme Committee Session Chair:</p> <p>Potential need for a state aid scheme for rail freight in Norway (6351) E Kvalheim, The Norwegian Ministry of Transportation and Communication, NO WITHDRAWN</p> <p>Innovative and autonomous freight wagons towards automated freight train (6400) D Gattuso, G C Cassone, S Mai, Mediterranea University – DIIES, IT</p> <p>Developments in Eurasian rail cargo transportation: interaction between European and Russian transport policy (6480) ALSO in Rail session 6 S Sharapov, Institute for Economic Development and Transport, RU; M Shepherd, Oxera Consulting LLP, UK</p>	<p>ROAD Sponsored by the Freight and Logistics and Transport Economics, Finance and Appraisal Programme Committees Session Chair:</p> <p>Costs and capabilities of innovative concepts of long and heavy vehicles (6243) S Keuchel, U Seidenova, Westphalian University, DE</p> <p>An assessment of sustainability of the freight mega vehicles (6282) M Janić, Delft University of Technology, NL WITHDRAWN</p> <p>Possible impacts of an emission-based truck charge in The Netherlands (6455) M de Bok, I Bal, Significance; L Tavasszy, Delft University of Technology; T Tillema, J Francke, KiM Netherlands Institute for Transport Policy analysis, NL</p>
Transport Economics, Finance and Appraisal	<p>PROPERTY MARKET IMPACTS Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair:</p> <p>A quasi-experimental approach to measuring the impact of Manchester Metrolink on property prices (6314) D Johnson, J Nellthorp, C Leahy, L Jiang, M Ojeda Cabral, University of Leeds, UK WITHDRAWN</p> <p>Modelling the potential for value capture: the property market impact of transport and accessibility (6502) J Nellthorp, M Ojeda Cabral, D Johnson, ITS, University of Leeds, UK</p> <p>Demand for parking space in parking garages in Frankfurt – econometric modeling and forecasts (6233) T Hagen, Frankfurt University of Applied Sciences, DE</p>	<p>NEW COMPONENTS/TECHNIQUES/TOOLS Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair:</p> <p>People-centred business cases (6287) N Herrick, S Nanda, P Corcoran, Department for Transport, UK</p> <p>Equity effects of revenue neutral mileage-based fees for urban and rural households (6512) S S Fitzroy, K Schroeckenthaler, EDR Group, US</p> <p>Mobility of low-income households and car ownership (6493) M Jolly, S Domergue, General Commission for sustainable development; D Meunier (LVMT, UMR-T 9403, École des Ponts, IFSTTAR, UPEM, UPE, FR</p> <p>Valuing community severance in the Highways England Strategic Road Network (6356) P Anciaes, P Jones, University College London; R Wheeler, Highways England, UK</p>	<p>EX-POST EVALUATION Sponsored by the Transport Economics, Finance and Appraisal and Transport Models Programme Committees Session Chair:</p> <p>Understanding the economic performance impacts of road enhancements (6417) C Levy, A Charlesworth-May, Department for Transport, UK</p> <p>Cost performance in construction contracts (6285) M Welde, Norwegian University of Science and Technology NTNU; R Endre Dahl, University of Stavanger, NO</p> <p>Road reform in Norway - better value for money through improved front-end management (6294) M Welde, G Holst Volden, NTNU Norwegian University of Science and Technology, NO</p> <p>Research into better understanding the traffic impacts of road enhancements (6498) B Whittaker, WSP; F Dunkerley, C Rohr, RAND Europe; A Charlesworth-May, T Blackman, I Stead, Department for Transport, UK</p>
Data	<p>SURVEY Sponsored by the Data Programme Committee Session Chair: Csaba Kelen</p> <p>Drone surveys – a new source of data for transport planners (6501) G Coupe, P Wilson, Atkins; D Armstrong, Kestrel Cam; P O'Neill, Intelligent Data, UK</p> <p>Potential analysis OBU data Flanders (6321) P Van Houwe, A Van Clooster, MINT nv; S Vanderhaege, Geo Solutions, BE</p> <p>The optimum days for collecting the short duration traffic count data in Korea (6357) S H Lee, KICT, KR</p>		<p>POLICY AND DATA DRIVEN DECISIONS Sponsored by the Data Programme Committee Session Chair: Johnny Ojeil</p> <p>Conceptualising a Jaccard-like index for bias assessment in air transport networks: the case of the Bureau of Transport Statistics, Origin-Destination Survey (6394) F Teixeira, B Derudder, University of Gent, BE</p> <p>What if big data is not available or not satisfying? a practical case in parking supply data in Paris metropolitan area (6414) F Garcia Castello, RATP, FR</p> <p>Towards data-driven decision making (6426) S Schiebergen, M Heynickx, Brabant Region, NL</p> <p>School accessibility and educational outputs – evidence from Romania (6554) C Amato, A Nunez, World Bank, INT</p>
Transport Models	<p>AGENT-BASED MODELLING AND BIG MODEL APPLICATIONS Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Road map for gradual improvements of travel models – from 4-step to Agent-Based (6347) P Vovsha, G Vyas, D Florian, M Florian, INRO Software, CA</p> <p>Development of a hybrid travel demand model combining agent based microscopic and gravity based macroscopic approaches (6430) H B Rijkssen, R J Koopal, Goudappel Coffeng; L J N Brederode, DAT.Mobility/Delft University of Technology, NL; M L Hollestelle, Strafica, P T Moilanen, Kyyti Group, FI</p> <p>It was twenty years ago today; revisiting time-of-day choice in The Netherlands (6251) G de Jong, Significance, NL and ITS, University of Leeds, UK; M Kouwenhoven, Significance and Delft University of Technology, NL; A Daly, ITS, University of Leeds, UK; S Thoen, Significance; M de Gier, Kantar Public; F Hofman, Rijkswaterstaat, WVL, NL</p>	<p>MODELLING LEISURE AND SIMPLIFICATION Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Automatic generation of derived submodels based on a centrally managed dataset in Flanders (6261) J De Coster, P Van Houwe, MINT, BE; K Verlinden, Significance, NL; D Borremans, Flemish Government, BE</p> <p>Simplified transport modelling in low density areas (6325) W Raballand, P-A Laharotte, Cerema Centre-East, FR</p>	<p>CAR OWNERSHIP Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Car ownership modelling in the Ile de France region (6438) B Zondag, G de Jong, Significance, NL; E Lere, Île-de-France Mobilités, FR</p> <p>French households' preferences for alternative fuel vehicles: a discrete choice analysis of SP data (6500) A Berri, IFSTTAR, FR; S L Mabit, Transport DTU, DK</p> <p>Future evolution of the car stock in Belgium: CASMO, the new satellite of PLANET (6217) L Franckx, Federal Planning Bureau, BE WITHDRAWN</p>

<p>Transport Models</p>	<p>ASSIGNMENT Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Comparison of multiclass traffic assignment methods for cost-benefit analysis (6269) L Engelson, Swedish Transport Administration, SE</p> <p>Recent experiences with implementation of wide area dynamic traffic assignment models (6525) H Slavin, Caliper Corporation, US</p> <p>Modeling public transport networks in large models – a hybrid approach (6424) C Winkler, T Mocanu, Z Wang, DLR - Institute of Transport Research, DE</p>	<p>MICROSIMULATION Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Modelling airport drop-off and pick-up operations (6575) E Ruxton, H Ellafi, S Ghosh, AECOM, UK</p> <p>Pedestrian modelling – where next? (6579) A Leeson, S Ghosh, AECOM, UK</p> <p>The role of microsimulation in decision making process (6479) S Gupta, T Lynch, Arup, UK</p>	<p>SPECIFIC MODELLING ISSUES Sponsored by the Transport Models Programme Committee Session Chair:</p> <p>Deriving elasticities of demand from pivot-point transport models (6242) J Kiel, Panteia; M de Bok, B Wesselink, Significance; M van den Berg, Rijkswaterstaat, NL; G de Jong, Significance, NL and ITS, University of Leeds, UK</p> <p>Dealing with long run time and CPU cores for model production: advances and lessons learned (6255) G Tenekeci, Jacobs, UK</p> <p>Design and use of Quetzal, an open-source Python library for transport modelling (6311) Q Chasserieu, R Goix, SYSTRA, FR</p>
<p>Young Researchers' and Practitioners' Forum</p>	<p>UNDERSTANDING TRAVEL PATTERNS FOR ROUTINE JOURNEYS Sponsored by the Young Researchers' and Practitioners' Forum Session Chair:</p> <p>Optimized sustainable combinations of air and sea travel to remote island communities (6453) T Schönberger, N Ferguson, University of Strathclyde, UK</p> <p>Employment effects of sustainable transport - scenario analysis for Germany using input-output modelling (6567) L Sievers, A Grimm, Fraunhofer Institute for Systems and Innovation Research ISI, DE</p> <p>Modelling employees' journey to work at London Heathrow Airport (6447) D Spyropoulou, Jacobs, UK</p>	<p>Sponsored by the Young Researchers' and Practitioners' Forum and the Transport Models Programme Committee Session Chair:</p> <p>The impact of distance-based value of time on transport models and benefit-cost analyses: a Norwegian case study (6520) O Vestøl, J Odeck, T Tørset, NTNU -Norwegian University of Science & Technology, NO</p> <p>Runnability: modeling runners behavior at urban public spaces (6562) A Anagnostopoulos, Aristotle University of Thessaloniki (AUTH), GR</p> <p>A new travel demand model for outdoor recreation trips (6326) X Jiao, Arcadis, UK</p>	