



EUROPEAN TRANSPORT CONFERENCE: 9 – 11 SEPTEMBER 2020

Programme Friday 11 September

Stream	Session 7 1000 hours CEST (0900 hours BST)	Session 8 1300 hours CEST (1200 hours BST)	Session 9 1530 hours CEST (1430 hours BST)
			<p>SPECIAL SESSION ORGANISED WITH THE SOCIETÀ ITALIANA DOCENTI DI TRASPORTI (SIDT) Research and application perspectives in transportation in Italy and Europe: emerging topics</p> <p>Part 1 – invited keynote speeches and roundtable 15:30 – 16:10</p> <ul style="list-style-type: none"> ▪ Gaetano Manfredi, Minister (ministry of university and research, Italy) <i>Perspectives for mobility and transportation in the Italian Research Programme</i> ▪ László Palkovics, Minister (ministry for Innovation and Technology, Hungary) <i>Research infrastructures for connected and autonomous driving: the Zalazone facility</i> ▪ Roundtable <i>Cooperation perspectives for Italy-Hungary research in connected and automated driving</i> (professors László Palkovics, Gaetano Manfredi, Zsolt Szalay*, Cino Bifulco **) <p align="right">* Budapest University of Technology and Economics ** Università degli Studi di Napoli Federico II</p> <p>Part 2 – Joint Italian-European research actions and perspectives 16:20 – 17:00</p> <ul style="list-style-type: none"> ▪ Markos Papageorgiou (Technical University of Crete), Gaetano Fusco (Università La Sapienza di Roma) <i>Traffic flow modeling: theoretical issues and application perspectives for intelligent and connected highways</i> ▪ David Watling (University of Leeds), Giulio E. Cantarella (Università degli studi di Salerno) <i>Modeling transportation networks: perspectives from an abstract theory for travel demand assignment</i>
Global Trends impacting Transport	<p>TECHNOLOGICAL INNOVATIONS Session Chair: Anders-Martin Fon, Ministry of Transport, NO IoT-interoperability in ports and its impact on transport P Zimmerman, Fraunhofer Center for Maritime Logistics and Services, DE Transport network vulnerability and resilience in Western Balkans M Crouse, Wood, UK How can driverless vehicles be useful for families with young children - a case study in Trondheim, Norway W Ma, NTNU, NO</p>	<p>TECHNOLOGICAL INNOVATIONS Session Chair: Amin Rezaei, AECOM, IE Forecasting the success of Hyperloop technology on Italian Routes: a broad feasibility study R Maja, E Favari, C Mariani, Politecnico di Milano, IT Hyperloop – only a pipe dream? M Dillon, L Tabet, H Brandsby, J Jedrasiak, Arup, UK Feasibility study of a potential Hyperloop corridor in Kazakhstan J R Ballesteros Martinez, B Quilici Vellasco, J Sanchez Racionero, ROADIS, ES</p>	<p>SPECIAL SESSION ON CABLE CARS Session Chair: Gisela Graefin von Schlieffen, RMV, DE The cable car as a cost effective mode of public transport for the city of Freetown M Williams, Hastings P3M Consulting Ltd., SL Carbon footprint of a cable car line G Gufler, Doppelmayr Italia, IT The next level of mobility L Manzi, F Carippo, Steer, IT Social assessment of urban cable-car projects in global south cities D Oviedo, J D Davila, University College London, UK JOINT SESSION WITH THE LOCAL PUBLIC TRANSPORT STREAM</p>
Planning for Sustainable Land Use and Transport	<p>WORK AND TRAVEL Session Chair: Barry Zondag, Significance, NL Assessing the potential of public transport for commuters using accessibility indicators T Mocanu, S Metzler, C Winkler, DLR - Institute of Transport Research, DE Measuring System-level Impacts of Co-Working on Transport systems: Case study of a Living Lab in Stockholm, Sweden B Vaddadi, A Pernestål, A Kramers, KTH Royal Institute of Technology, SE, Y Susilo, University of Natural Resources and Life Sciences (BOKU), AT The irreducibles: the causes of non-propensity shift to public mode in university commuting P Beria, S Tolentino, E Perotto, Politecnico di Milano, IT Motives for cycling and walking when commuting - rural versus urban perspectives K Ek, L Wårell, L Andersson, Luleå University of Technology, SE</p>		<p>CYCLING Session Chair: Danielle Snellen, PBL, NL Cycling injury risk in London T Adams, Transport for London, UK Prediction of the free-floating bike sharing system demand from GPS traces C Poliziani, F Rupi, J Schweizer, University of Bologna, IT Evaluating the Cycle City Ambition Programme V Saul, Department for Transport; L Sloman, Transport for Quality of Life, UK</p>
Rail Policy and Planning	<p>INCLUSION Session Chair: Session Chair: Derval Cummins, AECOM, IE Improving interregional rail timetabling through welfare assessment of departure time shifts F Vautard, C Liu, O Fröidh, KTH Royal Institute of Technology, SE The impact of reform and opportunities to boost railway development in the South East Europe region M Petrovic, University of Zagreb, HR; D Macura, University of Belgrade, RS; D Rajic, Rail Cluster of South East Europe, RS; A Burrows, Birmingham Centre for Railway Research and Education, University of Birmingham, UK Delivering an inclusive rail network in Britain J Beard, G Scarani, H Grounds, N Luhr, Mott MacDonald, UK</p>	<p>FUTURE NETWORKS DEVELOPMENT Session Chair: Andrew Meaney, Oxera, UK The role of Twitter by private train operating companies to meet regulatory requirements and earn a social license to operate J Howard, University of Westminster, UK</p>	<p>INNOVATION ICT Session Chair: Niels van Oort, TU Delft, NL Telecommuting while commuting: empirical research in Hungary A Munkacsy, T Strommer, KTI Institute for Transport Sciences; J P Lieszkovszky, Corvinus University of Budapest, HU Mobility apps put to test: how accurate is the information? empirical evidence from Berlin and Vienna E Fürst, J Beuning, WU Vienna; D Marano, Hilfspgemeinschaft, AT Beyond capacity limits G Verstraete, P André, M Goudeau, AREP; S Escolan, tl, FR JOINT SESSION WITH THE LOCAL PUBLIC TRANSPORT STREAM</p>

<p>Rail Policy and Planning</p>	<p>RAIL PROJECTS Session Chair: Broos Baanders, Independent, NL Completing the Elizabeth Line C Harmer, Transport for London, UK A Tram-Train service on an existing rail line in Varese, Italy L Guala, L Sciacchitano, MIC Mobility in Chain Srl; G Arioli, TramTreno Varese committee, Laborex Sa, IT Using multi-dimension Cost-Effectiveness Analysis to prioritize urban rail investment: framework and case study in Italy P Coppola, Politecnico di Milano; D Deponte, A Vacca, F Messa, Systematica; F Silvestri, University of Rome "Tor Vergata", IT JOINT SESSION WITH THE LOCAL PUBLIC TRANSPORT STREAM</p>		
<p>Local Public Transport</p>	<p>RAIL PROJECTS Session Chair: Broos Baanders, Independent, NL Completing the Elizabeth Line C Harmer, Transport for London, UK A Tram-Train service on an existing rail line in Varese, Italy L Guala, L Sciacchitano, MIC Mobility in Chain Srl; G Arioli, TramTreno Varese committee, Laborex Sa, IT Using multi-dimension Cost-Effectiveness Analysis to prioritize urban rail investment: framework and case study in Italy P Coppola, Politecnico di Milano; D Deponte, A Vacca, F Messa, Systematica; F Silvestri, University of Rome "Tor Vergata", IT JOINT SESSION WITH THE RAIL POLICY AND PLANNING STREAM</p>	<p>SOCIAL INCLUSION Session Chair: Elmar Fürst, Hilfgemeinschaft, AT Better transport for everyone? the journey experience of visually impaired people on public transport in London M Cao, University of Westminster, UK HSE open routes M O'Sullivan, Jacobs, IE New approach in transport related social exclusion: the case of rural Hungary J P Lieszkovszky, KTI Institute for Transport Sciences, HU Mobility experiences of blind and low vision road users in Monza P Perego, M R Ciceri, V Merati, F Biassoni, Traffic Psychology Unit of Research UCSC, IT</p>	<p>INNOVATION ICT Session Chair: Niels van Oort, TU Delft, NL Telecommuting while commuting: empirical research in Hungary A Munkacsy, T Strommer, KTI Institute for Transport Sciences; J P Lieszkovszky, Corvinus University of Budapest, HU Mobility apps put to test: how accurate is the information? empirical evidence from Berlin and Vienna E Fürst, J Beuning, WU Vienna; D Marano, Hilfgemeinschaft, AT Beyond capacity limits G Verstraete, P André, M Goudeau, AREP; S Escolan, tl, FR JOINT SESSION WITH THE RAIL POLICY AND PLANNING STREAM</p>
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<p>Freight and Logistics</p>	<p>URBAN POLICY Session Chair: Massimo Marciani, Freight Leaders Council, IT B2C E-commerce in the Metropolitan City of Milan: data, spatial distribution and policies S Saloriani, I Mariotti, Politecnico di Milano, IT Assessing future urban logistics scenarios: case study of the city of Rome F Silvestri, University of Rome Tor Vergata; P Coppola, Politecnico di Milano, IT A data-driven maturity model for the digital transformation of cities in urban freight transport T Otte, RWTH Aachen University; T Meisen, University of Wuppertal, DE</p>	<p>URBAN SOLUTION Session Chair: Morag Robertson, Jacobs, UK Ex-ante assessment of last-mile urban freight delivery with autonomous palletized shuttle barges (PSBs) P Shobayo, E van H, T Vanelander, University of Antwerp, BE Use cases of delivery drones in Germany A Reiffer, M Kagerbauer, P Vortisch, Karlsruhe Institute of Technology (KIT), DE Interdisciplinary recommendations for operating micro depots D Hofmann, F Bergold, T Hagen, S Scheel-Kopeinig, K-O Schocke, P K Schäfer, D Stolte, D Henning Wendt, Frankfurt University of Applied Sciences, DE</p>	<p>FUTURE Session Chair: Massimo Marciani, Freight Leaders Council, IT Future of freight: technology matters A Kaddoussi, G Clarke, AECOM, UK and IE Are "logistics families" resisting the crisis? Confrontation of Burmeister's typology with crisis situations experienced by logistics players N Jouve, L Vaillant, Cerema Nord-Picardie, ESPRIM; C Blanquart, Université Gustave Eiffel, Villeneuve d'Ascq, FR Small inland shipping in the Netherlands: operating below the radar? M van der Horst, D Hoogervorst, J Francke, Netherlands Institute for Transport Policy Analysis (KiM), NL</p>
<p>Young Researchers' and Practitioners' Forum</p>	<p>MOBILITY Session Chair: Alberto M. Gonzalez-Zaera, CP Catapult, UK Eka Hintaran, Tyréns, UK Exploring multimodal mobility patterns with big data in the city of Lisbon C Macedo, R Henriques, INESC-ID and Instituto Superior Técnico, University of Lisbon; E Arsenio, LNEC, Department of Transport, Lisbon, PT Using Google Maps to calculate generalised cost and accessibility for London: a new methodology Z Liu, C Pogonyi, Arup; D Graham, Imperial College London, UK Integrative analysis of public transport and situational context data for supporting urban mobility planning S Cerqueira, R Henriques, INESC-ID and Instituto Superior Técnico, University of Lisbon; E Arsenio, LNEC, Department of Transport, PT</p>	<p>CLIMATE CHANGE Session Chair: Andre Goncalves, Sweco, UK Nima Dadashzadeh, University of Ljubljana, SI Evaluation of Sustainable Urban Mobility Plan capabilities for an uncertain future T Schönberger, University of Strathclyde, UK Decomposing CO2 emissions from the transport sector: the case of Norway A Kokkvoll Tveit, Institute of Transport Economics, NO</p>	
<p>Intelligent Mobility - management and operations</p> <p>Sponsored by</p> 	<p>C-ROADS Session Chair: Michael Behrisch, DLR, DE C-ITS: the C-Roads evaluation approach L Studer, P Gandini, M Ponti, G Marchionni, S Agruesti, Politecnico di Milano, IT Evaluation methodology adopted within the activities of C-Roads Italy for truck platooning and highway chauffeur L Studer, P Gandini, M Ponti, G Marchionni, S Agruesti, Politecnico di Milano, IT Evaluation of LTE-V2X mode 4 communications for C-ITS applications M Karoui, G Chalhoub, A Freitas, Université Clermont Auvergne, FR</p>	<p>C-ROADS Session Chair: Luca Studer, Politecnico di Milano, IT A-to-Be experience: deploying a Portuguese C-ITS highway network under C-ROADS Portugal J P Ribeiro, L T Moura, A-to-Be, PT International carriage of goods by road and circulation of self-driving vehicles: national or supranational regulations? C Tincani, University of Verona, IT Connected vehicles and C-ITS service interoperability (in terms of common messages and their security features) for stakeholders involved in the roll-out in Europe A Frotscher, W Zimmermann, AustriaTech, AT</p>	
<p>Transport Economics, Finance and Appraisal</p>	<p>VALUE OF TIME Session Chair: Rimon Rafiah, Economikr, IL Route choice and the value of travel time savings: a natural experiment from a toll road</p>	<p>EXTERNALITIES Session Chair: Keyvan Rahmatabadi, AECOM, UK Lowering speed limits: an example of ex ante evaluation with ex post insights</p>	

	<p>E Tveter, Molde University College, NO Value of time evaluation of high speed railway users in Turkey G Dalkic-Melek, H Tuydes-Yaman, METU, TR</p>	<p>S Domergue, Commissariat général au développement durable; D Meunier, LVMT, FR Marginal external costs of road freight in the UK R Choudhury, Department for Transport; M L Domingues, W Wainwright, Atkins; C Sheehy, Jacobs, UK Reducing Greenhouse Gas Emissions and Improving Safety in Toll Roads: a mobile app as possible tool to set the right toll price to pay A Maestriperi, Jacobs, UK New car taxation and its unintended environmental consequences A S Bergantino, M Intini, M Percoco, University of Bari, IT Economic incentives throughout the lifecycle of an electric vehicle M Bates, C Franzen, Oxera, UK</p>	
<p>DATA</p> <p>Sponsored by  the mind of movement</p>	<p>MODERN ANALYTICAL DATA Session Chair: Nadia Lyubimova, WSP, UK Harnessing people movement data to shape future activity and people-centric designs: a case study of Salford Quays P O'Hare, Salford City Council; P Jackson, Tracsis, UK Using sensor count data to study the spatio-temporal flows within a multimodal transport hub P de Nailly, E Côme, J Ferriere, RATP, FR Utilising time series decomposition to increase the accuracy of short term forecasting S Bennett, University of Warwick, UK and Independent Consultant, UA; C Connaughton, K Kalair, University of Warwick, UK The Mobility Spectrum: a data driven strategic transport model for the whole of The Netherlands B Possel, Goudappel Coffeng; S De Graaf, L Brederode, DAT.Mobility, NL</p>	<p>DATA FUSION/INTEGRATION Session Chair: Anan Allos, Atkins, UK Fostering people-centered mobility planning within city administrations – a case study of the Berlin district Pankow J Gerlach, J-P Glock, C Kruse, S Hausigke, TU Dresden, DE Existing and future transport demands in Abu Dhabi: the role of intelligent travel data S Bennett, Independent Consultant; A Bin Eshaq, Department of Transport; S Al Hashmi, Abu Dhabi City Municipality, UA Data-driven road safety: developing a systematic framework for proactive and comprehensive road safety management A Dahl, I Luchmann, PTV, DE Lessons learnt from an assessment of public transit data: case study of Konya, Turkey A A Kazemi, H Tuydes-Yaman, Middle East Technical University; M Kurhan, Parabol Software Company, METU Technopark; Z Nalcahar, ISSD Company, METU Technopark, TR</p>	<p>MOBILE NETWORK DATA/GPS DATA Session Chair: Antonio Comi, "Tor Vergata" University of Rome, IT A novel location data intelligence framework fostering smart cycling inclusion and transport decarbonisation in small- to medium-sized European cities. Evidence-based findings from recent trials conducted in German and Italian cities G di Acciaro, G Ciccarelli, NET Engineering S.p.A, BU Transport & Mobility, IT; C Andriolo, Comune di Vicenza, Area servizi al territorio, Servizio Mobilità e Trasporti, IT; K Muthmann, Cyface GmbH, DE Modal OD-Matrices derived from Mobile Network Data M Thust, Deutsche Bahn, DE; L Franceschina, Teralytics, CH</p>
<p>Transport Models</p>	<p>MODELLING RAIL Session Chair: Domenico Gattuso, University of Reggio Calabria, IT Integrated latent variable choice model to evaluate the joint effectiveness of the introduction of a new light rail line and an informative measure F Piras, G Tuveri, E Sottile, I Meloni, University of Cagliari, IT Modelling the effect of different fares on the choice of rail service J Segal, Independent Consultant; J Bates, Independent Consultant, UK</p>	<p>MODELLING ACTIVE TRAVEL Session Chair: Shane Dunny, AECOM, IE The interplay between the choices to cycle to work, for shopping and for leisure F Piras, G Tuveri, E Sottile, I Meloni, University of Cagliari, IT Putting pedestrians first - modelling the pedestrianisation of Oxford Street B Little, WSP, UK A relocation model for bike-sharing systems P Tresca, M Bruglieri, A Colorni Vitale, A Luè, R Nocerino, L Studer, Poliedra - Politecnico di Milano, IT</p>	<p>NEW MODES AND SHARED MOBILITY Session Chair: David Siddle, Jacobs, UK A new agent-based software for designing and optimizing emerging mobility services: application to city of Rennes V Leblond, L Desbureaux, EdgeMind, FR Integration of ride-sharing into a macroscopic public transport assignment M Snethlage, PTV; C R Canales Martinez, University of Stuttgart, DE A new methodology to appraise demand for shared mobility services using mobile network data and activity-based modelling P Franco, D Kaba, S Close, F Galatioto, S Jundi, R Johnston, N Sari, Connected Places Catapult, UK</p>