

Wednesday 10 October			
	Opening Session Welcome from the Association for European Transport (AET) Professor Pierluigi Coppola, Chair of the AET Board Conference Welcome Address Shane Ross TD Minister for Transport, Tourism and Sport, Ireland Keynote Address Professor Peter Balazs, European Commission – Directorate General for Mobility and Transport North Sea-Mediterranean		0845 – 1000
	Session 1	Session 2	Session 3
Stream	1045 – 1245	1400 - 1600	1645 - 1815
Value of Time	Value of Time Sponsored by the Transport Economics and Appraisal and Transport Models Programme Committees Session Chair: Iven Stead, Department for Transport, UK How to maintain a robust valuation of travel time savings M Dillon, M Finley, Arup; R Batley, T Dekker, ITS, University of Leeds; I Stead, Department for Transport; A Sivakumar, Imperial College London, UK Quantifying travellers' willingness to pay for a Harbour tunnel in Copenhagen H Lu, B Patrui, C Rohr, A Daly, RAND Europe, UK; H Paag, Tetraplan; G Vuk, Danish Road Directorate, DK Values of time in Ireland outside the capital A Hatfield, P Le Masurier, D Kearns, SYSTRA, IE and UK Congestion dependent Values of Time in modelling and appraisal J Fox, RAND Europe; A Gordon, Mott MacDonald; J Collins, B Whittaker, WSP; I Stead, H Akhtar, Department for Transport, UK Room: Poddle Room	Value of Time Sponsored by the Transport Models, Transport Economics, Finance and Appraisal and Rail Policy and Planning Programme Committees Session Chair: Rimon Rafiah, Economikr, IL The Integrated Fares Model: a decision support tool helping deliver the NTA fares and ticketing programme D Bailey, Systra, IE Meta-analysis of inter-modal cross-elasticities M Wardman, SYSTRA; J Toner, ITS, University of Leeds, UK; N Fearnley, S Flügel, M Killi, Institute of Transport Economics (TOI), NO A rapid evidence assessment of diversion factors for all modes F Dunkerley, C Rohr, RAND Europe; M Wardman, SYSTRA, UK Room: Poddle Room	Rail, Cars and the Use of Time Sponsored by the Rail Policy and Planning Programme Committee Session Chair: Tim Gent, Atkins, UK Impact of car costs on rail demand: cross-elasticity evidence from a range of methods A Hatfield, M Wardman, M Ishtaiwi, SYSTRA; J Shires, ITS, University of Leeds; L Howes, Rail Delivery Group, UK Valuation of business travel time savings for rail users: a comparison of methods M Wardman, SYSTRA; R Batley, M Ojeda Cabral, James Laird, ITS, University of Leeds, UK Rail appraisal in the face of Connected and Autonomous Vehicles', a.k.a 'Disrupting the Disruptors' A Meaney, Oxera, UK Determining price elasticities of rail transport demand for market-can-bear tests G de Jong, Significance BV, NL and ITS, University of Leeds, UK Room: Poddle Room
Autonomous Vehicles	Autonomous Vehicles Sponsored by the Intelligent Mobility - management and operations and Transport Models Programme Committee Session Chair: Henk Taale, Road Traffic and Traffic Management, RWS, NL On determining optimal and safe routes and speed profiles of autonomous vehicles in a network of non-signalised intersections A Di Febbraro, D Giglio, N Sacco, University of Genoa, IT A mobility based on automated vehicle: a feasibility study for Rome A Polineri, A Nuzzolo, University of Rome Tor Vergata; L Persia, University of Rome La Sapienza, IT Application of autonomous vehicles in highway transport: case study of Dublin City, Ireland – Highway M50 A Rezaei, B Caulfield, Trinity College Dublin, IE Room: Hibernia Centre Conference Room	Autonomous Vehicles Sponsored by the Young Researchers' and Practitioners' Forum Session Chair: Samya Ghosh, AECOM, UK Potential effects of autonomous vehicles on Transit-Oriented Development M Caneva, Jacobs, IE Framework for delivering an AV-based mass mobility solution: integrating government-consumer actors and life-cycle analysis of transportation systems U Hasan, A Whyte, Curtin University, AU; H Al-Jassmi, United Arab Emirates University, UAE Room: Hibernia Centre Conference Room	Autonomous Vehicles Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: Gillian Harrison, ITS, University of Leeds, UK From when to what should happen to CAV and MaaS L Willumsen, Kineo Analytics, UK CAV Ireland J McCarthy, Arup, IE Room: Hibernia Centre Conference Room
Walking and Cycling	Modelling Walking and Cycling Sponsored by the Young Researchers' and Practitioners' Forum Session Chair: David Siddle, Jacobs, UK The effect of traffic lights on urban pedestrian movements R Tobin, Jacobs, IE Using Discrete Choice Models to describe pedestrian route choice behavior E Hintaran, Atkins, UK Room: Castle Hall, Level 1	Cycling the City Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Farshid Kamali, Atkins, UK Potential estimation for cycle highways in Berlin L Fremder, DLR - Institute of Transport Research, DE Can bike share schemes result in modal shift: evidence from Dublin B Caulfield, R Benevenuto, Trinity College Dublin, IE Impacts of an active travel intervention with a cycling focus in a suburban context: one-year findings from an evaluation of London's in-progress Mini-Hollands programme R Aldred, J Croft, A Goodman, University of Westminster, UK Room: Castle Hall, Level 1	Cycling: losses and gains Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Gian Paolo Ansaloni, Department for Transport, UK Who gains health benefits from new cycling infrastructures? H Karlsson, G B A Svaboe, T Torset, J Odeck, Norwegian University of Science and Technology, NO Cycling injury risk in London: a case-control study exploring the impact of cycle volumes, motor vehicle volumes, and road characteristics including speed limits R Aldred, A Goodman, J Gulliver, University of Westminster, UK C&W investment strategy: challenges and successes G Boulby, Department for Transport, UK Room: Castle Hall, Level 1

<p>Global Trends impacting Transport</p>	<p>Social Issues Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Anders-Martin Fon, Norwegian Ministry of Transport and Communications, NO</p> <p>From rural poverty to urban amenities – planning accessibility for Northeast Brazil R Benevenuto, F Fernandez, B Caulfield, Trinity College Dublin, IE</p> <p>Transport strategies for an ageing society - what are the challenges for the railways? K Tzanakakis, C MacAongusa, Ministry of Transport and Communications, Sultanate of Oman, OM</p> <p>Room: E213</p>		<p>Safety, Risk and Reliability Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Gav Jackman, Aimsun, UK</p> <p>Hunting for new solutions to reduce fatality numbers E Olaussen Ryeng, Norwegian University of Science and Technology (NTNU), NO</p> <p>RV-DSS (Resilience and Vulnerability-based interdependency assessment tool): quantification of the failure propagation in transport infrastructure D Hajjalizadeh, M Imani, V Christodoulides, Anglia Ruskin University, UK</p> <p>The response to the unforeseen closure of the Forth Road Bridge, lessons learned home and abroad H Gillies, Transport Scotland; A Concannon, Atkins, UK</p> <p>Room: E213</p>
<p>Local Public Transport</p>	<p>The Big Picture - Ownership, Governance and Operation Sponsored by the Local Public Transport Programme Committee Session Chair: Henry Kelly, Department of Transport, UK</p> <p>Cross-subsidizing urban and sub-urban transport – efficiency and distributional impacts J Aarhaug, N Fearnley, Institute of Transport Economics (TOI), NO</p> <p>The impact on ridership from passenger incentives payment to operators A Vigren, VTI, SE</p> <p>Room: Guard Room</p>	<p>Passenger Demand Sponsored by the Local Public Transport Programme Committee Session Chair: Niels van Oort, Delft University of Technology, NL</p> <p>The inevitable rise and mysterious decline in North American public transport ridership since 2008 T J Rosenberger, WSP, US</p> <p>Sometimes, the bus is just full – chances and limits to modal shift in Vienna’s public transport E Fürst, C Vogelauer, Vienna University of Economics and Business, AT</p> <p>Old problem in a new era: how to face rapid motorisation in urban areas A Szele, A Munkacsy, V Hideg, KTI Institute for Transport Sciences, HU</p> <p>Gaining ridership and configurations of buses with a higher level of service R Borsje, W Veeneman, Delft University of Technology, NL</p> <p>Room: Guard Room</p>	<p>Case Studies Sponsored by the Local Public Transport Programme Committee Session Chair: Elaine Seagriff, Jacobs, UK</p> <p>A study of delay on the Luas light-rail network: existing issues and potential solutions S Dunny, C McBain, AECOM; E Gillard, Transport Infrastructure Ireland, IE</p> <p>Luas Cross City - a balancing act K Hosie, S Hickey, O Devilly, Dublin City Council, IE</p> <p>A passenger-oriented framework to assess disruption management strategies in rail-bound urban public transport D S Roelofsen, Goudappel Coffeng; O Cats, S P Hoogendoorn, Delft University of Technology; N van Oort, Goudappel Coffeng and Delft University of Technology, NL</p> <p>Room: Guard Room</p>
<p>Rail Policy and Planning</p>	<p>Learning Lessons Internationally Sponsored by the Rail Policy and Planning Programme Committee Session Chair: Neil Fleming, Department for Transport, UK</p> <p>Lessons for boosting the performance of High Speed Rail (HSR) projects: a benchmarking of the cross-border HSR line Paris-Brussels-Amsterdam E Moschouli, T Vanelslander, University of Antwerp, BE</p> <p>A comparative study of railway planning, operations and delays in Japan and Sweden C-W Palmqvist, L Winslott Hiselius Lund University, SE; N O E Olsson, Norwegian University of Science and Technology, NO</p> <p>Improving mainline passenger rail services through a structured international benchmarking group B Condry, Imperial College London, UK</p> <p>Room: Crown Jewels Room</p>	<p>New Rail Schemes Sponsored by the Rail Policy and Planning Programme Committee Session Chair: Ben Condry, Imperial College, UK</p> <p>Innovative Urban Track System for Luas Cross City M Corsi, TII (Transport Infrastructure Ireland), IE</p> <p>Coventry – Nuneaton rail line upgrade year 1 monitoring and evaluation G Smith, Jacobs; J Weeks, Coventry City Council, UK</p> <p>Crossrail commissioning and legacy C Harmer, Crossrail, UK</p> <p>New or improved rail lines – evaluation case studies of local economic impacts L Pearson, S Finch, Department for Transport, UK</p> <p>Room: Crown Jewels Room</p>	<p>Rail, Cars and the Use of Time Sponsored by the Rail Policy and Planning Programme Committee Session Chair: Tim Gent, Atkins, UK</p> <p>Impact of car costs on rail demand: cross-elasticity evidence from a range of methods A Hatfield, M Wardman, M Ishtaiwi, SYSTRA; J Shires, ITS, University of Leeds; L Howes, Rail Delivery Group, UK</p> <p>Valuation of business travel time savings for rail users: a comparison of methods M Wardman, SYSTRA; R Batley, M Ojeda Cabral, J Laird, ITS, University of Leeds, UK</p> <p>Rail appraisal in the face of Connected and Autonomous Vehicles', a.k.a 'Disrupting the Disruptors' A Meaney, Oxera, UK</p> <p>Determining price elasticities of rail transport demand for market-can-bear tests G de Jong, Significance BV, NL and ITS, University of Leeds, UK</p> <p>Room: Puddle Room</p>
<p>Planning for Sustainable Land Use and Transport</p>	<p>Urban Strategy Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Elaine Seagriff, Jacobs, UK</p> <p>Car free city centers – utopian politics or effective city center development? O Helen Hagen, A Tennøy, E Caspersen, Institute of Transport Economics, NO</p> <p>Towards a new integrated Multi-Year Plan for Infrastructure, Spatial Planning and Transport for Rotterdam The Hague region, success or not? T Straatemeier, Goudappel Coffeng, NL</p> <p>How the 'SUMP approach' influences strategic indicator sets and modal split methodology in Budapest M Juhász, T Fleischer, T Vörös, L Sándor Kerényi, T Hajnal, T Halmos, Széchenyi István Egyetem, HU</p> <p>Room: E207- E208</p>	<p>Cycling the City Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Farshid Kamali, Atkins, UK</p> <p>Potential estimation for cycle highways in Berlin L Fremder, DLR - Institute of Transport Research, DE</p> <p>Can bike share schemes result in modal shift: evidence from Dublin B Caulfield, R Benevenuto, Trinity College Dublin, IE</p> <p>Impacts of an active travel intervention with a cycling focus in a suburban context: one-year findings from an evaluation of London’s in-progress Mini-Hollands programme R Aldred, J Croft, A Goodman, University of Westminster, UK</p> <p>Room: Castle Hall, Level 1</p>	<p>Transit-Oriented Development Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Michael Bach, Independent Consultant, UK</p> <p>How commuting in Greater Copenhagen is shaped by a dedicated land-use policy: the effect of TOD-visions turned into policy practice Y Cornet, M Elle, A Valderrama, Aalborg University, DK</p> <p>Place vs transit node: policy priorities revisited D Olaru, University of Western Australia, AU</p> <p>Smart growth strategies and methodologies for measuring the relationships between land-use and existing transport infrastructure around railway stations W Pretorius, AECOM, NL</p> <p>Room: E207 – E208</p>

<p>Young Researchers' and Practitioners' Forum</p>			<p>Method Session Chair: Wim Korver, Goudappel Groep, NL Sponsored by the Young Researchers' and Practitioners' Forum An exploratory ex-post evaluation of transport models: the case of Norwegian road projects M Fossum, T Tørset. The Norwegian University of Science and Technology; J Odeck, The Norwegian University of Science and Technology and the Norwegian Public Roads Administration, NO Crowd logistics - friendly gesture with bitter aftertaste J Hörnig, C Albrecht, W Verheyen, University of Bayreuth, DE An evaluation of experiences with the use of GPS tracking technology as a method to perform travel surveys and a study of students travel behavior G Svaboe, T Tørset, The Norwegian University of Science and Technology, NO</p> <p>Room: Crown Jewels Room</p>
<p>Data</p>	<p>Policy Sponsored by the Data Programme Committee Session Chair: Johnny Ojeil, Arup, UK</p> <p>A transport and health policy tool utilising new generation data S Grant-Muller, F Hodgson, G Harrison, ITS, University of Leeds; N Malleon, T Redfern, University of Leeds; R Snowball, Newcastle City Council, UK Using coronial data to inform road safety policy and practice in the Republic of Ireland A Kervick, V Burns, Road Safety Authority; E Lynn, S Lyons, Health Research Board, IE Learning from international experience – scoping the Irish National Household Travel Survey D Connolly, S Kearns, Systra, UK Developing national transport strategies using innovative datasets A Bamforth, Arup, UK</p> <p>Room: La Touche Room</p>	<p>Big Data - frustration or opportunity? Sponsored by the Data Programme Committee Session Chair: Andrew Bamforth, Arup, UK</p> <p>A frustrated traffic modeller in a world of big data R Harris, RPS, IE The vehicle data value chain as a lightweight model to describe digital vehicle services C Kaiser, A Stocker, A Festl, Virtual Vehicle Research Center, AT; G Pucher, TraffiCon, AT; M Fellmann, University of Rostock, DE Data, data and more data – recent experience using real time public transit feeds to understand network performance C Bruce, N Bec, Arup, UK</p> <p>Room: La Touche Room</p>	<p>Data Sponsored by the Data Programme Committee Session Chair: Oliver Charlesworth, Citilabs, UK</p> <p>Data driven decisions driving Dublin City's transportation planning and management M O'Donnell, Dublin City Council, IE Benchmarking public transport level of service with open data T Palonen, Tampere University of Technology, FI Insights on GTFS data production, applications and potential in an Irish context B Loreille, Systra, IE</p> <p>Room: La Touche Room</p>
<p>Freight and Logistics</p>	<p>Modelling Sponsored by the Freight and Logistics Programme Committee Session Chair: John Fagan, Arup, uk</p> <p>Implementing the TRIMODE freight and logistics model of Europe I Williams, Ian Williams Services, UK D Apicella, A Bernardi, D Fiorello, D Ongari, TRT Trasporti e Territorio, IT Conceptual model for impact assessment of road pricing for heavy goods vehicles J Francke, T Tillema, O Huibregtse, KiM The Netherlands Institute for Transport Policy Analysis, NL A novel optimization model for short term storage of containers in empty container terminals J Oliveira, R Oliveira, M Gomes, V Reis, R Macario, CERIS, CESUR, Instituto Superior Técnico, Universidade de Lisboa, PT</p> <p>Room: Balcony Room</p>	<p>Data Applications Sponsored by the Freight and Logistics and Global Issues impacting Transport Programme Committees Session Chair: Laurence Chittock, Mott MacDonald, UK</p> <p>Blockchain in transport – scenarios and concepts for adapting an innovative technology M Dobrovnik, C Vogelauer, S Kummer, Vienna University of Economics and Business, AT The Digital Freight Train: the rail freight revolution by SNCF Fret and Traxens B Minary, SNCF Logistics, FR Digitalisation of customs logistics data: the case of the Trieste Port in the AEOLIX project B Di Pierro, M P Fanti, G Iacobellis, M Nolich, S Mininel, W Ukovich, DIA - University of Trieste, IT</p> <p>Room: Balcony Room</p>	<p>Emissions Sponsored by the Freight and Logistics Programme Committee Session Chair: Jan Francke, KiM Netherlands Institute for Transport Policy Analysis, NL</p> <p>How to achieve less CO2 emissions and air pollution from long distance freight transport I Vierth, R Karlsson, T Lindé, VTI -Swedish Road and Transport Research Institute, SE Cost feasibility of LNG and scrubbers in shipping T Vanelander, University of Antwerp, BE</p> <p>Room: Balcony Room</p>
<p>Transport Economics, Finance and Appraisal</p>	<p>Economic Impact of Changing Transport Policy Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Lorraine D'Arcy, Dublin Institute of Technology, IE</p> <p>Explaining low economic return on road projects: evidence from Norway A H Halse, L Fridstrøm, Institute of Transport Economics (TØI), NO The impact of Ireland's petrol and diesel fleet profile on average fuel consumption and emissions S Canny, SYSTRA; B Colleary, National Transport Authority; J Noon, SYSTRA, IE Ireland's uptake of low-emitting vehicles and the impacts on exchequer revenues N Gannon, A Scarlett, Department of Transport, Tourism & Sport, IE</p> <p>Room: President's Room</p>	<p>Long-term Context Sponsored by the Transport Economics, Finance and Appraisal, Global Issues impacting Transport and Planning for Sustainable Land Use and Transport Programme Committees Session Chair: Pauline Wortelboer, KiM, NL</p> <p>Lost in (long term) transitions? Prospective insights, CBA and policy issues R Pochez, Z Kolli, P Brender, General directorate for sustainable development; D Meunier, LVMT, FR Scenario analysis in road traffic forecasts and cross modal scheme appraisal in the UK Department for Transport A Jones, B Meehan, Department for Transport, UK Future mobility scenarios and land use impact assessment with an urban case study P Coppola, F Silvestri, University of Rome Tor Vergata, IT</p> <p>Room: President's Room</p>	<p>Appraisal for programming and prioritisation Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Claus Eberhard, European Investment Bank, INT</p> <p>Programmatic appraisal in the UK M Finley, C Bruce, Arup; J Laird, P Mackie, R Batley, ITS, University of Leeds, UK Transportation programme appraisals: the case of Norwegian National Transport Plan J Odeck, The Norwegian Public Roads Administration and The Norwegian University of Science and Technology; O Kleven, The Norwegian Public Roads Administration, NO Programmatic appraisal of road projects under performance-based contracting R Rafiah, Economikr; H Bonjack, TNM Technology and Management, IL</p> <p>Room: President's Room</p>

<p>Transport Models</p>	<p>Application of New Modelling Methods Using Agents and Individuals Sponsored by the Transport Models Programme Committee Session Chair: Gav Jackman, Aimsun, UK</p> <p>The potential application of Wi-Fi data in the development of agent based pedestrian models F Angelelli, J Morrow, C Greenwood, Atkins, UK Gaining insight into routing behaviors of emergency vehicles from real-world trajectories L Bieker-Walz, Y-P Flötteröd, DLR, DE County town microsimulation and mesoscopic modelling and applications P Arnold, S Vingrys, A Clewes, J Pardo, AECOM; A Gray, Leicestershire County Council, UK</p> <p>Room: Courtyard Room</p>	<p>Using Agent Based Models where nothing else will work Sponsored by the Transport Models Programme Committee Session Chair: Marco Kouwenhoven, Significance, NL</p> <p>Incorporation of travel time reliability in applied travel models P Vovsha, WSP USA, US Business, operational and demand implications of an innovative one way electric car sharing system for a suburban area of Lyon using agent based modelling P Davidson, H Porter, R Culley, Peter Davidson Consultancy, UK; R Bruno, C Boldrini, H Laarabi, Istituto di Informatica e Telematica, Consiglio Nazionale delle Ricerche (IIT-CNR), IT; R Mounce, University of Aberdeen, UK; U Kurz, B Schwieger, TEAM RED, DE Modelling impacts of autonomous vehicles on travel demand P Vovsha, G Vyas, WSP USA, US</p> <p>Room: Courtyard Room</p>	<p>Comparison of Agent Based Models with Conventional Models Sponsored by the Transport Models Programme Committee Session Chair: Aurore Remy, Aimsun, FR</p> <p>Comparison of Hybrid 4-Step and Activity-Based Model performance: example for Jerusalem, Israel G Vyas, P Vovsha, WSP USA, US; D Givon, Y Birotker, I Zananiri, A Mossek, E Bluer, Jerusalem Transportation Masterplan, IL Simplified tour-based model F Contiero, Citilabs, DE; W G Allen, Citilabs, US</p> <p>Room: Courtyard Room</p>
<p>Modal Shift</p>		<p>Modal Shift Sponsored by the Transport Economics, Finance and Appraisal, Global Issues impacting Transport and Intelligent Mobility – management and operations Programme Committees Session Chair: Taro Hallworth, Department for Transport, UK</p> <p>Commuter bus demand, incentives for modal shift, and impact on GHG emissions: example for Greater Boston C Lyman, N Campbell, E J Gonzales, E Christofa, University of Massachusetts, Amherst, US Appraising the introduction of car-shedding incentives in the Greater Dublin Area P Carroll, B Caulfield, A Ahern, Trinity College Dublin, IE Understanding and comparing users’ preferences and choices towards DRT use: the case of Thessaloniki A Papanikolaou, Jacobs Engineering, UK; S Basbas, Aristotle University of Thessaloniki, GR The CHIPS Project - cycle highways innovation for smarter people transport and spatial planning G Clarke, Sustrans, UK</p> <p>Room: E207 – E208</p>	