

**Hibernia Centre Conference Room**

Stream	Session 4 1000 - 1130	Session 5 1130 – 1300	Session 6 1400 – 1530	Session 7 1600 – 1800
<b>Autonomous Vehicles</b>	<p><b>AV DEBATE: DRIVERLESS CARS – INEVITABLE OR NEVER?</b> Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Daniëlle Snellen, PBL, NL <b>Hibernia Centre Conference Room</b></p> <p>Driverless cars (or AV's – autonomous vehicles) are a major hype in the transport world. However, opinions on both the development of the technology as well as the role they can or will play in our future society, differ widely. At ETC 2019, we invite you to join into the debate and explore with us what the hype is all about, what problems AV's may solve (or cause), what obstacles need to be overcome and how they can change our lives, our cities and the way we travel. How can we make this technology work for us?</p> <p>The debate will be kicked off by Christian Wolmar, author, journalist and railway historian, UK and moderated by Daniëlle Snellen, chair of the Planning for Sustainable Land Use and Transport committee.</p>	<p><b>AV IMPACT</b> Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: Maarten Amelink, RWS, NL <b>Hibernia Centre Conference Room</b></p> <p><b>Public survey on the application of autonomous vehicles</b> B Caulfield, A Rezaei, Trinity College Dublin, IE <b>LAMBDA-V - investigations into impacts of AVs in dense urban areas (Birmingham)</b> G Jackman, Aimsun, UK <b>Dutch approach to automated driving</b> M Amelink, RWS, NL</p>	<p><b>AV TRAFFIC MANAGEMENT</b> Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair Luc Wismans, Goudappel, NL <b>Hibernia Centre Conference Room</b></p> <p><b>A practical approach toward implementing automated intersection management</b> J Brouwer, J Drinkall, Sweco, UK <b>Using agreement pattern negotiations for autonomous driving in cities</b> L Burski, AECOM, IE <b>Traffic state prediction services for automated driving and traffic management</b> L Wismans, Goudappel Coffeng and University of Twente; H Palm, DAT.Mobility; H Zwijnenberg, Goudappel Coffeng; W Wieme, Province of Noord-Brabant, NL</p>	<p><b>AV TRAFFIC MANAGEMENT</b> Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: Samya Ghosh, AECOM, UK <b>Hibernia Centre Conference Room</b></p> <p><b>The role of the road network manager of the future?</b> D Lowe, Jacobs Group (Australia) Pty Ltd, AU <b>C-ITS and Signal Control Ireland's Connected Vehicle (C-ITS) Pilot</b> L Street, AECOM; D Laiode-Kemp, Transport Infrastructure Ireland, IE <b>The C-ROADS Day-1 Service Green-Light Optimal Speed Advisory—a mapping study</b> N Mellegård, F Reichenberg, RISE AB, SE <b>Short-term planning of traffic signal controllers</b> L Krol, N van Gurp, Goudappel Coffeng, NL</p>
<b>Aviation</b>	<p><b>AVIATION</b> Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Hermann Maier, Jacobs, UK <b>Courtyard Room</b></p> <p><b>Effects of an aviation tax on aviation in the Netherlands</b> S Grebe, M Kouwenhoven, Significance, NL <b>Bums on seats: issues affecting passenger load factor for international scheduled airlines</b> N Dennis, University of Westminster; D Pitfield, Loughborough University and University of Westminster, UK <b>CORSIA - environmental effects and financial impacts on the aviation sector</b> S Maertens, W Grimme, DLR, DE <b>Investigating the convergence of the scheduled, chartered and low cost UK airline markets over the last 15 years</b> M Judd, N Gorsia, Department for Transport, UK</p>		<p><b>AIR AND AVIATION</b> Session Chair: to be confirmed <b>Room E207 - 208</b></p> <p><b>London Luton Airport DART from concept to reality</b> J Hogg, J Ojeil, Arup, UK <b>The impact of autonomous robot container system on the air cargo logistic chain</b> P Meincke, German Aerospace Center (DLR), DE <b>A system dynamic analysis on the impact of aircraft noise mitigation programs</b> G S Gabriel, IUBH, IN; H Ehmer, DLR, DE</p>	<p><b>AVIATION</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: to be confirmed <b>Room E207 - 208</b></p> <p><b>The impact of blockchain on the aviation system</b> J Jugl, A Wittmer, E Linden, University of St.Gallen, CH <b>Global issues on air carriers' insurance requirements regarding passengers and their impact on European and national provisions</b> Ž Primorac, University of Split, HR; A Kolimbatović, European Parliament, INT <b>Beginning steps of the electrification of commercial passenger aircraft transport</b> A Prapotnik Brdnik, R Kamnik, M Marksel, S Božičnik, University of Maribor, SL <b>Points of law versus 'Gulf-specific' advantages?</b> E Kucsera, University of Pécs; I Santa, Central Bank of Hungary, HU</p>

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Global Trends impacting Transport	<p><b>PRIMAVERA Interactive Workshop</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Erika Palin, Met Office, UK <b>Chesterfield Room</b></p> <p>Providing information to support climate risk assessments in the transport sector using a new generation of high-resolution global climate models G Guentchev, E Palin, M Roberts, J Lockwood, and the PRIMAVERA team, Met Office, UK</p>	<p><b>EMISSIONS/AIR POLLUTION</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Aurore Remy, Aimsun, FR <b>Room 207 – 208</b></p> <p>Decarbonisation of urban transport – a CO2-roadmapping methodology and case study B Kin, S van Zyl, R Kok, TNO, NL <b>Traffic obstructions impact on emissions NOx and PB and resultant public health: analysis and evidence to reduce emissions in achieving thresholds</b> G Tenekeci, A Abubakar, Jacobs, UK <b>Tackling air pollution by parking management measures in densely populated urban areas</b> J Simicevic, V Momcilovic, University of Belgrade, RS <b>modelling and environmental appraisal in highway schemes: a UK case study (6442)</b> N McCormack, Arup; D Deakin, AECOM, UK</p>	<p><b>CLIMATE AND RESILIENCE</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Elisabete Arsenio, LNEC, PT <b>Balcony Room</b></p> <p>Quantifying the economic losses from transport demand disruption due to climate change 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 <b>Quantifying the costs of climate change impacts and adaptation strategies for transport networks in Ireland</b> J Clarke, P Doherty, Gavin &amp; Doherty Geosolutions Ltd., IE</p>	<p><b>CREATING A RESILIENT TRANSPORTATION SYSTEM: POLICY, PLANNING AND IMPLEMENTATION</b> Sponsored by the Global Trends impacting Transport Programme Committee Session Chair: Brian Wolshon, Louisiana State University, US <b>Balcony Room</b></p> <p>Defining resilience and its measurement and evaluation B Wolshon, Louisiana State University, US <b>Traveler adaptation to transportation disruptions</b> P Murray-Tuite, Clemson University, US <b>Resilience, automation and connected vehicles</b> Z Zhang, <i>Beihang</i> University, CN <b>Engineering and system design for transportation resilience</b> S Parr, <i>Embry-Riddle</i> Aeronautical University, US <b>Planning on resilient transportation systems: international perspectives</b> K Kim, University of Hawaii, US</p>
Ireland 2040	<p><b>IRELAND 2040</b> Session Chair: David King, Jacobs, IE <b>Balcony Room</b></p> <p><b>Modelling the Planning Land Use and Transport Outlook (PLUTO) for 2040 Ireland</b> P Carroll, University College Dublin; P O’Sullivan, National Transport Authority of Ireland, IE <b>Cork Metropolitan Area Transport Strategy 2040</b> J P Fitzgerald, Jacobs; I Byrne, Systra; O Shinkwin, National Transport Authority, IE <b>The Galway City Centre Transport Management Plan – transforming Galway City to a people-centric destination</b> C Killeen, B Burke, Arup, IE</p>			
Planning for Sustainable Land Use and Transport		<p><b>THINKING DIFFERENTLY</b> Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Pierluigi Coppola, University of Rome “Tor Vergata”, IT <b>Chesterfield Room</b></p> <p>An innovative resilience focussed and influence based classification for road networks: a case study of National Secondary Roads in Ireland B Martinez-Pastor, S Dunny, AECOM; E Gillard, Transport Infrastructure Ireland, IE <b>Q study of transport planners working on sustainable developments</b> D Knight, Clarkebond and Loughborough University, UK <b>Large scale housing developments: findings of the Exeter case studies</b> D Knight, Clarkebond and Loughborough University, UK</p>	<p><b>CYCLING</b> Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee and the Young Researchers' and Practitioners' Forum Session Chair: Gian Paolo Ansaloni, Department for Transport, UK and Fulvio Silvestri, University of Rome “Tor Vergata”, IT <b>Chesterfield Room</b></p> <p><b>Dare, able and invite to cycle!</b> M van Hagen, B Govers, Netherlands Railways (NS), NL <b>Marketing cycling investment</b> E Brick, C Swift, AECOM, IE <b>An evaluation of cycling safety in Dublin city</b> N O Reilly, B Caulfield, E Mc Govern, Technological University Dublin, IE <b>Topography’s impact on effects of cycle superhighways in Norway</b> A S G Byrne, E Olaussen Ryeng, NTNU -Norwegian University of Science &amp; Technology, NO</p>	<p><b>TRAVEL BEHAVIOUR</b> Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Gian Paolo Ansaloni, Department for Transport, UK <b>Chesterfield Room</b></p> <p>Scenario building and assessment of mobility impacts on urban air quality and health: the case of the Barcelona Metropolitan Mobility Plan 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 <b>Achieving emissions reductions in transport: an assessment of low cost behaviour change programmes for Ireland</b> S Convery, B Caulfield, M O’Mahony, Trinity College Dublin, IE <b>Five good reasons to promote sustainable mobility in small-sized cities. Ex ante assessment of the Municipality of Nemea, Greece</b> E Bakogiannis, C Kyriakidis, G Christodouloupoulou, S Tsigdinos, C Karolemeas, National Technical University of Athens, GR <b>Analysis of commuting habits in the frame of workplace mobility plans</b> D Esztergár-Kiss, A Aba, P Tóth, Budapest University of Technology and Economics, HU</p>

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Local Public Transport	<p><b>PLANNING FOR PASSENGERS' JOURNEYS – THE ROLE OF TECHNOLOGY</b> Sponsored by the Local Public Transport Programme Committee Session Chair: Iain Macbriar, QV Associates, UK <b>President's Room</b></p> <p><b>Potential discrimination of public transport by routing service platforms</b> A Fechner, A Wolf, civity Management Consultants GmbH &amp; Co. KG, DE</p> <p><b>Equity-related impacts of coarser and high frequent public transport networks</b> 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</p>	<p><b>PLANNING FOR PASSENGERS' JOURNEYS – MODAL PERSPECTIVES</b> Sponsored by the Local Public Transport Programme Committee Session Chair: John Hawthorne, Independent Consultant, UK <b>President's Room</b></p> <p><b>Bicycle and transit: a powerful combination</b> R J Huisman, N van Oort, Delft University of Technology, NL</p> <p><b>ioki - the synonym for flexible mobility – available anytime, anywhere and without the need of a private vehicle</b> C Frick, Y Michel, ioki GmbH, Frankfurt, DE</p>	<p><b>PLANNING FOR PASSENGERS' JOURNEYS – PASSENGERS' PERSPECTIVES</b> Sponsored by the Local Public Transport Programme Committee Session Chair: Broos Baanders, Independent Consultant, NL <b>President's Room</b></p> <p><b>Multitasking on-board public transport: evidences from Hungary</b> 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><b>Exploring the links between commuting and wellbeing: the 'boat' factor</b> X Zhao, C Papaix, P Ieromonachou, University of Greenwich, UK</p> <p><b>The economics of the involvement of persons with disabilities in planning and designing public transport systems</b> E W M Fürst, WU Vienna; D Marano, Hilfsgemeinschaft – Association Supporting the Blind and Visually Impaired, AT</p>	<p><b>E-BUSES</b> Sponsored by the Local Public Transport Programme Committee Session Chair: David Taylor, Craighorn Consultancy, UK <b>President's Room</b></p> <p><b>Operations of E-buses: a challenging trade-off in finding optimal charging locations</b> R J Huisman, Goudappel Coffeng; N Van Oort, M Wiercx, Delft University of Technology; W Knol, Over Morgen, NL</p> <p><b>Roll-out the e-buses! operational lessons learned from bus operators worldwide</b> M Baker, A Perchel, International Association of Public Transport (UITP), INT</p> <p><b>COSTART - application of e-buses into existing public transport systems</b> <b>POSTER presentation</b> A Wretstrand, Lund University, SE; T Merkens, ECSM   European Center for Sustainable Mobility, FH Aachen University of Applied Sciences, DE</p>
Rail Policy and Planning	<p><b>TRAINS AND TRIP TIMING BEHAVIOUR</b> Sponsored by the Rail Policy and Planning Programme Committee Session Chair: Charles Harmer, Transport for London, UK <b>Guard Room</b></p> <p><b>On the economic cost of headway for regional rail services</b> E Kroes, A Kourou, VU Universiteit Amsterdam, NL</p> <p><b>Retiming Britain's railways part 2</b> C Nuttall, W Jiang, Atkins, UK</p>	<p><b>RAIL: CONNECTING ECONOMIC AND SOCIAL ACTIVITY</b> Sponsored by the Rail Policy and Planning Programme Committee Session Chair: John Fagan, Arup, UK <b>Guard Room</b></p> <p><b>What is the impact of new rail stations on deprivation?</b> C Xen, Oxera Consulting, UK</p> <p><b>Rail commuter growth in London and Dublin: understanding its causes</b> I Williams, Ian Williams Services; K Jahanshahi, University of Cambridge, UK</p> <p><b>The evaluation and development of rail enhancement projects: a case for putting objectives and project economics at the core of the process</b> M Brown, Amey, UK</p>	<p><b>RAIL CARGO DEVELOPMENTS</b> Sponsored by the Rail Policy and Planning Programme Committee Session Chair: Charles Harmer, Transport for London, UK <b>Guard Room</b></p> <p><b>An economical analysis of 'conversion of Tongi- Bhairab Bazar-Akhaura mg double track into dg double track' and optimistic relative relationship with GDP of Bangladesh</b> S Akter, ACE Consultant Ltd., BD</p>	
Freight and Logistics	<p><b>URBAN LOGISTICS</b> Sponsored by the Freight and Logistics Programme Committee Session Chair: Liam Fassam, University of Northampton, UK <b>Castle Hall</b></p> <p><b>Drivers of freight in London</b> C Teye, C Cheriyan, Transport for London, UK</p> <p><b>Delivering for Dublin!</b> C Ennis, Dublin City Council, IE</p> <p><b>Creation of a database for delivery traffic in urban centres</b> P K Schäfer, K-O Schocke, A Gilbert, D Hofmann, S Höhl, Frankfurt University of Applied Sciences, DE</p>	<p><b>E-COMMERCE LOGISTICS</b> Sponsored by the Freight and Logistics Programme Committee Session Chair: Inge Vierth, VTI – Swedish Road and Transport Research Institute, SE <b>Castle Hall</b></p> <p><b>Will digitalization change freight transport? Future scenarios for the digitized freight transport landscape with Sweden as a case study</b> 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</p> <p><b>Does the internet shopping hype lead to increased van use?</b> J Francke, J Visser, KiM Netherlands institute for transport policy analysis (KiM); M Jacobs, P Ras, Statistics Netherland (CBS), NL</p> <p><b>Discrete choice models and conjoint rating experiment to intercept consumers' attitude towards e-grocery services</b> O M Belcore, M Di Gangi, University of Messina, IT; L Dell'Olio, University of Cantabria, ES</p>	<p><b>SKILLS IN FREIGHT TRANSPORT</b> Sponsored by the Freight and Logistics Programme Committee Session Chair: Joris Cornelissen, RWS, NL <b>Castle Hall</b></p> <p><b>Fixing the HGV driver shortage</b> I Wright, Transport Focus, UK</p> <p><b>Skills gaps in the freight sector in post-Brexit Ireland: The necessity for industry and education collaboration</b> M Brady, Technical University of Dublin, IE</p> <p><b>The future of labour and job skills in ports: a case study for Port of Antwerp</b> T Vanellander, University of Antwerp, BE</p>	<p><b>SEAPORTS/AIRPORTS</b> Sponsored by the Freight and Logistics Programme Committee Session Chair: Joris Cornelissen, RWS, NL <b>Castle Hall</b></p> <p><b>Multimodal hinterland hubs in the Netherlands revisited - a study of container transshipment terminals in the hinterland of Dutch sea ports</b> J Visser, J Francke, N de Gama, KiM Netherlands Institute for Transport Policy analysis, NL</p> <p><b>Container terminal efficiency: Case of Le Havre – Hamburg</b> S Nduna, T Vanellander, E Van de Voorde, H Meersman, University of Antwerp, BE</p>

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Transport Economics, Finance and Appraisal	<p><b>AVIATION</b> Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Hermann Maier, Jacobs, UK <b>Courtyard Room</b></p> <p>Effects of an aviation tax on aviation in the Netherlands S Grebe, M Kouwenhoven, Significance, NL <b>Bums on seats: issues affecting passenger load factor for international scheduled airlines</b> N Dennis, University of Westminster; D Pitfield, Loughborough University and University of Westminster, UK <b>CORSIA - environmental effects and financial impacts on the aviation sector</b> S Maertens, W Grimme, DLR, DE</p>	<p><b>FINANCE, DELIVERY AND INNOVATION</b> Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Keyvan Rahmatabadi, AECOM, UK and IE <b>Courtyard Room</b></p> <p>Delivering mass rapid transit – international case studies and application in the UK context R Sharma, J Hayat, I Drivylas, AECOM, UK <b>Financing mechanisms for sustainable transport and mobility</b> O Feldman, Arcadis, UK <b>Innovation capacity of the European transport sector</b> M Grosso, M van Balen, A Ortega Hortelano, G Haq, F Pekar, Joint Research Centre, European Commission, INT</p>	<p><b>COMBINED APPRAISAL ACROSS PLANNING AND TRANSPORT</b> Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Barry Zondag, Significance, NL <b>Courtyard Room</b></p> <p>Unified Land-use and Transport Appraisal (ULTrA) – further development in appraisal of interacting land-use and transport interventions S Georgieva, L Lees, D Simmonds, T Simpson, David Simmonds Consultancy; A Turner, L Comeau, D Christie, Transport for London, UK <b>Assessment methods for spatial development and infrastructure planning</b> 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</p>	<p><b>ECONOMY AND LAND USE</b> Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: John Siraut, Jacobs, UK <b>Courtyard Room</b></p> <p>What is the economic and financial case for new local or regional rail lines? S Elvery, Rail Delivery Group; M Shepherd, Oxera Consulting, UK <b>The strategic national model of France</b> M Bosredon, E Chinto, D Simmonds, DSC France, FR <b>The Northern Economy and Land Use Model (NELUM)</b> J Swanson, M Costello, J Peters, Steer; J Snape, Transport for the North, UK <b>Interaction between Ireland and the UK post Brexit: an update on the friction effect of post Brexit arrangements on demand for movement and operations</b> A Smyth, University of Hertfordshire; J Cooper, Transport Research Partners, UK</p>
Data	<p><b>DATA</b> Sponsored by the Data Programme Committee Session Chair: Oliver Charlesworth, Citilabs, UK <b>Crown Jewels Room</b></p> <p>Canal networks as walking and cycling corridors: the Canal and River Trust measurement framework P Jackson, G Scott, Tracsis; S Elliott, G Reeves, Canal &amp; River Trust, UK <b>From theory to practice: real-world applications of app-based travel survey data</b> E Adelle, M Mårtensson, A Clark, Trivector, SE</p>	<p><b>INNOVATION IN DATA COLLECTION AND ANALYSIS</b> Sponsored by the Data Programme Committee Session Chair: Laurence Chittock, PTV, UK <b>Crown Jewels Room</b></p> <p><b>MOVE_UK: Using ‘Big Data’ to validate automated driving systems</b> J Kent, Transport Research Laboratory, UK <b>Journey times from floating car data: a systematic comparison</b> M Kouwenhoven, Significance and Technical University of Delft; S Grebe, J Willigers, Significance, NL <b>Harvesting UK Open Rail Data for new insights</b> F Shone, M Lui, Arup, UK</p>		<p><b>MOBILE DATA</b> Sponsored by the Data Programme Committee Session Chair: Olga Feldman, Arcadis, UK <b>Crown Jewels Room</b></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 P-A Laharotte, W Raballand, Cerema Centre-East, FR <b>Understanding the movement of people across the Northern Ireland - Republic of Ireland border from mobile network data</b> S Stewart, P Perret, CitiLogik Limited, UK; W Lecky, A Doherty, Department for the Economy, IE <b>Smartphones and always-on location data: assessing the impact of a transition to mobile devices</b> D McCool, K Røth, L Smeets, Utrecht University &amp; Statistics Netherlands; B Schouten, Statistics Netherlands; P Lugtig, Utrecht University, NL <b>Innovative use case for real time mobile phone data – fixed asset monitoring – is this still required?</b> I Burrows, J Roca, C Wroe, Telefónica UK Ltd., UK</p>
Intelligent Mobility - management and operations	<p><b>SAFETY</b> Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: Gavin Jackman, Aimsun, UK <b>La Touche Room</b></p> <p>An insight into autonomous vehicle crashes in the USA M A Rahman, A Sun, M Akter, University of Louisiana at Lafayette, US <b>An in-depth evaluation of junctions with high cyclist collision rates using laser scanning and drone technologies</b> N O Reilly, E Mc Govern, B Caulfield, Technological University of Dublin, IE <b>Cycle safe intersections - an evaluation of radar bicycle detectors in Dublin City</b> O Devilly, K Hosie, Dublin City Council, IE</p>	<p><b>MOBILITY CONCEPTS</b> Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: Ian Wright, Transport Focus, UK <b>La Touche Room</b></p> <p>Nordic experiences of smart mobility: emerging services and regulatory frameworks T Anu, H Auvinen, VTT, FI; N Fearnley, I M Ydersbond, Institute of Transport Economics, NO <b>Software services and data analytics for the ultimate EV driver experience</b> S Persi, Mosaic Factor, ES</p>	<p><b>AV TRAFFIC MANAGEMENT</b> Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: Luc Wismans, Goudappel, NL <b>Hibernia Centre Conference Room</b></p> <p>A practical approach toward implementing automated intersection management J Brouwer, J Drinkall, Sweco, UK <b>Traffic state prediction services for automated driving and traffic management</b> L Wismans, Goudappel Coffeng and University of Twente; H Palm, DAT.Mobility; H Zwijnenberg, Goudappel Coffeng; W Wieme, Province of Noord-Brabant, NL <b>Using agreement pattern negotiations for autonomous driving in cities</b> L Burski, AECOM, IE</p>	<p><b>MOBILITY AS A SERVICE (MAAS)</b> Sponsored by the Intelligent Mobility - management and operations Programme Committee Session Chair: Csaba Kelen, Arup, UK <b>La Touche Room</b></p> <p>Mobility as a Service in small and medium-sized cities J Vozelj, M Blaž, PNZ consulting designing Ltd, SL <b>Data analytics and technology enablers for a successful MaaS ecosystem</b> S Persi, L Sala, Mosaic Factor, IT <b>Mobility-as-a-Service: from concept and business models to the design of a public policy framework</b> R Lajas, R Macario, IST, Universidade de Lisboa, PT</p>

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Transport Models	<p><b>BIG MODEL APPLICATION</b> Sponsored by the Transport Models Programme Committee Session Chair: Susanna Kerry, Transport for London, UK <b>Poddle Room</b></p> <p><b>Congestion-dependent values of time in modelling and appraisal</b> A Gordon, Mott MacDonald; J Collins, B Whittaker, WSP; J Fox, RAND Europe; I Stead, Department for Transport, UK</p> <p><b>MoTiON - a new travel demand model for London</b> D Christie, C Mills, Transport for London, UK</p> <p><b>Estimating economic benefits for non-modelled periods in the appraisal of a transformational scheme</b> P Clarke, Jacobs; G Powell, Highways England; M Charalambides, MJC; A Mirza, Arcadis, UK</p>	<p><b>AGENT BASED MODELLING 1</b> Sponsored by the Transport Models Programme Committee Session Chair: David Christie, Transport for London, UK <b>Poddle Room</b></p> <p><b>Addressing modelling challenges in the new mobility era: TNCs, MaaS, and AVs</b> P Vovsha, G Vyas, D Florian, INRO Software, CA</p> <p><b>Recent advances in population synthesis for travel models</b> G Vyas, P Vovsha, C D Morosan, M Hodak, D Florian, M Florian, INRO Software, CA</p> <p><b>Out with matrix estimation, in with agent-based estimation: latest developments in model estimation and correction in the ABM-framework</b> K Verlinden, B Wesseling, Significance; L Brederode, DAT.Mobility, NL</p>	<p><b>AGENT BASED MODELLING 2</b> Sponsored by the Transport Models Programme Committee Session Chair: Andrew Bamforth, Arup, UK <b>La Touche Room</b></p> <p><b>Performance and before-and-after impacts of data modelling on behaviour-based survey</b> Y Xiang, S Belamara, N K Hammad Al-Rawi, Ministry of Transport and Communication, QA</p> <p><b>An agent based model for London: exploratory case study</b> G Casey, F Shone, F Karim-Khaku, C Bruce, Arup, UK</p>	<p><b>AIRPORT ACCESS</b> Sponsored by the Transport Models Programme Committee Session Chair: Paul Hanson, AECOM, UK <b>Poddle Room</b></p> <p><b>The new modelling suite for surface access at London Heathrow Airport</b> H Maier, Jacobs; J Howes, Mott MacDonald, UK</p> <p><b>What drives mode share at London Heathrow Airport and what has changed in the last 25 years?</b> M Hickson, H Maier, Jacobs, UK</p> <p><b>Statistical estimation of a new mode share model for air passengers at London Heathrow Airport</b> Z Caicedo, H Maier, Jacobs, UK</p>
Transport Models			<p><b>MODEL DEVELOPMENT</b> Sponsored by the Transport Models Programme Committee Session Chair: David Siddle, Jacobs, UK <b>Crown Jewels Room</b></p> <p><b>NTA long distance model development</b> S Kearns, J Paukert, Systra, IE</p> <p><b>NTA national trip end model development</b> S Kearns, J Paukert, Systra; B Colleary, NTA, IE</p> <p><b>VMÖ – a new strategic transport model for Austria</b> S Grebe, Significance, NL; G de Jong, Significance, NL and ITS Leeds, UK; C Wampera, bmvit -Austrian Federal Ministry of Transport, Innovation and Technology, C Obermayer, OEBB Infrastruktur AG, R Pompl, ASFINAG - Autobahnen- und Schnellstraßen-Finanzierungs-Aktiengesellschaft, AT</p> <p><b>Urban air mobility: another disruptive technology or just an insignificant addition?</b> R Moeckel, C Llorca, A Moreno, A Pukhova, Q Zhang, Technical University of Munich, DE</p>	
Young Researchers' and Practitioners' Forum	<p><b>PUBLIC TRANSPORT AND DATA</b> Sponsored by the Young Researchers' and Practitioners' Forum Session Chairs: Eka Hintaren, Tyrens, UK and Fulvio Silvestri, University of Rome “Tor Vergata”, IT <b>Room E 213</b></p> <p><b>Potential discrimination of public transport by routing service platforms</b> A Fechner, A Wolf, civity Management Consultants GmbH &amp; Co. KG, DE</p> <p><b>Automating bus patronage reporting using VBA</b> K McLoughlin, Jacobs Engineering, IE</p>		<p><b>WORKSHOP</b> <b>Room E213</b></p> <p><b>SUSTAINABLE CITY: THINK, PLAN AND BUILD</b></p> <p>Alberto Gonzalez-Zaera, Jacobs, UK Andre Goncalves, Sweco, UK Eka Hintaran, Tyrens, UK</p>	