

Friday 11 October				
Stream	Session 8 0930 - 1100	Session 9 1130 - 1300	Session 10 1400 - 1600	
	<p><b>ECTRI SEMINAR</b> <b>Hibernia Centre Conference Room</b></p> <p><b>Open Science in Transport: challenges and way forward</b> Interactive workshop (panel and group discussion); the audience will be highly involved in the discussions, allowing as many contributions as possible to enrich the common understanding on the practical impact of Open Science in the transport sector.</p> <p>Speakers will include: Caroline Alméras, ECTRI Natalia Manola, Athena RC &amp; OpenAIRE George Yannis/Katerina Folla, NTUA Maria Boile/Afroditi Anagnostopoulou, CERTH-HIT Fabio Cartolano, FTI Consulting/Kolja Kindler, DLR Anja Nielsen, TØI</p>		<p><b>BREXIT</b> <b>Hibernia Centre Conference Room</b></p> <p>Seminar organised by ITS Ireland and ITS UK in conjunction with the British Irish Chamber of Commerce</p>	
Autonomous Vehicles	<p><b>AUTOMATED VEHICLES</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: John Davis, AECOM, IE <b>Castle Hall</b></p> <p><b>Scenarios development to estimate the impacts of automated, connected and electric vehicles</b> M Grosso, J Krause, A Duboz, I Cristinel Raileanu, F Meissner, M Tamba, M Alonso Raposo, B Ciuffo, B Saveyn, European Commission - Joint Research Centre, INT <b>FlexKerbs</b> S Claris, F Karim-Khaku, Arup, UK <b>CAVs and roundabouts: research on traffic impacts and design elements</b> A Anagnostopoulos, F Kehagia, Aristotle University of Thessaloniki (ATh), GR</p>	<p><b>AUTONOMOUS VEHICLES</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Jan Kiel, Panteia, NL <b>Castle Hall</b></p> <p><b>Digitisation and automatisisation of transport: a lifeworld perspective of travellers</b> S Keuchel, Westphalian University, DE <b>Exploring the congestion impacts of autonomous and shared vehicles</b> V Frebault, Arup, UK <b>Autonomy - the infrastructure conundrum</b> M Dnes, Department for Transport, UK <b>Leveraging on toll operators' experiences as first-generation digital mobility providers</b> J Davis, AECOM, IE</p>	<p><b>AUTONOMOUS VEHICLES</b> Sponsored by the Planning for Sustainable Land Use and Transport and Global Trends impacting Transport Programme Committees Session Chair: John Siraut, Jacobs, UK <b>Chesterfield Room</b></p> <p><b>Impact of driverless cars on urban environments &amp; the future of mobility</b> L Studer, R Parmar, S Agriesti, M Ponti, P Gandini, G Marchionni, Mobility and Transport Laboratory, Politecnico di Milano, IT <b>Social sustainability and autonomous vehicles: challenges for planning 21st century cities</b> C L Sabat, M L Alves Maia, Federal University of Pernambuco, BR <b>CAVs, electric scooters and their implications for the road network design</b> D Carrignon, Arcadis, UK</p>	
Global Trends impacting Transport	<p><b>AUTOMATED VEHICLES</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: John Davis, AECOM, IE <b>Castle Hall</b></p> <p><b>Economic, employment and environmental impacts of automated, connected and shared electric vehicles</b> 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 <b>FlexKerbs</b> S Claris, F Karim-Khaku, Arup, UK <b>CAVs and roundabouts: research on traffic impacts and design elements</b> A Anagnostopoulos, F Kehagia, Aristotle University of Thessaloniki (ATh), GR</p>	<p><b>AUTONOMOUS VEHICLES</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Jan Kiel, Panteia, NL <b>Castle Hall</b></p> <p><b>Digitisation and automatisisation of transport: a lifeworld perspective of travellers</b> S Keuchel, Westphalian University, DE <b>Exploring the congestion impacts of autonomous and shared vehicles</b> V Frebault, Arup, UK <b>Autonomy - the infrastructure conundrum</b> M Dnes, Department for Transport, UK <b>Leveraging on toll operators' experiences as first-generation digital mobility providers</b> J Davis, AECOM, IE</p>	<p><b>MOBILITY CONCEPTS</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Csaba Kelen, Arup, UK <b>Castle Hall</b></p> <p><b>Potential impacts of electric vehicles, MaaS and automated vehicles in Australia</b> D Harney, Jacobs, AU <b>Analysis of the factors for success of innovative mobility concepts</b> K Viergutz, F Brinkmann, DLR, DE <b>What we do (not) know about social and economic aspects of the transition towards future urban mobility services including higher levels of automation</b> M Miskolczi, M Jászberényi, Corvinus University of Budapest; A Munkácsy, KTI Institute for Transport Sciences; D Földes, BME Budapest University of Technology and Economics, HU</p>	
Planning for Sustainable Land Use and Transport	<p><b>UNCERTAINTY</b> Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Tim Gent, Atkins, UK <b>Chesterfield Room</b></p> <p><b>Rehearsing the future: helping policy makers in land use and transport embrace uncertainty</b> D Hamers, D Snellen, J Tennekes, A van Hoorn, K Nabielek, L van den Broek, PBL Netherlands Environmental Assessment Agency, NL <b>Strategic planning in the face of uncertainty</b> S Cragg, Transport Scotland; G Lyons, University of the West of England; M Neil, SYSTRA, UK</p>	<p><b>DISCUSSION SESSION</b> Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Danielle Snellen, PBL, NL <b>Chesterfield Room</b></p> <p><b>The science of evidence-based decision making in government</b> S Wood, Department for Infrastructure Northern Ireland, UK</p> <p>Have you ever had:</p> <ul style="list-style-type: none"> <li>• your proposals not implemented or ignored?</li> <li>• your evidence or analysis set aside?</li> <li>• a client ask you to prepare analysis or evidence to support their decision?</li> <li>• the feeling you and your policy-making client are inhabiting different worlds?</li> </ul> <p>Or have you just been frustrated that your reports gather dust on the shelf?</p> <p><b>If so – join the discussion.</b></p> <p>After a start off presentation by Stephen Wood from the Department for Infrastructure Northern Ireland, UK, we will have a conversation with delegates on how to put knowledge into action. The session will be moderated by Daniëlle Snellen, chair of the Planning for Sustainable Transport and Land Use committee.</p>	<p><b>AUTONOMOUS VEHICLES</b> Sponsored by the Planning for Sustainable Land Use and Transport and Global Trends impacting Transport Programme Committees Session Chair: John Siraut, Jacobs, UK <b>Chesterfield Room</b></p> <p><b>Impact of driverless cars on urban environments &amp; the future of mobility</b> L Studer, R Parmar, S Agriesti, M Ponti, P Gandini, G Marchionni, Mobility and Transport Laboratory, Politecnico di Milano, IT <b>The potential of automated vehicles to support polycentric urban growth</b> E Healy, Weston Williamson and Partners, UK <b>Social sustainability and autonomous vehicles: challenges for planning 21st century cities</b> C L Sabat, M L Alves Maia, Federal University of Pernambuco, BR <b>CAVs, electric scooters and their implications for the road network design</b> D Carrignon, Arcadis, UK</p>	

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Local Public Transport	<p><b>PLANNING ON THE BIG SCALE</b> Sponsored by the Local Public Transport Programme Committee Session Chair: Brian Caulfield, Trinity College Dublin, IE <b>Balcony Room</b></p> <p>Several thousand words I Macbriar, QV Associates, UK <b>Analysis of options for the implementation of Luas Line F</b> S Byron, M Rogers, Technological University Dublin, IE <b>Impact assessment of new North/South metro line in Amsterdam</b> T Brands, Delft University of Technology and Goudappel Coffeng; N van Oort, M Dixit, Delft University of Technology, NL</p>	<p><b>CABLE CARS</b> Sponsored by the Local Public Transport Programme Committee Session Chair: Gisela von Schlieffen, RMV, DE <b>Balcony Room</b></p> <p>Developing a cable car network – a developer’s perspective D Spencer, Skyline Cableways and Capitol London, UK <b>Urban ropeways: challenges for planning routines of established public transport actors</b> M Reichenbach; Karlsruhe Institute of Technology (KIT), Institute for Technology Assessment and Systems Analysis (KIT-ITAS), DE <b>Short to medium distance high capacity transit as retrofit: ‘elevated connectors’ - fast, equitable, social</b> A Baetzner, Mobility CarSharing/Future Cities Laboratory, CH</p>	<p><b>TECHNICAL VISIT</b> <b>GO-AHEAD IRELAND</b> <b>DEPOT TOUR AND PRESENTATION ABOUT SETTING UP A NEW COMPANY</b></p> <p>Ed Wills, Managing Director, Go-Ahead Ireland</p>
Rail Policy and Planning	<p><b>RAIL AND PERCEPTION</b> Sponsored by the Rail Policy and Planning Programme Committee Session Chair: Mark van Hagen, NS, NL <b>Guard Room</b></p> <p>Understanding train perception to define a targeted communication strategy S Hasiak, Cerema Nord Picardie, FR <b>Assessing travellers’ safety perception: case study of an Italian railway station</b> P Coppola, F Silvestri, University of Rome Tor Vergata, IT</p>	<p><b>REGULATION AND REFORM</b> Sponsored by the Rail Policy and Planning Programme Committee Session Chair: Edward O’Loughlin, WSP, UK <b>Guard Room</b></p> <p>International comparison of rail reform: what effect has EU liberalisation had? What is the best model? R Davies, Rail Strategy and Economics Ltd., UK <b>Stresses and strains for UK train operators</b> I Hood, Arup; P Meulendijk-de Mol, SNC-Lavalin, UK <b>Railways in Albania - the path for sustainability</b> A Nunez, V Aragones, The World Bank, INT <b>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?</b> A Smyth, University of Hertfordshire; E Humphreys, Independent Rail Consultant, UK</p>	
Freight and Logistics	<p><b>INTERMODAL POLICY: DISCUSSION SESSION</b> Sponsored by the Freight and Logistics Programme Committee Session Chair: Thierry Vanellander, University of Antwerp, BE <b>President’s Room</b></p> <p>The project BRAIN-TRAINS’ main achievement was to have developed a blueprint establishing the detailed criteria and conditions for developing an innovative intermodal network. The workshop tackles five issue tracks for awareness creation and for suggestions and views on what their preferences are with respect to how a user-friendly interface and an observatory ideally should look like. From the workshop, all views will be taken along, and an assessment will be made of what is feasible, and who can contribute to actual interface development.</p> <p>Schedule: Introduction and problem setting (2 min.)</p> <p>BRAIN-TRAINS results introduction (all five topics consecutively) by Thierry Vanellander (3 min. per topic) and discussion (17 min. per topic) by all below-mentioned participants:</p> <ol style="list-style-type: none"> <li>Operational and network planning</li> <li>Economic impact</li> <li>Environmental impact</li> <li>Regulatory need</li> <li>Government organisation</li> </ol> <p>Wrap-up (2 min.)</p> <p>Discussion group participants:</p> <p>All ETC participants interested in sharing views on rail freight intermodal interface and observatory development. Experiences from existing observatories from countries around the world are welcome.</p>	<p><b>RAIL POLICIES</b> Sponsored by the Freight and Logistics Programme Committee Session Chair: Valentin Carlan, University of Antwerp, BE <b>President’s Room</b></p> <p>Innovative and autonomous freight wagons towards automated freight train D Gattuso, G C Cassone, S Mai, Mediterranea University – DIIES, IT <b>Developments in Eurasian rail cargo transportation: interaction between European and Russian transport policy</b> S Sharapov, Institute for Economic Development and Transport, RU; M Shepherd, Oxera Consulting LLP, UK</p>	<p><b>MODAL SHIFT POLICIES</b> Sponsored by the Freight and Logistics and Transport Economics, Finance and Appraisal Programme Committees Session Chair: Sisangile Nduna, University of Antwerp, BE <b>President’s Room</b></p> <p>Costs and capabilities of innovative concepts of long and heavy vehicles S Keuchel, U Seidenova, Westphalian University, DE <b>A taxonomy of modal shift policy in Europe</b> 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 <b>Possible impacts of an emission-based truck charge in The Netherlands</b> 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>

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Transport Economics, Finance and Appraisal	<p><b>NEW COMPONENTS/TECHNIQUES/TOOLS</b> Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Johnny Ojeil, Arup, UK <b>Courtyard Room</b></p> <p><b>Equity effects of revenue neutral mileage-based fees for urban and rural households</b> S S Fitzroy, K Schroeckenthaler, EDR Group, US</p> <p><b>Mobility of low-income households and car ownership</b> M Jolly, S Domergue, General Commission for sustainable development; D Meunier (LVMT, UMR-T 9403, École des Ponts, IFSTTAR, UPEM, UPE, FR</p> <p><b>Valuing community severance in the Highways England Strategic Road Network</b> P Anciaes, P Jones, University College London; R Wheeler, Highways England, UK</p>	<p><b>NEW TECHNIQUES AND APPLICATIONS</b> Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: David Simmonds, David Simmonds Consultancy, UK <b>Courtyard Room</b></p> <p><b>Road users' experience with congestion – a questionnaire survey in the case of Oslo region</b> M Aarestrup Aasness, J Odeck, Norwegian University of Science and Technology NTNU, NO</p> <p><b>Public Private Partnerships for upgrading existing roads</b> R Rafiah, Ekonomikr, H Bonjack, TNM Technology and Management, IL</p>	<p><b>ENERGY AND EMISSIONS</b> Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Tamas Matrai, BME Department of Transport Technology and Economics, HU <b>Courtyard Room</b></p> <p><b>Reactions to feebate systems and their impact on emissions</b> D Berthold, M-Five, DE</p> <p><b>Transport energy model</b> M Humphries, Department for Transport, UK</p> <p><b>Appraising electric vehicles</b> T Mani Lundie, Sweco, UK</p> <p><b>Evaluating sustainable travel</b> M Sellman, Sweco, UK</p>
Data	<p><b>SURVEY</b> Sponsored by the Data Programme Committee Session Chair: Csaba Kelen, Arup, UK <b>Crown Jewels Room</b></p> <p><b>Drone surveys – a new source of data for transport planners</b> G Coupe, P Wilson, Atkins; D Armstrong, Kestrel Cam; P O'Neill, Intelligent Data, UK</p> <p><b>Potential analysis OBU data Flanders</b> P Van Houwe, A Van Clooster, MINT nv; S Vanderhaege, Geo Solutions, BE</p> <p><b>The optimum days for collecting the short duration traffic count data in Korea</b> S H Lee, KICT, KR</p>		<p><b>POLICY AND DATA DRIVEN DECISIONS</b> Sponsored by the Data Programme Committee Session Chair: Johnny Ojeil, Arup, UK <b>Crown Jewels Room</b></p> <p><b>Conceptualising a Jaccard-like index for bias assessment in air transport networks: the case of the Bureau of Transport Statistics, Origin-Destination Survey</b> F Teixeira, B Derudder, University of Gent, BE</p> <p><b>What if big data is not available or not satisfying? a practical case in parking supply data in Paris metropolitan area</b> F Garcia Castello, RATP, FR</p> <p><b>Towards data-driven decision making</b> S Schiebergen, M Heynickx, Brabant Region, NL</p> <p><b>School accessibility and educational outputs – evidence from Romania</b> C Amato, A Nunez, World Bank, INT</p>
Transport Models	<p><b>AGENT-BASED MODELLING AND BIG MODEL APPLICATIONS</b> Sponsored by the Transport Models Programme Committee Session Chair: Wolfgang Scherr, SBB, CH <b>Poddle Room</b></p> <p><b>Road map for gradual improvements of travel models – from 4-step to Agent-Based</b> P Vovsha, G Vyas, D Florian, M Florian, INRO Software, CA</p> <p><b>Development of a hybrid travel demand model combining agent based microscopic and gravity based macroscopic approaches</b> 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><b>It was twenty years ago today; revisiting time-of-day choice in The Netherlands</b> 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><b>TACKLING MODELLING COMPLEXITY 1</b> Sponsored by the Transport Models Programme Committee Session Chair: David Siddle, Jacobs, UK <b>Poddle Room</b></p> <p><b>Automatic generation of derived submodels based on a centrally managed dataset in Flanders</b> J De Coster, P Van Houwe, MINT, BE; K Verlinden, Significance, NL; D Borremans, Flemish Government, BE</p> <p><b>Simplified transport modelling in low density areas</b> W Raballand, P-A Laharotte, Cerema Centre-East, FR</p>	<p><b>TACKLING MODELLING COMPLEXITY 2</b> Sponsored by the Transport Models Programme Committee Session Chair: Dusica Krstic-Joksimovic, Rijkswaterstaat, NL <b>Poddle Room</b></p> <p><b>Car ownership modelling in the Ile de France region</b> B Zondag, G de Jong, Significance, NL; E Lere, Île-de-France Mobilités, FR</p> <p><b>French households' preferences for alternative fuel vehicles: a discrete choice analysis of SP data</b> A Berri, IFSTTAR, FR; S L Mabit, Transport DTU, DK</p>
Transport Models	<p><b>ASSIGNMENT</b> Sponsored by the Transport Models Programme Committee Session Chair: Luc Wismans, Goudappel, NL <b>La Touche Room</b></p> <p><b>Comparison of multiclass traffic assignment methods for cost-benefit analysis</b> L Engelson, Swedish Transport Administration, SE</p> <p><b>Modelling public transport networks in large models – a hybrid approach</b> C Winkler, T Mocanu, Z Wang, DLR - Institute of Transport Research, DE</p> <p><b>Big data fusion and parametrization for strategic transport models</b> L Brederode, Goudappel Coffeng, NL</p>	<p><b>MICROSIMULATION</b> Sponsored by the Transport Models Programme Committee Session Chair: Tim Gent, Atkins, UK <b>La Touche Room</b></p> <p><b>Modelling airport drop-off and pick-up operations</b> E Ruxton, H Ellafi, S Ghosh, AECOM, UK</p> <p><b>Modelling a multi-level stadium, and the problems it generated</b> A Leeson, S Ghosh, AECOM, UK</p> <p><b>The role of microsimulation in decision making process</b> S Gupta, T Lynch, Arup, UK</p> <p><b>A multi-modal microsimulation modelling approach to bicycle infrastructure planning in Dublin</b> L O'Brien, K Hosie, A Houghton, C Manzira, Dublin City Council; S Dunny, AECOM, IE</p>	<p><b>SPECIFIC MODELLING ISSUES</b> Sponsored by the Transport Models Programme Committee Session Chair: David Siddle, Jacobs, UK <b>La Touche Room</b></p> <p><b>Deriving elasticities of demand from pivot-point transport models</b> 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><b>Dealing with long run time and CPU cores for model production: advances and lessons learned</b> G Tenekeci, Jacobs, UK</p> <p><b>Design and use of Quetzal, an open-source Python library for transport modelling</b> Q Chasserieu, R Goix, SYSTRA, FR</p> <p><b>Medium term outlook for road traffic and congestion in the Netherlands</b> J Francke, M Knoope, KiM Netherlands institute for transport policy analysis (KiM), NL</p>

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Young Researchers' and Practitioners' Forum		<p><b>TRANSPORT MODELS</b> Sponsored by the Young Researchers' and Practitioners' Forum and the Transport Models Programme Committee Session Chairs: Fulvio Silvestri, University of Rome "Tor Vergata", IT and Eka Hintaran, Tyrens, UK <b>Room E207 - 208</b></p> <p><b>The impact of distance-based value of time on transport models and benefit-cost analyses: a Norwegian case study</b> O Vestøl, J Odeck, T Tørset, NTNU -Norwegian University of Science &amp; Technology, NO <b>Runnability: modeling runners' behavior at urban public spaces</b> A Anagnostopoulos, Aristotle University of Thessaloniki (AUTH), GR <b>A new travel demand model for outdoor recreation trips</b> X Jiao, Arcadis, UK</p>	<p><b>UNDERSTANDING TRAVEL PATTERNS FOR ROUTINE JOURNEYS</b> Sponsored by the Young Researchers' and Practitioners' Forum Session Chairs: Alberto Gonzalez-Zaera, Jacobs, UK and Andre Goncalves, Sweco, UK <b>Room E207 - 208</b></p> <p><b>Employment effects of sustainable transport - scenario analysis for Germany using input-output modelling</b> L Sievers, A Grimm, Fraunhofer Institute for Systems and Innovation Research ISI, DE <b>Modelling employees' journey to work at London Heathrow Airport</b> D Spyropoulou, Jacobs, UK <b>Optimized sustainable combinations of air and sea travel to remote island communities</b> T Schönberger, N Ferguson, University of Strathclyde, UK</p>