

Friday			
	Session 8 0900 - 1030	Session 9 1115 - 1245	Session 10 1400 - 1600
Local Public Transport	<p>Analysing Data on Passengers Sponsored by the Local Public Transport Programme Committee Session Chair: Oliver Charlesworth, Citilabs, UK</p> <p>Public transport modelling using smart ticketing data G Klemenz, Royal Haskoning DHV (Pty), ZA A combined data analytic approach to analyse citywide bus performance using smartcard and GPS location data: a case study in Singapore W P Koh, Q Li, Land Transport Authority, SG The use of GPS located passenger flow data and spatial analytics to rationalise the public transport network in Odesa, Ukraine D Brenig-Jones, A Nunez, Integrated Transport Planning, UK</p> <p>Room: Guard Room</p>	<p>Can buses achieve zero emissions? Sponsored by the Local Public Transport Programme Committee Session Chair: John Hawthorne, Independent Consultant, UK</p> <p>Low emission buses performance data monitoring P Thiessen, Department for Transport, UK Introduction of electric buses in cities – critical challenges and possible solutions M Aldenius, Lund University, SE Operation of a fully electric bus route. case study of Route H16, TMB-Barcelona J Mension, M Pellot, TMB, ES</p> <p>Room: Guard Room</p>	<p>Future Trends Sponsored by the Local Public Transport Programme Committee Session Chair: Iain Macbriar, QV Associates</p> <p>Results from the real-world-laboratory based pilot operation of a timetable- and stopless bus system M Brost, K Karnahl, T Steiner, A-M Ademeit, A Brandies, L Gebhardt, E Neidhardt, DLR, DE Automation in urban public transport systems; the way forward to create better and more liveable cities: a Rotterdam case study A F Scheltes, S A H M Govers, Goudappel Coffeng; N van Oort, Delft University of Technology and Goudappel Coffeng, NL Smart city planning for an uncertain future: the Norwegian approach S Hartmann, A-M Fon, Norwegian Ministry of Transport and Communications, NO The future of fare collection M Burden, Burden Consulting Europe Ltd., IE</p> <p>Room: Guard Room</p>
Rail Policy and Planning		<p>Capacity Optimisation through Timetabling Sponsored by the Rail Policy and Planning Programme Committee Session Chair: John Fagan, Arup, UK</p> <p>Towards a Rijn-Alpino Takt along the Rhine-Alpine Corridor P Endemann, Regionalverband FrankfurtRheinMain, DE Retiming Britain's railways C Nuttall, Atkins, UK Real time estimation of train occupancy using mobile phone data R Prince, P Perret, CitiLogik Limited, UK</p> <p>Room: Crown Jewels Room</p>	
Planning for Sustainable Land Use and Transport		<p>Accessibility and Social Impacts Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Jo Baker, Mott MacDonald, UK</p> <p>Mode or Service Level: what matters most to transit users when deciding how far to walk to public transport? D O'Connor, Dublin Institute of Technology; B Caulfield, Trinity College Dublin, IE The wrong side of the tracks: quantifying barrier effects of transport infrastructure on local accessibility J van Eldijk, Ramböll Sweden/Chalmers Technical University, SE Sustainable accessibility in large scale housing developments D Knight, Clarkebond and Loughborough University, UK</p> <p>Room: Castle Hall, Level 1</p>	<p>Urban Behaviour and Transition Sponsored by the Planning for Sustainable Land Use and Transport Programme Committee Session Chair: Lorraine D'Arcy, Dublin Institute of Technology, IE</p> <p>Citizens and mobility in Barcelona current situation and future prospects M Jofre, C Bouchet, V Moyano, S Paniagua, Fundació Creafutur, ES Targeted marketing of ICT-measures to promote sustainable travel behaviours: motivations for change within different attitudinal segments A Andersson, L Winslott Hiselius, University of Lund, SE New travel patterns - the effect of changing behaviours and age structures in relation to the climate goals of Sweden L Winslott Hiselius, Lund University; L Smidfelt Rosqvist, Trivector Traffic, SE</p> <p>Room: Castle Hall, Level 1</p>
Young Researchers' and Practitioners' Forum	<p>Policy Sponsored by the Young Researchers' and Practitioners' Forum Session Chair: Jo Baker, Mott MacDonald, UK</p> <p>Cybersecurity and transport - how ready are we? C MacAongusa, Mobimetrix, IE The impacts of governance, ownership, competition, regulation and hinterland connectivity on the performance of the Indian "major" seaports S Kumar, H-M Niemeier Hochschule Bremen City University of Applied Sciences, DE; N Adler, Hebrew University of Jerusalem, IL</p> <p>Room: E207 – E208</p>	<p>Urban Public Transport Sponsored by the Young Researchers' and Practitioners' Forum Session Chair: Nico Jabin, Department for Transport, UK</p> <p>Urban re-generation impacts on public transport bus services: Rio de Janeiro's experience L Pires, Jacobs, UK</p> <p>Room: E207 - E208</p>	<p>Safety Sponsored by the Young Researchers' and Practitioners' Forum Session Chair: Andre Goncalves, Sweco, UK</p> <p>Potential safety effects of partially automated vehicles – comprehensive analysis of detailed passenger car crash data R Utriainen, Transport Research Centre Verne, Tampere University of Technology, FI Investigating driver comprehension of all-red clearance intervals with permissive left-turn indications F Tainter, C Fitzpatrick, E Christofa, M A Knodler, University of Massachusetts, US Flashing yellow arrow for right turns: a driving simulator study A Ryan, M A Knodler, University of Massachusetts Amherst, US</p> <p>Room: La Touche Room</p>

<p>Data</p>	<p>Debate Sponsored by the Transport Models and Transport Economics, Finance and Appraisal and Data Programme Committees</p> <p>How will modellers need to respond to the digital revolution happening and does this mean the end of conventional modelling or what does it really mean? Pros and cons plus opportunities</p> <p>Led by Peter Davidson and David Simmonds</p>	<p>Walking and Cycling Sponsored by the Data Programme Committee Session Chair: Tim Gent, Atkins, UK</p> <p>Insights into the experiences of people while walking and cycling, drawn from the combination of qualitative and quantitative data S Ginnane, C Cahill, Liberty Bell, IE Analysing cycling related GPS data from Budapest T Matrai, Budapest University of Technology and Economics; A Glasz, Ministry for Innovation and Technology, HU Using big data to establish the quality of service provided by cycle infrastructure J Seymour, E O'Mahony, AECOM; I McAleese, See Sense, IE</p>	<p>Room: Poddle Room</p>
<p>Freight and Logistics</p>	<p>Urban Freight Policy Sponsored by the Freight and Logistics Programme Committee Session Chair: Morag White, WSP, UK</p> <p>Dublin City Centre Deliveries Strategy - development and implementation C Ennis, Dublin City Council, IE Logistics as a key development issue: observation and assessment C Blanquart, IFSTTAR; M Savy, Paris East University and TDIE, think-tank, FR</p>	<p>Legal Transport Issues Sponsored by the Freight and Logistics Programme Committee Session Chair: Thierry Vanelslander, University of Antwerp, BE</p> <p>Economic implications of a further liberalisation of the European road haulage market S Keuchel, F Ernst, Westfälische Hochschule, DE Legal correlation between transport insurance premiums and FinTech Revolution A Vermes, Széchenyi István University, HU Recent developments of the judicial application of the CMR Convention, with emphasis on the concept of „unavoidable circumstances“ A Szegedi, Széchenyi István University, HU</p>	<p>Room: Balcony Room</p>
<p>Global Trends impacting Transport</p>	<p>Air and Airports Sponsored by the Global Issues impacting Transport Programme Committee</p> <p>Session Chair: Dharmender Tathgur, Department for Transport, UK</p> <p>Intermodal signage in airports: How to improve passenger access to public transport and mobility services A Aliaga, D Dubois, Cerema, FR Assessing the service quality of Jordanian air transportation sector: from the travellers' viewpoint A Pius, H A Helmi, O R Nwaogbe, I Guenane, Arden University, UK</p>	<p>Electric Vehicles Sponsored by the Global Issues impacting Transport Programme Committee Session Chair: Gillian Harrison, ITS, University of Leeds, UK</p> <p>Hybrid, plug-in hybrid and battery electric vehicles – environmental insights and opportunities – a decision maker's perspective M Messagie, T Coosemans, J Van Mierlo, Free University of Brussels, BE A review of the academic literature on electric vehicles in the social sciences T-E Sandberg Hanssen, S Hasan, T A Mathisen, Nord University, NO Policy measures and socio-economic factors for widespread electric vehicle adoption – evidence from Norway S Hasan, T A Mathisen, Nord University, NO</p>	<p>Room: Hibernia Centre Conference Room</p>
<p>Transport Economics, Finance and Appraisal</p>	<p>Pricing Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Morten Welde, Norwegian University of Science and Technology, NO</p> <p>Transforming a financing-based toll ring to a congestion-charging scheme: is it working in the case of Bergen? J Odeck, Norwegian Public Roads Administration and The Norwegian University of Science and Technology; E Lund Presterud, Norwegian Public Roads Administration and NHH Norwegian School of Economics, NO Pricing for prosperity: an approach to road pricing in the UK P Buchanan, K Arter, G Matthews, Volterra Partners; J Siraut, S Rodoulis, S Cohen, Jacobs, UK</p>	<p>Environmental Sponsored by the Transport Economics, Finance and Appraisal Programme Committee Session Chair: Manuel Tao, University of the Algarve, PT</p> <p>Marginal costs of transport: an update for France and a discussion of current pricing D Rouchaud, P Brender, General directorate for sustainable development; D Meunier, LMVT, FR An evaluation of the environmentally differentiated fairway dues in Sweden 1998-2017 T Lindé, I Vierth, The Swedish National Road and Transport Research Institute (VTI), SE Developing Clean Air Zones for liveable cities G Hitchcock, Ricardo, IT</p>	<p>Aviation Sponsored by the Transport Economics, Finance and Appraisal and Intelligent Mobility – management and operations Programme Committees</p> <p>Session Chair: Johnny Ojeil, Arup, UK</p> <p>Pondhopping: changes in airline competition and service patterns on the North Atlantic N Dennis, D Pitfield, University of Westminster, UK Does innovation give incentives to innovate in air transport? T Denis, Université de Tours; I Laplace, C Roucolle, ENAC, FR A regulatory paradox in aviation C Guiomard, M Efthymiou, Dublin City University, IE Measurement of air traffic distributions in European and US markets: a comparative analysis of airline and air transport community trends, 2007-2017 A Reynolds-Feighan, University College Dublin, IE Benefits of prioritized usage of scarce runway capacities E Grunewald, F Rudolph, F Knabe, M Schultz, DLR, DE</p>
<p>Aviation</p>	<p>Air and Airports Sponsored by the Global Issues impacting Transport Programme Committee Session Chair: Dharmender Tathgur, Department for Transport, UK</p> <p>Intermodal signage in airports: How to improve passenger access to public transport and mobility services</p>	<p>Air Transport and Air Quality Session Chair: Hermann Maier, Jacobs, UK Sponsored by the Global Issues impacting Transport Programme Committee</p> <p>Towards wider monitoring of air quality N Padmaprabhu, S Dowling, R McCloskey, M Crotty, Waterford Institute of Technology, IE</p>	<p>Aviation Session Chair: Johnny Ojeil, Arup, UK Sponsored by the Transport Economics, Finance and Appraisal and Intelligent Mobility – management and operations Programme Committees</p> <p>Pondhopping: changes in airline competition and service patterns on the North Atlantic N Dennis, D Pitfield, University of Westminster, UK</p>

	<p>A Aliaga, D Dubois, Cerema, FR Assessing the service quality of Jordanian air transportation sector: from the travellers' viewpoint A Pius, H A Helmi, O R Nwaogbe, I Guenane, Arden University, UK</p> <p>Room: Hibernia Centre Conference Room</p>	<p>Exploring carbon abatement policy measures using the UK Department for Transport's aviation model D Tathgur, Department for Transport, UK Limiting air transport's full climate impact in the European Union – general approach, cost and competitive impacts J Scheelhaase, German Aerospace Center (DLR), DE Effects of international climate policy on aviation G C M Uitbeijerse, H Hilbers, PBL Netherlands Environmental Assessment Agency, NL</p> <p>Room: Hibernia Centre Conference Room</p>	<p>Does innovation give incentives to innovate in air transport? T Denis, (Université de Tours; I Laplace, C Roucolle, ENAC, FR A regulatory paradox in aviation C Guiomard, M Eftymiou, Dublin City University, IE Measurement of air traffic distributions in European and US markets: a comparative analysis of airline and air transport community trends, 2007-2017 A Reynolds-Feighan, University College Dublin, IE Benefits of prioritized usage of scarce runway capacities E Grunewald, F Rudolph, F Knabe, M Schultz, DLR, DE</p> <p>Room: Hibernia Centre Conference Room</p>
<p>Intelligent Mobility – management and operations</p>	<p>New Routes for Transport Planning Sponsored by the Intelligent Mobility – management and operations Programme Committee Session Chair: David Connolly, Systra, UK</p> <p>ITSIM: transit transport planning as a web service A Renwick, H Metge, Systra, FR Data driven decisions for centralised bus priority in Dublin City M O'Donnell, N Bolger, J Calvey, Dublin City Council, IE A GPS Cloud-Based IoT solution for emergency vehicles to bypass traffic N Padmaprabhu, S Davy, F Cleary, Telecommunications Software and Systems Group (TSSG), IE</p> <p>Room: La Touche Room</p>	<p>Safety Sponsored by the Intelligent Mobility – management and operations Programme Committee Session Chair: Farshid Kamali, Atkins, UK</p> <p>Using driver simulation to assess conflicts between drivers and bicyclists at intersections K Deliali, F Tainter, E Christofa, M Knodler, University of Massachusetts Amherst, US Do speed awareness courses reduce reoffending? S Finch, Department for Transport, UK</p> <p>Room: La Touche Room</p>	<p>Safety Sponsored by the Intelligent Mobility – management and operations Programme Committee Session Chair:</p> <p>Investigating the relationship between inclement weather and traffic conditions on the M50 Motorway: a case study using the MAT analysis tool C de Courcy, J Humphreys, D Cummins, AECOM, UK Over-citing or under-citing? a GIS-based analysis of the relationship between speeding crashes and citations M Page, E Christofa, M Knodler, University of Massachusetts, US</p> <p>Room: E207 – E208</p>
<p>Transport Models</p>	<p>Modelling Bikes Sponsored by the Transport Models Programme Committee Session Chair: David Siddle, Jacobs, UK</p> <p>Improved GIS-based tool for bicycling speed estimations B Manum, Norwegian University of Science and Technology (NTNU); P Arnesen, SINTEF Technology and Society, NO; T Nordstrom, Spacescape; J Gil, Chalmers University of Technology, SE Combining spatial network analysis with demographics to study the effect of light segregation on cycling mode share C Cooper, Cardiff University; R Chan, Arup, UK</p> <p>Room: Courtyard Room</p>	<p>Debate Sponsored by the Transport Models and Transport Economics, Finance and Appraisal and Data Programme Committees</p> <p>How will modellers need to respond to the digital revolution happening and does this mean the end of conventional modelling or what does it really mean? Pros and cons plus opportunities</p> <p>Led by Peter Davidson and David Simmonds</p> <p>Room: Poddle Room</p>	<p>Modelling the Policy Drivers of Congestion Sponsored by the Transport Models Programme Committee Session Chair: Mark Wardman, Systra, UK</p> <p>Explaining the hours of delay and car use in the Netherlands from 2005-2016: an empirical approach H van der Loop, M Hamersma, KiM Netherlands Institute for Transport Policy Analysis; J Willigers, Significance; R Haaijer, MuConsult, NL Using customer insight to influence Highways England's policy for roadwork speed limits on the Strategic Road Network R Sheldon, R Risely, Accent; J Paterson, Atkins; M Kumari-Lal, Highways England, UK Preferences of Belgian company car drivers towards alternative solutions for company cars L De Wilde, I Keseru, C Macharis, L Vanhaverbeke, Free University of Brussels, BE</p> <p>Room: Poddle Room</p>
<p>Transport Models</p>	<p>Modelling Bikes Sponsored by the Transport Models Programme Committee Session Chair: David Siddle, Jacobs, UK</p> <p>Improved GIS-based tool for bicycling speed estimations B Manum, Norwegian University of Science and Technology (NTNU); P Arnesen, SINTEF Technology and Society, NO; T Nordstrom, Spacescape; J Gil, Chalmers University of Technology, SE Combining spatial network analysis with demographics to study the effect of light segregation on cycling mode share C Cooper, Cardiff University; R Chan, Arup, UK</p> <p>Room: Courtyard Room</p>	<p>New Features in Assignment Sponsored by the Transport Models Programme Committee Session Chair: Remko Smit, RWS, NL</p> <p>Microscopic simulation and impact assessment of the coexistence of automated and conventional vehicles in European cities A Dahl, C Fléchon, P Sukennik, PTV AG; C Walther, PTV AG and Bauhaus University, Weimar, DE A travel demand matrix estimation method integrating the full richness of observed traffic flow data from congested networks L Brederode, DAT.mobility and Delft University of Technology; K Verlinden, Significance, NL Trip matrix development: impact of adopted approach on forecast scheme user benefits I Stanness, S Psarras, AECOM, UK</p> <p>Room: Courtyard Room</p>	<p>Dynamic versus Static Assignment Sponsored by the Transport Models Programme Committee Session Chair: Paul Hanson, AECOM, UK</p> <p>Incorporating the dynamic elements of a Traffic Management Cell into a static equilibrium assignment model P Clarke, Jacobs; G Powell, Highways England; M Charalambides, E Strankalis, Arcadis, UK Long-distance and daily travel demand: integration of various travel markets using a dynamic traffic assignment C Llorca, R Moeckel, Technical University of Munich; T Mocanu, C Winkler, DLR, DE Can agent based modelling be used in the traffic assignment process: a comparison between SATURN and MATSim H Thomas, Jacobs, UK New traffic assignment framework for strategic mobility planning in large-scale networks T Djukic, S Pujadas, J Perarnau, Aimsun SL, ES; J Roca, Aimsun Ltd., UK</p> <p>Room: Courtyard Room</p>
<p>Transport Models, Travel Behaviour</p>	<p>0915 hours</p> <p>Potential for Shared Mobility Transport Services in Dublin and impacts on travel behaviour and congestion</p> <p>The International Transport Forum, with the National Transport Authority of Ireland, have recently completed an analysis and are using the opportunity provided by ETC in Dublin to launch the report.</p>		

	Aoife O'Grady, Department of Transport, Tourism and Sport Barry Colleary, National Transport Authority Jari Kauppila and Olga Petrik, International Transport Forum		
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Room: Poddle Room