5.3 Oral Programme

TOPIC A: TRANSPORT MODES - GENERAL		
A1: Air Transport and Airports		
Monday, 11 July		
A1 - 2B - Airline Competition & Efficiency Room: ZHB501 Session Chair: Tae Oum		
10:50-11:10	A1-2B1®	**Airline pricing strategies** C. Latgé-Roucolle*[1], C. Mullër[2], M. Urdanoz[2], *[1]ENAC, France, [2]TBS, France*
11:10-11:30	A1-2B2®	**An econometric dynamic model to estimate passenger demand for air transport industry** R.B. Carmona-Benitez[1]*, M.R. Nieto[1], D. Miranda[1], *[1]Universidad Anahuac Mexico Norte, Mexico*
11:30-11:50	A1-2B3®	**Incorporating continuous representation of preferences for flight departure times into stated airline choice modelling** C.H. Wen[1]*, C.J. Huang[1], C. Fu[2], *[1]Feng Chia University, Taiwan, [2]Feng Chia University, Taiwan, [3]Institute of Transportation, Taiwan*
11:50-12:10	A1-2B4®	**Airline Horizontal Mergers and Productive Efficiency - A quasi-experiment approach with Difference-in-Difference estimation** J. Yan[1], X. Fu[3], T.H. Oum[2]*, K. Wang[2], *[1]Washington State University, USA, [2]The University of British Columbia, Canada, [3]University of Sydney, Australia*
A1 - 2D - Airline Demand Estimation Room: ZHB501 Session Chair: Christian Bontemps		
15:30-15:50	A1-2D1®	**The link between economic growth and air transport in South Asia: Evidence from panel co-integration and error correction models** M.M. Hakim*, R. Merkert , *The University of Sydney, Australia*
15:50-16:10	A1-2D2®	**Scenario tree dependent airline fleet planning** M.G.J. Repko, B.F. Santos*, *TU Delft, The Netherlands*
16:10-16:30	A1-2D3®	**Modelling the choice of air flight departure and return dates on long holidays** C.H. Wen[1]*, Y. Yeh[1], *[1]Feng Chia University, Taiwan*
16:30-16:50	A1-2D4®	**New Methodology for Air Travel Demand Estimation and Airline Competition Analysis in Emerging but Regulated Airline Market** K. Wang[1], T.H. Oum[1], X. Fu[2]*, *[1]The University of British Columbia, Canada, [2]University of Sydney, Australia*
16:50-17:10	A1-2D5®	**Comparing European airline merger experiences from a financial valuation perspective** C.P. Hsu[1], T.G. Flouris[2]*, *[1]City University of New York - York College, USA, [2]Hellenic American University, USA*

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Tuesday, 12 July		
A1 - 3A - Airline Networks Room: ZHB501 Session Chair: Richard Klophaus		
08:30-08:50	A1-3A1	**Airline network structure: Delay and via-hub time** C. Wang[1]*,[2], *[1]Toulouse School of Economics, France,[2]Ecole Nationale de l'Aviation Civile, France*
08:50-09:10	A1-3A2	**A mathematical model for demand distribution in an air transport network: An application to Sardinia** R. Devoto[1]*, N. Diaz Maroto[1], M. Fantola[1], A. Olivo[1], N. Rassu[1], *[1]Cagliari University, Italy*
09:10-09:30	A1-3A3®	**Measuring the vulnerability of global airline alliances to member exits** O. Lordan[1], R. Klophaus*[2], *[1]Universitat Politècnica de Catalunya - Barcelona Tech., Spain, [2]Worms University of Applied Sciences, Germany*
A1 - 3B - Revenue Sources in Aviation Room: ZHB501 Session Chair: Li Zou		
10:30-10:50	A1-3B1®	**Entrepreneurialism and performance in European airports** P. Regan[1]*, *[1]Trinity College Dublin, Ireland*
10:50-11:10	A1-3B2®	**Passengers' willingness to walk to airport terminal shops** W.C. Tseng[1]*, C.L. Wu[1], *1University of South Australia, Australia, 2University of New South Wales, Australia*
11:10-11:30	A1-3B3®	**Appraisal of financial performance and financial profitability in Nigerian airports** A.O. Somuyiwa[1]*, A.O. Oduwole[2], O.O. Oyesiku[3], *[1]Ladoke Akintola University of Technology, Nigeria,[2]Forstech Nig.Ltd, Nigeria,[3]Olabisi Onabanjo University, Nigeria*
11:30-11:50	A1-3B4®	**The pricing responses of non-bag fee airlines to the use of bag fees in the US air travel market** L. Zou[1]*, C.Y. Yu[1], D. Rhoades[1], B. Waguespack[1], *[1]Embry-Riddle Aeronautical University, USA*
A1 - 3D - Multi-Modal Issues and Logistics Management Room: ZHB501 Session Chair: Evy Onghena		
15:30-15:50	A1-3D1	**Efficiency performance of Northeast Asian airports: The impact of high-speed rail development** H-K. Ha[1], Y. Wan[2]*, Y. Yoshida[3], A. Zhang[4], *[1]Inha University, Republic of Korea, [2]Hong Kong Polytechnic University, Hong Kong,[3]National Graduate Institute for Policy Studies, Japan,[4]University of British Columbia, Canada*
15:50-16:10	A1-3D2®	**High-speed rail and air transport competition and cooperation: A vertical differentiation approach** W.X. Xia[1]*, A.Z. Zhang[1,2], *[1]University of British Columbia, Canada,[2]Shanghai Jiao Tong University, China*
16:10-16:30	A1-3D3	**China's logistics perspective: Status and development of the logistics market** H-C. Pfohl[1]*, N. Moraitakis[1], *[1]Technische Universität Darmstadt, Germany*

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16:30-16:50	A1-3D4®	**The impact of maritime freight rates and the oil price on the demand for air freight** F. Kupfer, H. Meersman, E. Onghena*, E. Van de Voorde, *University of Antwerp, Belgium*
Wednesday, 13 July		
A1 - 4A - Airport Capacity and Planning Room: ZHB501 Session Chair: Milan Janic		
08:30-08:50	A1-4A1	**Modelling airport performance using fuzzy concept - the airport perception index** L.O.A.G. Raymundo[1*,2], C.A.N. Cosenza[1], D.E. Pitfield[2], *[1]Universidade Federal do Rio de Janeiro, Brazil, [2]Loughborough University, UK*
08:50-09:10	A1-4A2®	**Share ratio change of public transport in airport landside under the background of car population rapid increase-a case of Shanghai Pudong International Airport** J. Fu[1*], H-F. Lin[1], Y-D. Niu[2], S-Z. He[2], *[1]Tongji University, China, [2]Shanghai Airport (Group) Co., Ltd, China*
09:10-09:30	A1-4A3®	**A large neighborhood search heuristic to establish an optimal ad-hoc hubbing strategy in the wake of a large-scale airport outage** D. Suh[1], M. Ryerson[1*], *[1]University of Pennsylvania, USA*
09:30-09:50	A1-4A4®	**Analysis and modelling effects of solutions for matching the airport runway capacity to demand** M. Janic[1*], *[1]Delft University of Technology, The Netherlands*
A1 - 4B - Human Factors in Aviation Room: ZHB501 Session Chair: Rosário Macário		
10:30-10:50	A1-4B1	**Understanding the issues which affect the career choices of women airline pilots: A research agenda** F. McCarthy[1*], L. Budd[1], S. Ison[1], *[1]Loughborough University, UK*
10:50-11:10	A1-4B2®	**Creating customer loyalty by cabin crew - A study of relationship between emotional labour and job performance** N. Okabe[1*], *[1]Yohama National University, Japan*
11:10-11:30	A1-4B3®	**Modern airport management - fostering individual door-to-door travel** A.B. Classen[1*], C. Werner[1], M. Jung[1], *[1]DLR - Institute of Air Transport and Airport Research, Germany*
11:30-11:50	A1-4B4	**Air transport constraints: Passengers with reduced mobility** S. Zorro[1,2], R. Macário[1*], J. Silva[2], *[1]Instituto Superior Técnico, Portugal, [2]University of Beira Interior, Portugal*
A1 - 4C - Air Traffic Management Room: ZHB501 Session Chair: Michael Kreuz		
13:30-13:50	A1-4C1®	**Identifying similar days for air traffic management** S. Gorripaty[1*], A. Pozdnukhov[1], M. Hansen[1], Y. Liu[1], *[1]University of California Berkeley, USA*
13:50-14:10	A1-4C2	**Optimal design of delay reduction contract in EU air traffic management** C. Wang[1*,2], *[1]Toulouse School of Economics, France, [2]Ecole Nationale de l'Aviation Civile, France*

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14:10-14:30	A1-4C3	**Benchmarking of area control center in FABEC context** T. Standfuss[1]*, [1]*DLR German Aerospace Center, Germany*
14:30-14:50	A1-4C4	**Effect of restricted airspace on the ATM system** M.K. Kreuz[1]*, T.L. Luchkova[1], M.S. Schultz[1], [1]*DLR German Aerospace Center, Germany*
14:50-15:10	A1-4C5®	**Behavioural analysis of scheduled block time adjustment** L.K. Kang[1], M.H. Hansen*[1], M.R. Ryerson[2], L.H. Hao[3] [1]*University of California, USA,* [2]*University of University of Pennsylvania, USA,* [3]*Booz Allen Hamilton Inc, USA*
A1 - 4D - External Impacts from Aviation Room: ZHB501 Session Chair: Tay Koo		
15:30-15:50	A1-4D1®	**The impacts of Civil airport layout to Yunnan local tourism industry** H.Y. Jian[1,2], H.X. Pan[1], G. Xiong[2,1], X.R. Lin[1], [1]*Tongji University, China,* [2]*Kunming Urban Planning & Design Institute, China*
15:50-16:10	A1-4D2®	**The efficiency of noise mitigation measures at European airports** G. Alonso*, A. Benito, L. Boto, *Universidad Politecnica de Madrid, Spain*
16:10-16:30	A1-4D3®	**CSR comprehensiveness review in the airports' industry** D. Dimitriou[1]*, J. Mourmouris[1], E. Chrysochoou[1], [1]*Democritus University of Thrace, Greece*
16:30-16:50	A1-4D4®	**An analysis of the relations between direct international air services and tourist flows: A case of inbound and outbound flows from/to Australia** T. Koo[1]*, F. Dobruszkes[2], C. Lim[3], [1]*University of New South Wales, Australia,* [2]*Free University of Brussels, Belgium,* [3]*Nanyang Technological University, Singapore*
Thursday, 14 July		
A1 - 5A - Government and Regulatory Issues Room: ZHB501 Session Chair: Estelle Malavolti		
08:30-08:50	A1-5A1®	**Developing a conceptual model of organizational safety risk: Case studies of aircraft maintenance organizations in Indonesia** M. Eka Lestiani[1]*, G. Yudoko[1], Y. Yassierli[1], H. Purboyo[1], [1]*Institut Teknologi Bandung, Indonesia*
08:50-09:10	A1-5A2®	**Drones: Military weapons, surveillance or mapping tools for environmental monitoring? Advantages and challenges. A legal framework is required** A. Vacca[1]*, H. Onishi[2], F. Cuccu[1], [1]*University of Sassari, Italy,* [2]*Kingston University, UK*
09:10-09:30	A1-5A3	**Impact of airline deregulation on air service development: The case of Turkey** F. Kuyucak Sengur[1]*, [1]*Anadolu University, Turkey*
09:30-09:50	A1-5A4®	**State aids to regional airports: A two-sided market analysis** E. Malavolti[1*,2], F. Marty[3], [1]*TSE, France,* [2]*ENAC, France,* [3]*CNRS-Sofia Antipolis, France*

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A2: Maritime Transport and Ports		
Monday, 11 July		
A2 - 2B - Port Capacity Room: ZHB502 Session Chair: Thierry Vanelslander		
10:50-11:10	A2-2B1	**Do governments over-invest in port's facilities under congestion and uncertainty?** H.C. Chen[1]*, S.M. Liu[1], *[1]National Taipei University, Taiwan*
11:10-11:30	A2-2B2®	**Towards comprehensive port capacity investment valuation** M. Balliauw[1]*, H. Meersman[1], E. Van de Voorde[1], T. Vanelslander[1], *[1]University of Antwerp, Belgium*
11:30-11:50	A2-2B3®	**Internalization of port congestion: Strategic effect behind shipping line delay** C. Jiang[1]*, H. Hasheminia[3], A. Zhang[2], Y. Wan[4], *[1]University of Manitoba, Canada, [2]University of British Columbia, Canada, [3]San Francisco State University, USA, [4]Hong Kong Polytechnic University, Hong Kong*
11:50-12:10	A2-2B4®	**Impact analysis of mega vessels on container terminal operations** Q. Meng[1]*, J.X. Weng[2], S.Y. Li[1], *[1]National University of Singapore, Singapore, [2]Shanghai Maritime University, China*
A2 - 2D - Maritime Forecasting Room: ZHB502 Session Chair: Christa Sys		
15:30-15:50	A2-2D1®	Moved to Thursday A2-5A
15:50-16:10	A2-2D2®	**Forecasting container throughput in the Hamburg - Le Havre range: Combining ARDL model and scenario analysis.** Y. Rashed[1]*, H. Meersman[1], C. Sys[1], E. Van de Voorde[1], T. Vanelslander[1] *[1]University of Antwerp, Belgium*
16:10-16:30	A2-2D3®	**Evolution of the EU and international shipping: Drivers, challenges and scenarios** D. Artuso[4], Y. Borbon-Galvez[1], C. Sys[1], M. Langeveld[2], T. Vanelslander[1]*, B. Zondag[3], J. Ferencz[2], *[1]University of Antwerp, Belgium, [2]Panteia, The Netherlands, [3]Significance, The Netherlands, [4]PwC, Italy*
16:30-16:50	A2-2D4	**Competition and tariff regulations of Indian container terminals** G.V. Radhakrishnan[1]*, G. Raghuram[1], *[1]Indian Institute of Management Ahmedabad, India*
Tuesday, 12 July		
A2 - 3A - Shipping Fleet Room: ZHB502 Session Chair: Koos Frouws		
08:30-08:50	A2-3A1®	Moved to Wednesday A2-4B1
08:50-09:10	A2-3A2®	**The impact of very large container ships on the seaborne trade to and from China** J.H.E. Taplin[2]*, X. Shi[1], M. Qiu[2], *[1]Shanghai Maritime University, China, [2]University of Western Australia, Australia*

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09:10-09:30	A2-3A3®	**Investment strategy under uncertainty on LNG fuelled vessels for environmental compliance** S. Chen[1]*, S.Y. Zheng[1], Q. Zhang[1], *[1]Shanghai Maritime University, China*
09:30-09:50	A2-3A4®	**Shipper strategies for coping with slow-steaming in deep sea container shipping** C. Finnsgård[2]*, J. Kalantari[4], V. Roso[3], J. Woxenius[1], Z. Raza[1], *[1]University of Gothenburg, Sweden, [2]SSPA, Sweden, [3]Chalmers University of Technology, Sweden, [4]Swedish Maritime Administration, Sweden*
A2 - 3B - Maritime Cluster Room: ZHB502 Session Chair: Johan Woxenius		
10:30-10:50	A2-3B1®	**Maritime and logistics advanced producer services within the Mediterranean: The liner shipping companies' positioning strategies in new market areas** H. Ghiara[1], C. Sillig[1], M. Caminati[1]*, *[1]University of Genoa, Italy*
10:50-11:10	A2-3B2	**Shipping innovation elicited from digitization and datification** M. Lambrou[1]*, *[1]University of the Aegean, Greece*
11:10-11:30	A2-3B3®	**A theoretical framework to conceptualize seaports as institutional and operational clusters** K.I. Ibrahimi[1]*, *[1]University Luarasi, Albania*
11:30-11:50	A2-3B4®	**Effect of legal issues in infrastructure development: The case of container terminal bids in Jawaharlal Nehru port trust** G. Raghuram[1]*, P.D. Udayakumar[1], R. Prajapati[1,2], *[1]Indian Institute of Management Ahmedabad, India, [2]University of California, USA*
A2 - 3D - Port Competitiveness Room: ZHB502 Session Chair: Edwin van Hassel		
15:30-15:50	A2-3D1®	**Port related innovations: The answer to today's constraints and the challenges in seaports** C. Sys[1]*, T. Vanelslander[1], A. Roumboutsos[2], G. Giuliano[4], M. Acciaro[3], *[1]University of Antwerp, Belgium, [2]University of the Aegean, Greece, [3]Kühne Logistics University, Germany, [4]University of Southern California, United States Minor Outlying Islands*
15:50-16:10	A2-3D2®	**Factors influencing port choice: An aggregated analysis of the Colombian case using imports and exports data** J. Cantillo[1], J. Arellana[1], V. Cantillo[1]*, *[1]Universidad del Norte, Colombia*
16:10-16:30	A2-3D3®	**Public investment for port facilities using strategic model** K. Rungjang[1,2]*, T.M. Adams[2], *[1]Kasetsart University, Thailand, [2]University of Wisconsin, USA*
16:30-16:50	A2-3D4®	**Small container terminal modelling: Case study - South Adriatic ports** B. Dragovic[1]*, R. Mestrovic[1], S. Papadimitriu[2], *[1]University of Montenegro, Montenegro, [2]University of Piraeus, Greece*
16:50-17:10	A2-3D5®	**Understanding port congestion as a governance issue: A transaction cost perspective** N. Saeed[1]*, D-W. Song[2], O. Andersen[1], *[1]University of Agder, Norway, [2]World Maritime University, Sweden*

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Wednesday, 13 July		
A2 - 4A - Port Networks Room: ZHB502 Session Chair: Bart Wiegmans		
08:30-08:50	A2-4A1®	**Ports, external costs and transport network design: The case of Northern Italy** D. Ambrosino[1], C. Ferrari[1], A. Sciomachen[1], A. Tei[1]*, *[1]University of Genoa, Italy*
08:50-09:10	A2-4A2®	**Opportunities for peak shaving energy demand of ship to shore quay cranes at container terminals** H. Geerlings[1]*, R. Heij[2], R. van Duin[2], *[1]Erasmus University Rotterdam, The Netherlands, [2]Delft University of Technology, The Netherlands*
09:10-09:30	A2-4A3	**The competitiveness between the Sea Ports in the Hamburg - Le Havre range and the Mediterranean Ports under the influence of the upcoming instalment of the ECA-zone** E. van Hassel[1]*, H. Meersman[1], E. Van de Voorde[1], T. Vanelslander[1], *[1]University of Antwerp, Belgium*
09:30-09:50	A2-4A4®	**Study on function evaluation and development directions of Chinese ports** Q.P. Yang[1]*, J.L. Wu[1], *[1]Waterborne Transportation Institute, China*
09:50-10:10	A2-4A5®	**Restructuring of South Africa's port pricing strategy** S. Gumede[1]*, M. Chasomeris[1], *[1]University of KwaZulu-Natal, South Africa*
A2 - 4B - Shipping Safety Room: ZHB502 Session Chair: Enrico Musso		
10:30-10:50	A2-3A1®	**Are the new fuel efficient bulkers a threat to the old fleet?** J.F.J. Pruyn[1]*, *[1]TUDelft, The Netherlands*
10:50-11:10	A2-4B2®	**Testing the boundaries between the Basel and Marpol regimes** M.G. Argüello[1]*, *[1]University of Gothenburg, Sweden*
11:10-11:30	A2-4B3®	**Ice-related disruptions to ferry services in Eastern Canada: Prevention and consequence mitigation strategies** R.S. Taylor[1,2]*, *[1]Memorial University of Newfoundland, Canada, [2]C-CORE Centre for Arctic Resource Development, Canada*
11:30-11:50	A2-4B4®	**Logistic vessel movements inside offshore plants** S. Zamparelli[1], M. Catalani[1]*, *[1]University of Molise, Italy, [2]University of Naples Parthenope, Italy*
A2 - 4C - Maritime Networks Room: ZHB502 Session Chair: Stefano Zunarelli		
13:30-13:50	A2-4C1®	**Maritime transport of oil and routing choice management** M. Catalani.[1]*, S. Zamparelli.[1], *[1]University of Naples Parthenope, Italy, [2]University of University, Italy*
13:50-14:10	A2-4C2®	**Short sea shipping: A statistical analysis of influencing factors on SSS in European countries** G. Van Den Bos[1], B. Wiegmans[1]*, *[1]TU Delft, The Netherlands*
14:10-14:30	A2-4C3®	**Container liner freight index based on data from e-booking platforms** Y.F. Zhao[1]*, D.L. Zhang[1], T. Yanagita[1], *[1]Shanghai Jiao Tong University, China, [2]The University of Tokyo, Japan*

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14:30-14:50	A2-4C4®	**Multi-objective optimization for a liner shipping service from different perspectives** D.P. Song[1]*, D. Li[1], P. Drake[1], [1]*University of Liverpool, UK*
14:50-15:10	A2-4C5®	**Multipurpose ships: The workhorses or the racehorses from the short sea shipping** J.W. Frouws[1]*, [1]*Delft University of Technology, The Netherlands*
A2 - 4D - Port Optimisation Room: ZHB502 Session Chair: Joost Hintjens		
15:30-15:50	A2-4D1®	**The berth allocation and quay crane assignment integration optimal research based on multi-objective particle swap optimization algorithm** J.X. Cao[1]*, R.D. Wang[1], [1]*Inner Mongolia University, China*
15:50-16:10	A2-4D2®	**Conceptualising the effects of cooperation in hinterland development between neighbouring seaport authorities: The case of the Flemish-Dutch Delta** J. Hintjens[1]*, [1]*University of Antwerp, Belgium*
16:10-16:30	A2-4D3®	**Incorporating container location dispersion into evaluating GCR performance at a transhipment terminal** H. Yu[1]*, Y.E. Ge[1], M.L. Le[2], [1]*Shanghai Maritime University, China,* [2]*Nanjing University of Aeronautics and Astronautics, China*
16:30-16:50	A2-4D4®	**Analysis of maritime team workload and communication dynamics in standard and emergency scenarios** M. Lochner[1]*, A. Duenser[1], M. Lutzhoft[2], B. Brooks[2], D. Rozado[3], [1]*Commonwealth Scientific and Industrial Research Organization, Australia,* [2]*Australian Maritime College, Australia,* [3]*Otago Polytechnic, New Zealand*
16:50-17:10	A2-4D5	**Imitation: Innovation made easy. Cases from the Port Sector** A. Roumboutsos[1]*, T. Vanelslander[2], C. Sys[2], [1]*University of the Aegean, Greece,* [2]*University of Antwerp, Belgium*
Thursday, 14 July		
A2 - 5A - Cruising Room: ZHB502 Session Chair: Claudio Ferrari		
08:30-08:50	A2-5A1®	**Choices of governance of the competitive position for a cruise ship** S. Zamparelli[1], M. Catalani[1]*, [1]*University of Molise Parthenope, Italy*
08:50-09:10	A2-5A2®	**The improvement of passengers' safety on board a cruise ship** S. Zamparelli[1,2], M. Catalani[2]*, A. Scamardella[2], [1]*University of Molise, Italy,* [2]*University of Naples Parthenope, Italy*
09:10-09:30	A2-2D1®	**Looking back 10 years; How accurate are the predictions of a structural maritime macroeconomic model?** J.F.J. Pruyn[1]*, [1]*TU Delft, The Netherlands*

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A3: Rail Transport		
Tuesday, 12 July		
A3 - 3D - High Speed (I) Room: ZHB503 Session Chair: Jack Doomernik		
15:30-15:50	A3-3D1	**Delusions of success: Costs and demand of High Speed Rail in Italy and Spain** P. Beria[1]*, D. Albalate[2], R. Grimaldi[1], G. Bel[2], *[1]Politecnico di Milano, Italy, [2]Universitat de Barcelona, Spain*
15:50-16:10	A3-3D2®	**Research on high-speed train stopping patterns optimization combination based on passenger transfer efficiency** H. Wencheng[1]*, S-H. Bin[1], F. Huiling[2], H. Jiangheng[3], *[1]Southwest Jiaotong University, China, [2]Beijing Jiaotong University, China, [3]Kunming Railway Bureau, China*
16:10-16:30	A3-3D3®	**Mind the services! The risk of intermediate medium-sized HSR cities to be bypassed** A. Moyano[1]*, F. Dobruszkes[2], *[1]Universidad de Castilla- La Mancha, Spain, [2]Université Libre de Bruxelles, Belgium*
16:30-16:50	A3-3D4®	**Technical Development through construction of Hokuriku Shinkansen (From Nagano to Kanazawa)** Y. Sasaki[1]*, K. Yoshioka[1], S. Makiyama[1], H. Asami[1], *[1]JRTT, Japan*
16:50-17:10	A3-3D5®	**The impact of new Shinkansen lines (Tohoku Shinkansen (Hachinohe - Shin-Aomori) and Kyusyu Shinkansen (Hakata - Shin-Yatsushiro))** Y. Kojima[1]*, T. Matsunaga[1], S. Yamaguchi[1], *[1]Japan Railway Construction, Transport and Technology Agency, Japan*
Wednesday, 13 July		
A3 - 4A- High Speed (II) Room: ZHB503 Session Chair: Paulo Beria		
08:30-08:50	A3-4A1®	**Open access for rail passenger services: Lesson learnt from forerunner countries** P. Perennes[1]*, *[1]SNCF Réseau, France*
08:50-09:10	A3-4A2®	**Towards oversized high-speed rail systems? Some lessons from French and Spanish cases** P.D. Zembri[1]*, E. Libourel[1], *[1]Université Paris-Est, France*
09:10-09:30	A3-4A3	**From minimum to reasonable travel time** Y. Cornet[1]*, M. Givoni[4,2], G. Lyons[3], D. Banister[2], *[1]Technical University of Denmark, Denmark, [2]University of Oxford, UK, [3]University of the West of England, UK, [4]Tel Aviv University, Israel*
09:30-09:50	A3-4A4	**Competition on cross-border high-speed rail in Europe after market opening** J.E. Doomernik[1*,2], *[1]Antwerp University, Belgium, [2]Lloyd's Register, The Netherlands*
A3 - 4B - Rail Engineering Room: ZHB503 Session Chair:		
10:30-10:50	A3-4B1®	**Vertical vibration analysis of vehicle-track-subgrade coupled system with dynamic flexibility method** X.W. Yang[1]*, S.J. Gu[1], S.H. Zhou[1], Y. Shu[1], X.Y. Ma[1], *[1]Tongji University, China*

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10:50-11:10	A3-4B2®	**Design and layout of the physical environment in a metro system: Appraisal of Tyne and Wear Metro driver's perceptions** A. Rjabovs[1]*, R. Palacin[1], *[1]Newcastle University, UK*
11:10-11:30	A3-4B3	**Propulsion systems for 21st century rail** R. Isaac[1]*, L. Fulton[1], *[1]University of California, USA*
11:30-11:50	A3-4B4	**Determinants of rolling stock maintenance cost in metros** R.B.A. Brage-Ardao[1]*, D.J.G. Graham[1], R.A. Anderson[1], *[1]Imperial College London, UK*
11:50-12:10	A3-4B5®	**Estimating clamping force of rail fastener system by experimental and numerical methods** Q.T. Li[1]*, Y. Luo[1], Y. Liu[1], *[1]Tongji University, China*
A3 - 4C - Rail Operations Room: ZHB503 Session Chair:		
13:30-13:50	A3-4C1®	**Models and algorithms for dynamic headway control** L. Fu[1], M. Dessouky[1]*, *[1]University of Southern California, USA*
13:50-14:10	A3-4C2	**Evaluation of railway traffic control efficiency and its determinants** B. Roets[1]*, J. Christiaens[1], *[1]Ghent University, Belgium*
14:10-14:30	A3-4C3®	**Large depot redevelopment project in central Tokyo** S. Morimoto[1]*, T. Serizawa[1], S. Honda[2], *[1]East Japan Railway Company, Japan, [2]JR East Consultants Company, Japan*
14:30-15:10	A3-4C4	**Railway rescheduling under adverse weather conditions on a single-track line** Y. Wang[1]*, R. Liu[1], R. Kwan[1], *[1]University of Leeds, UK*
A3 - 4D - Rail Management (I) Room: ZHB503 Session Chair: Yves Crozet		
15:30-15:50	A3-4D1®	**Towards a rail congestion formalization from a consumer perspective** M. Pérez Herrero[1*,2], *[1]Universite Lyon 2, France, [2]SNCF Reseau, France*
15:50-16:10	A3-4D2®	**Estimation of passenger flow for planning and management of railway stations** Y. Ahn[1]*, T. Kowada[3], H. Tsukaguchi[1], U. Vandebona[2], *[1]Ritsumeikan University, Japan, [2]University of New South Wales, Australia, [3]Central Japan Railway Company, Japan*
16:10-16:30	A3-4D3®	**Capacity analysis of stations with multiple platforms - case Stuttgart 21** I.A. Hansen[1*,2], *[1]Delft University of Technology, The Netherlands, [2]Beijing Jiaotong University, China, [3]Southwest Jiaotong University, China*
16:30-16:50	A3-4D4®	**A study on various effects caused by newly-opened urban rapid transit in the Tokyo metropolitan area** M. Akiyoshi[1]*, K. Tochigi[1], T. Ishino[1], *[1]Japan Railway Construction Transport and Technology Agency, Japan*
16:50-17:10	A3-4D5®	**Should upstream merger be regulated in a railway system with monopolistic operator?** G. Xie[1]*, *[1]Chinese Academy of Sciences (CAS), China*

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Thursday, 14 July		
A3 - 5A - Rail Management (II) Room: ZHB503 Session Chair: Ingo Hansen		
08:30-08:50	A3-5A1®	**Railway shippers' heterogeneous preferences with random parameters latent class model** L.D. Duan[1]*, Q.P. Peng[1], Y.Y. Tang[1], *[1]Southwest Jiaotong University, China*
08:50-09:10	A3-5A2®	**Rail freight development in Europe: How to deal with imperfect competition?** Y. Crozet[1]*, *[1]University of Lyon, France*
09:10-09:30	A3-5A3®	**How much does a metro cost? A continuing saga, insights from recently completed projects** D. Hidalgo[1], D.P. Patella[2], L. Canon Rubiano[3], J.M. Velasquez[1]*, *[1]WRI Ross Center for Sustainable Cities, Colombia, [2]World Bank, USA, [3]World Bank, Colombia*
09:30-09:50	A3-5A4®	**RailNet: A simulation model for operational planning of rail freight** G. Michal[1], N. Huynh[1], N. Shukla[1], A. Munoz[1], J. Barthelemy[1]*, *[1]University of Wollongong, Australia*

A4: Road Transport - General		
Monday, 11 July		
A4 - 2B - Taxi Service Room: ZHB504 Session Chair:		
10:50-11:10	A4-2B1	**Modelling local taxi customer-search movements in a cell-based network** R.C.P. Wong[1], W.H. Yang[1]*, W.Y. Szeto[1], S.C. Wong[1], *[1]The University of Hong Kong, Hong Kong*
11:10-11:30	A4-2B2	**Mobile internet + Campus bicycle sharing system planning** L. Shi[1]*, J. Ma[1], L. Wu[1], *[1]Nanjing Forestry University, China*
11:30-11:50	A4-2B3®	**Exploring taxi service quality from different perspectives: The case of Bogota** A. Rodriguez-Valencia[1,2]*, *[1]Universidad de los Andes, Colombia, [2]UC Davis, USA*
A4 - 2D - Intercity Bus Service Room: ZHB504 Session Chair:		
15:30-15:50	A4-2D1®	**Intercity coach liberalisation: The cases of Germany and Italy** R. Grimaldi[1],K. Augustin[2],P. Beria[1]*,*[1]Politecnico di Milano, Germany [2]KCW Gmbh, Italy*
15:50-16:10	A4-2D2	**Intercity bus deregulation in Germany: Results after 3 years** A. Knorr[1]*, A. Lueg-Arndt[2], A. Heinemann[3], A. Eisenkopf[4], *[1]German University of Administrative Sciences Speyer, Germany, [2]Frankfurt University of Applied Sciences, Germany, [3]University of Bremen, Germany, [4]Zeppelin University, Germany*
16:10-16:30	A4-2D3	**User acceptance of long distance bus services in Germany** A. Eisenkopf[1]*, C. Burgdorf[1], A. Knorr[2], *[1]Zeppelin University Friedrichshafen, Germany, [2]DUV Speyer, Germany*
16:30-16:50	A4-2D4®	**Liberalisation of intercity coach market in Germany and France: New trends, bottlenecks and impact on the European integration** L. Guihery[1]*, *[1]University of Cergy-Pontoise - Labo M.R.T.E., France*

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16:50-17:10	A4-2D5	**Planning the location of new intercity bus terminals: Case study of Istanbul Metropolitan area** D. Akin[1]*, D. Kara[2], *[1]Gediz University, Turkey, [2]Istanbul Metropolitan Municipality, Turkey*
Tuesday, 12 July		
A4 - 3A - Non-Motorized Transport Room: ZHB504 Session Chair:		
08:30-08:50	A4-3A1®	**Empirical investigation on merging crowd behaviour with and without blocked vision** N. Shiwakoti[1], X. Shi[2]*, Z. Ye[2], Y. Gong[2], W. Wang[2], *[1]RMIT University, Australia, [2]Southeast University, China*
08:50-09:10	A4-3A2®	**Survey of detection techniques, mathematical models and simulation software in pedestrian dynamics** C. Caramuta[1], G. Collodel[1], C. Giacomini[1]*, C. Gruden[1], G. Longo[1], P. Piccolotto[1], *[1]Università degli Studi di Trieste, Italy*
09:10-09:30	A4-3A3®	**Mobility improvements by electric two-wheels in public transit less-developed areas.** H.X. Pan[1], X.Y. He[1]*, L.K. Wang[2], *[1]Tongji University, China, [2]Shanghai Urban Construction Design & Research Institute, China*
09:30-09:50	A4-3A4	**Typology of bikesharing members in Montreal** C. Morency[1]*, M. Trépanier[1], B. Agard[1], J. Faucher[1],*[1]Polytechnique Montreal, Canada*
09:50-10:10	A4-3A5®	**Quality analysis of a transport mode detection using fuzzy rules** A. Sauerländer-Biebl[1]*, E. Brockfeld[1], D. Suske[1], E. Melde[1], *[1]German Aerospace Center, Germany*
A4 - 3B - Travel Time, Reliability & Safety Room: ZHB504 Session Chair:		
10:30-10:50	A4-3B1®	**Analysis of real-time crash risk and crash frequency for expressway ramps using traffic, geometric, land-use, and trip generation predictors** L. Wang[1]*, M. Abdel-Aty[1], J. Lee[1], Q. Shi[1], *[1]University of Central Florida, USA*
10:50-11:10	A4-3B2®	**Freeway crash frequency modelling under the time-of-day distribution** Y.C. Chiou[1]*, Y.C. Sheng[1], C. Fu[1], *[1]National Chiao Tung University, Taiwan*
11:10-11:30	A4-3B3®	**Study on the characteristics of travel time based on the method of wavelet decomposition** J.Y. Jiang[1]*, X.F. Shi[1], T.C. Zhang[1], *[1]Tongji University, China*
11:30-11:50	A4-3B4®	**Quantifying transport network reliability based on probabilistic link volumes** S.T. Islam[1]*, G. Rose[1], T. Liu[2], *[1]Monash University, Australia, [2]South East University, China*
11:50-12:10	A4-3B5	**Development of a hybrid method for mode-wise travel-time estimation** R.B. Sharmila[1]*, N.R. Velaga[1], *[1]Indian Institute of Technology (IIT) Bombay, India*

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A4 - 3D - Public Transport Room: ZHB504 Session Chair:		
15:30-15:50	A4-3D1	**Green bus fleet replacement strategy** L. Li[1], H.K. Lo[1]*, X.K. Cen[1], [1]*The Hong Kong University of Science and Technology, Hong Kong*
15:50-16:10	A4-3D2	**Hierarchical urban transit system design for optimizing greenhouse gas emissions and costs** H. Cheng[1]*, S. Madanat[1], A. Horvath[1], [1]*University of California, USA*
16:10-16:30	A4-3D3®	**Bus timetable optimization by considering reliability** J. Teng[1], X.F. Lai[1]*, X.L. Liu[2], X.Z. Yang[2], H. Liu[2], K. Bo[3], [1]*Tongji University, China, [2]China Academy of Transportation Sciences, China, [3]Shanghai Maritime University, China*
16:30-16:50	A4-3D4	**Substitute bus services initiation under metro system disruption** S.Y. Zhang[1], H.K. Lo[1]*, [1]*The Hong Kong University of Science and Technology, Hong Kong*
16:50-17:10	A4-3D5®	**Determinants of carrier selection: Updating the survey methodology into the 21st century** T. Solakivi[1]*, L. Ojala[1], [1]*University of Turku, Finland*
Wednesday, 13 July		
A4 - 4A - Urban Form Room: ZHB504 Session Chair:		
08:30-08:50	A4-4A1	**Parametric representation of an urban form to model transport systems** S. Jara-Diaz[1]*, A. Fielbaum[1], A. Gschwender[1], [1]*Universidad de Chile, Chile*
08:50-09:10	A4-4A2	**A comprehensive basis for determining the allocation of urban street space** P.M. Jones[1]*, [1]*UCL, UK*
09:10-09:30	A4-4A3®	**Functional structuring of road networks** M. Friedrich[1]*, [1]*Stuttgart University, Germany*
09:30-09:50	A4-4A4®	**Reclassification of urban road system: Integrating three dimensions of mobility, activity and mode priority** B. Liu[1]*, L.L. Yan[2], Z.W. Wang[2], [1]*Tongji University, China, [2]Shanghai Tongji Urban Planning and Design Institute, China*
A4 - 4B - Car Travel Room: ZHB504 Session Chair:		
10:30-10:50	A4-4B1	**Deployment of charging stations under a mixed-equilibrium model with electric vehicles** X.K. Cen[1], H.K. Lo[1]*, L. Li[1], [1]*The Hong Kong University of Science and Technology, Hong Kong*
10:50-11:10	A4-4B2®	**The difficult phases for automated driving; a societal focus on the implementation challenge** J.F. Jeekel[1]*, C.J.T. van de Weijer[1], [1]*Technical University Eindhoven, The Netherlands*

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11:10-11:30	A4-4B3®	**Peak car in Europe?** C. Focas[1], P. Christidis[1]*, *[1]University of Oxford, UK, [2]Joint Research Council, Belgium*
11:30-11:50	A4-4B4	**What if empty car seats were filled with passengers? A theoretical assessment using the Montreal case** C. Morency[1]*, H. Verreault[1], *[1]Polytechnique Montreal, Canada*
11:50-12:10	A4-4B5®	**A Car-following model from the viewpoint of dynamic hydraulic pressure** M.W. Liu[1]*, L. Chu[3], J.Y. Yan[3], S.M. Wang[1], Y. Oeda[2], T.N. Sumi[2], *[1]Shanghai Ocean University, China, [2]Kyushu University, Japan, [3]Singamas Container Holdings Limited (Shanghai), China*
A4 - 4C - Parking & Road Infrastructure Room: ZHB504 Session Chair:		
13:30-13:50	A4-4C1	**A joint bottom-up solution methodology for system-level pavement rehabilitation and reconstruction** J. Lee[1]*, S.M. Madanat[1], *[1]New York University Abu Dhabi, United Arab Emirates*
13:50-14:10	A4-4C2®	**Passing segment length determination on two-lane highways** C. Liu[1]*, Z. Wang[1], J. Wang[1], *[1]Caltrans, USA*
14:10-14:30	A4-4C3®	**Determination of the parking place availability using manual data collection enriched by crowdsourced in-vehicle data** M. Margreiter[1], F. Orfanou[1]*, P. Mayer[2], *[1]Technical University of Munich, Germany, [2]Robert Bosch GmbH, Germany*
14:30-14:50	A4-4C4®	**Methodology to measure the parking area performance of inter-city expressways** T. Muramatsu[1,3]*, T. Oguchi[2], *[1]Central Nippon Expressway Company Limited, Japan, [2]The University of Tokyo, Japan, [3]Express Highway Research Foundation of Japan, Japan*

TOPIC B: FREIGHT TRANSPORT AND LOGISTICS		
B1: Logistics and Supply Chain Management		
Monday, 11 July		
B1 - 2B - Modelling Approaches in Logistics and Supply Chain Management Room: NB105 Session Chair: Seraphim Kapros		
10:50-11:10	B1-2B1®	**Strategic mixed inventory location model: Formulation and application** M. Orozco[1,2]*, V. Cantillo[1], P. Miranda[3], *[1]Universidad de la Costa, Colombia, [2]Universidad del Norte, Colombia, [3]Universidad Católica del Valparaíso, Chile*
11:10-11:30	B1-2B2®	**Logistic travel distance and time optimization of raw rattan materials in Indonesia** N.K. Dewi[1]*, P. Pradono[1], M. Miharja[1], G. Yudoko[1], *[1]School Of Logistic Management, Indonesia, [2]Institut Teknologi Bandung, Indonesia*
11:30-11:50	B1-2B3	**Optimal returnable transport items management** S.L. Limbourg[1]*, A. Martin[1], C. Paquay[1], *[1]HEC-ULg, Belgium*

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Tuesday, 12 July		
B1 – 3B - Organizational Issues and Interrelationships in Supply Chains and Logistics Room: NB105 Session Chair: Gunnar Stefansson		
10:30-10:50	B1-3B1®	**Traceability in the Swedish air freight industry** A.H. Ringsberg[1]*, K. Lumsden[1], [1]*Technology Management and Economics, Sweden*
10:50-11:10	B1-3B2®	**Adoption of ERP in manufacturing firms of Australia: Challenges & benefits** S.A.R. Khan[1,2]*, [1]*Chang'an University, China,* [2]*APCIS Institute of Operation Management, USA*
11:10-11:30	B1-3B3	**The role of supply chain collaboration on collaborative advantage and performance in maritime logistics** Y.J. Seo[1], J. Dinwoodie[1]*, M. Roe[1], [1]*Plymouth University, UK*
11:30-11:50	B1-3B4®	**Transport as a loosely coupled system: Implications for research and practice** A. Dubois[1], K. Hulthen[1]*, [1]*Chalmers University of Technology, Sweden*
Wednesday, 13 July		
B1 – 4B - Decision Frameworks and Network Design in Logistics Room: NB105 Session Chair: Thierry Vanelslander		
10:30-10:50	B1-4B1®	**Pharmaceutical distribution in urban area: An integrated analysis and perspective of the case of Brussels-Capital Region** A. Nsamzinshuti[1]*, F. Cardoso[1], M. Janjevic[1], A.B. Ndiaye[1], [1]*Université Libre de Bruxelles, Belgium*
10:50-11:10	B1-4B2®	**Network system design of sea and land logistics - A case study of Shandong** J. Xie[1]*, H. Li[1], D. Yang[1], [1]*Shandong University, China*
11:10-11:30	B1-4B3®	**A holistic decision framework for 3D printing investments in global supply chains** C. Feldmann[1], A. Pumpe[1]*, [1]*University of Applied Sciences Muenster, Germany*
11:30-11:50	B1-4B4®	**Study of the hybrid logistics requirements of newspapers and e-commerce products in Brazil** F. Sousa[1]*, [1]*Universidade do Vale dos Sinos - Unisinos, Brazil*
11:50-12:10	B1-4B5®	**A new management model to support reverse logistics processes in the agri-food distribution sector** G. Fancello[1], F. Mola[1], L. Frigau[1], P. Serrra[1]*, S. Mancini[2], P. Fadda[1], [1]*University of Cagliari, Italy,* [2]*Polytechnic Institute of Turin, Italy*

B2: Freight Transport Operations, Sustainability and Performance		
Monday, 11 July		
B2 - 2B - Freight Transport Operations and Performance (1): Management Concepts for Freight Transport Room: NB107 Session Chair: Jacek Zak		
10:50-11:10	B2-2B1®	**Road freight transport outsourcing trend in Europe - what we really know about it?** D. Stojanovic[1]*, [1]*University of Novi Sad, Serbia*
11:10-11:30	B2-2B2®	**Variety in freight transport service procurement approaches** K. Hedvall[1,2]*, A. Dubois[1], F. Lind[1], [1]*Chalmers University of Technology, Sweden,* [2]*Volvo Group Trucks Technology, Sweden*

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11:30-11:50	B2-2B3®	**Evaluation of synergy potentials in transportation networks managed by a fourth party logistics provider** G. Magnin[1], M. Dircksen[1]*, *[1]4flow Management GmbH, Germany*
11:50-12:10	B2-2B4®	**Minimizing the global container inventory imbalance through collaboration among carriers** L. Edirisinghe[1,2]*, J. Zhihong[1], A.W. Wijeratne[3], *[1]Dalian Maritime University, China, [2]CINEC Maritime Campus, Sri Lanka, [3]Sabaragamuwa University, Sri Lanka*
B2 – 2C - Freight Transport Operations and Performance (2): Advanced Methodologies & Technologies for Data Analysis in Freight Transport Room: NB107 Session Chair: Edward McCormac		
13:30-13:50	B2-2C1®	**Bringing infrastructure into pricing in road freight transportation - A measuring concept based on navigation service data** F. Kellner[1]*, A. Otto[1], C. Brabänder[1], *[1]University of Regensburg, Germany*
13:50-14:10	B2-2C2®	**Development of continuous speed profile and its application to assess performance of freight traffic movement along a highway corridor in India** R. Jose[1]*, S. Mirta[1], *[1]Indian Institute of Technology, India*
14:10-14:30	B2-2C3	**Data mining approaches to extract information from secondary sources for modelling pallet road transport** H. Braun[1]*, D. Olaru[1], *[1]The University of Western Australia, Australia*
14:30-14:50	B2-2C4®	**A methodology for forecasting freeway travel time using reliability a methodology for forecasting freeway travel time reliability using GPS data** A.V. Goodchild[1], Z. Wang[1], E. McCormack[1]*, *[1]University of Washington, USA*
Tuesday, 12 July		
B2 - 3A - Freight Transport Operations and Performance (3): Macro & Micro Analysis for Freight Transport Room: NB107 Session Chair: Antonio Musso		
08:30-08:50	B2-3A1®	**Freight Management System for Bangalore** B.H. Sanjeev Kumar[1]*, B. Dayananda[1], *[1]SLS Transport Training Institute and Consultancy Pvt. Ltd., India, [2]Bangalore Traffic Police, India*
08:50-09:10	B2-3A2®	**Rail freight network in Europe: Opportunities provided by re-launching the single wagonload system** P. Guglielminetti[1], C. Piccioni[2], G. Fusco[2], R. Licciardello[2], A. Musso[2]* *[1]PricewaterhouseCoopers Advisory, Italy, [2]"Sapienza" University of Rome, School of Engineering, DICEA, Italy*
09:10-09:30	B2-3A3®	**The comprehensive urban development plan for greater Kumasi: Challenges of freight and logistic operations** S. Bawa[1]*, *[1]Ghana Institution of Engineers, Ghana, [2]Institution of Highways & Transportation Engineers, UK*
B2 - 3B - Freight Transport Operations and Performance (4): Fleet Routing & Trading Room: NB107 Session Chair: Britta Gammelgaard		
10:30-10:50	B2-3B1®	**Estimating the impact of flight delay on cargo carriers' ground distribution cost** M. Yin[1]*, M. Hansen[1], Z.J. Shen[1], *[1]University of California, USA*

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10:50-11:10	B2-3B2	**Using sparse GPS data to estimate vehicle traces and reliability statistics for major freight corridors** A.V. Goodchild[1], S. Sankarakumaraswamy[1], E. McCormac[1]*, *[1]University of Washington, USA*
11:10-11:30	B2-3B3®	**Disturbance management for vehicle routing with time window changes** D. Ye[1], J. Ma[2]*, H. Yang[1], Q. Liu[1], *[1]Dalian Maritime University, China, [2]Shanghai Maritime University, China*

B3: Intermodal Freight Transport		
Wednesday, 13 July		
B3 - 4B - ICT, Terminals and Operations Room: NB108 Session Chair: Per Olof Arnäs		
10:30-10:50	B3-4B1®	**Inbound logistics, the last mile and intermodal high capacity transport** R. Bergqvist[1], J. Monios[2]*, *[1]Gothenburg University, Sweden, [2]Edinburgh Napier University, UK*
10:50-11:10	B3-4B2®	**Transport-Suite: An ICT-based decision support system for combined transport** J. Hu[1]*, B. Noche[1], *[1]University Duisburg-Essen, Germany*
11:10-11:30	B3-4B3®	**Information exchange in differentiated access management for intermodal freight transportation** S. Jacobsson[1]*, P-O. Arnäs[1], G. Stefansson[1], *[1]Chalmers University of Technology, Sweden*
11:30-11:50	B3-4B4®	**Incorporating commodity flexibility in terminal design: A design strategy on dealing with uncertainties** B. Wiegmans[1]*, P. Leo[1], D. Schott[1], *[1]TU Delft, The Netherlands*
B3 - 4C - Regional Case Studies Room: NB108 Session Chair: Tom van Lier		
13:30-13:50	B3-4C1	**BRAIN-TRAINS: Scenario development to explore intermodal rail transport expansion in, from and towards Belgium** F. Troch[1]*, T. Vanelslander[1], C. Sys[1], V. Stevens[1], K. Verhoest[1], C. Tawfik[2], M. Mostert[2], S. Limbourg[2], A. Merchan[2], S. Belboom[2], *[1]University of Antwerp, Belgium, [2]University of Liege, Belgium*
13:50-14:10	B3-4C2	**Regional clustering and agglomeration externalities of inland ports: A statistical analysis of Dutch inland ports** P.W. Witte[2], B. Wiegmans[1]*, F. van Oort[2], T. Spit[2], *[1]TU Delft, The Netherlands, [2]Universiteit Utrecht, The Netherlands*
14:10-14:30	B3-4C3®	**Assessing intermodal freight transport scenarios bringing the perspective of key stakeholders** J. Prata[1], E. Arsenio[1]*, *[1]LNEC, Portugal*
14:30-14:50	B3-4C4	**Understanding multimodal freight transportation scenarios in Northern Canada under climate change impacts** Q. Du[1], A.M. Kim[1]*, Y. Zheng[1], *[1]University of Alberta, Canada*

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14:50-15:10	B3-4C5®	**Port and hinterland network: A case study of the Crescent Corridor intermodal freight program in the US** J. Sugawara[1]*, [1]*Tokyo Institute of Technology, Japan*
B3 - 4D - Costs, Competitiveness and Modal Choice Room: NB108 Session Chair: Ralf Elbert		
15:30-15:50	B3-4D1®	**Modal choice in short-distance hinterland container transport** D. Meers[1], C. Macharis[1], T. Vermeiren[1], T. van Lier[1]*, [1]*Vrije Universiteit Brussel, Belgium*
15:50-16:10	B3-4D2®	**A typology for selecting an appropriate Total Landed Cost method in international supplier selection decisions** A. Pumpe[1]*, F. Vallée[1], [1]*University of Applied Sciences Muenster, Germany*
16:10-16:30	B3-4D3®	**Intermodal freight transport and the mode choice decision: Perceptions of decision-makers to modal shift** R. Elbert[1], L. Seikowsky[1]*, [1]*Technische Universität Darmstadt, Germany*
16:30-16:50	B3-4D4®	Presentation withdrawn
16:50-17:10	B3-4D5	**Design of a cost calculation instrument for the inland navigation sector** O. Al Enezy[1]*, E. van Hassel[1], C. Sys[1], T. Vanelslander[1], [1]*University of Antwerp, Belgium*

B4: Urban Goods Movement		
Monday, 11 July		
B4 - 2B - Logistics Sprawl Case Studies and Indicators Room: NB101 Session Chair: Laetitia Dablanc		
10:50-11:10	B4-2B1	**Logistics sprawl in Chicago, Illinois** A.V. Goodchild[1]*, M. Dubie[1], [1]*University of Washington, USA*
11:10-11:30	B4-2B2	**Spatial patterns of logistics facilities in Gothenburg, Sweden** A. Heitz[1]*, L. Dablanc[1,2], J. Olsson[2], I. Sanchez[3], J. Woxenius[2], [1]*IFSTTAR University of Paris East, France,* [2]*University of Gothenburg, Sweden,* [3]*Chalmers University, UK*
11:30-11:50	B4-2B3	**The geography of warehousing in Belo Horizonte (Brazil)** L.K. Oliveira[1]*, O.R. Santos[1], R.A.A. Nóbrega[1], L. Dablanc[2], [1]*Universidade Federal de Minas Gerais - UFMG, Brazil,* [2]*IFSTTAR/Université Paris-Est, France*
11:50-12:10	B4-2B4®	**Logistics sprawl in the Brussels metropolitan area: Territorial, socioeconomic and political aspects** M. Strale[1]*, G. Te Boeveldt[2], C. Macharis[2], F. Dobruszkes[1], [1]*Universite Libre de Bruxelles, Belgium,* [2]*Vrije Universiteit Brussel, Belgium*

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B4 – 2C - Stakeholder Perceptions Room: NB101 Session Chair: Michael Browne		
13:30-13:50	B4-2C1®	**Improving urban freight governance and stakeholder management: A social systems approach combined with relationship platforms and value co-creation** C.B.G. Andersen[1], B. Gammelgaard[1]*, M. Figueroa[1], *[1]Copenhagen Business School, Denmark*
13:50-14:10	B4-2C2®	**Last mile freight distribution and transport operators' needs: Which targets and challenges?** C. Pronello[1]*, C. Camusso[1], *[1]Politecnico di Torino, Italy*
14:10-14:30	B4-2C3®	**Urban freight transport in city strategic planning. A comparative analysis of selected European capital cities** M. Kiba-Janiak[1]*, *[1]Wroclaw University of Economics, Poland*
14:30-14:50	B4-2C4®	**Stakeholder's perception about solutions to urban goods distribution: Exploratory study in Belo Horizonte (Brazil)** L.K. Oliveira[1]*, G.F. Oliveira[1], *[1]Universidade Federal de Minas Gerais - UFMG, Brazil*
14:50-15:10	B4-2C5®	**Constructs of mobility alternatives in commercial transport - Moving away from a self-fulfilling mobility** H. Flaemig[1]*, C. Matt[1], *[1]Hamburg University of Technology, Germany*
Tuesday, 12 July		
B4 - 3A - Logistics Sprawl: Analysis of Factors Room: NB101 Session Chair: Maria Boile		
08:30-08:50	B4-3A1	**Land-use regulations for logistics: Policy evaluation with location choice models for the Tokyo Metropolitan Area** T.S. Sakai[1]*, K.K. Kawamura[1], T.H. Hyodo[1,2], *[1]University of Illinois at Chicago, USA, [2]Tokyo University of Marine Science and Technology, Japan*
08:50-09:10	B4-3A2	**Location of warehouses and environmental justice** Q. Yuan[1]*, *[1]University of Southern California, USA*
09:10-09:30	B4-3A3®	**Logistics land use patterns in metropolitan Canada** C.G. Woudsma[1]*, P. Jakubicek[1], *[1]University of Waterloo, Canada, [2]Freight Transport Research Institute, Czech Republic*
09:30-09:50	B4-3A4®	**Dynamics in the spatial distribution of hubs in groupage networks - the case of Berlin** J. Klauenberg[1]*, L-A. Elsner[1], C. Knischewski[2], *[1]German Aerospace Center, Germany, [2]Technical University of Berlin, Germany*
09:50-10:10	B4-3A5®	**Logistics sprawl in monocentric and polycentric metropolitan areas: The cases of Paris, France, and the Randstad, The Netherlands** A. Heitz[1]*, L. Dablanc[1], L. Tavasszy[2], *[1]IFSTTAR University of Paris-Est, France, [2]Delft University, The Netherlands*
B4 - 3B - Sustainability Issues Room: NB101 Session Chair: Britta Gammelgaard		
10:30-10:50	B4-3B1	**Evaluating the impact of logistic concepts on urban sustainability: Assessment of external costs of transport** T. van Lier[1]*, H. Buldeo Rai[1], C. Macharis[1], *[1]Vrije Universiteit Brussel, Belgium*

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10:50-11:10	B4-3B2®	Presentation withdrawn
11:10-11:30	B4-3B3®	**A novel framework for assessing sustainable city logistics** E.G. Nathanail[1], M. Gogas[1]*, G. Adamos[1], *[1]University of Thessaly, Greece*
11:30-11:50	B4-3B4®	**Accidents between freight vehicles and bicycles, with a focus on urban areas** P. Pokorny[1]*, J. Drescher[2], K. Pitera[1], T. Jonsson[1], *[1]Norwegian University of Science and Technology – NTNU, Norway, [2]University of Washington, USA*
11:50-12:10	B4-3B5®	**Trends and challenges for urban freight transport in Asian megacities: what makes those cities unique?** B. Kin[1]*, S. Verlinde[1], C. Macharis[1], *[1]Vrij Universiteit Brussel, Belgium*
B4 - 3D – Consolidation and Sharing Space Room: NB101 Session Chair: Eleonora Morganti		
15:30-15:50	B4-3D1®	**Evaluation of the collaborative transit system to urban goods delivery: An exploratory study in Belo Horizonte (Brazil)** L.K. Oliveira[1]*, B.R.A. Abreu[1], D.A. Lessa[1], I.A. Barbosa[1], D.B.F. Carvalho[2], R.S. Oliveira[2], E.J.R. Cirilo[2], *[1]Universidade Federal de Minas Gerais - UFMG, Brazil, [2]Universidade Federal de São João del-Rei - UFSJ, Brazil*
15:50-16:10	B4-3D2®	**Potential and limitations of collective parcel delivery systems in Paris** P. Launay[1]*, *[1]IFSTTAR, France*
16:10-16:30	B4-3D3®	**Investigation of the financial viability of urban consolidation centre projects and application to Brussels-capital region** M. Janjevic[1]*, A.B. Ndiaye[1], *[1]Université libre de Bruxelles, Belgium*
16:30-16:50	B4-3D4®	**Urban freight parking practices: The cases of Gothenburg (Sweden) and Delhi (India)** L. Malik[1]*, I. Sánchez-Díaz[2], G. Tiwari[1], J. Woxenius[3], *[1]Indian Institute of Technology Delhi, India, [2]Chalmers University of Technology, Sweden, [3]University of Gothenburg, Sweden*
16:50-17:10	B4-3D5®	**A paradox of sustainable development and urban freight transport - Public space renewal vs. deliveries and pick-ups: The case of Cali - Colombia** J.P.B. Suescún[1], P.A.C. Daraviña[1]*, *[1]Universidad de los Andes, Colombia*
Wednesday, 13 July		
B4 - 4A - Case Studies and Non-Road (1) Room: NB101 Session Chair: Tom van Lier		
08:30-08:50	B4-4A1	**Logistics strategies and supply chains at the traditional markets complex of "La Merced" in the historical center of Mexico City** J.P. Antun[1]*, R. Alarcon[1], A. Lozano[1], *[1]Instituto de Ingeniería, Universidad Nacional Autónoma de México, Mexico*
08:50-09:10	B4-4A2®	**Logistics sprawl in timber markets and its impact on freight distribution patterns in metropolitan city of Delhi, India** S. Gupta[1]*, G. Garima[1], *[1]School of Planning and Architecture, India*

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09:10-09:30	B4-4A3®	**Understanding the spatial diversity of final distribution solutions: A case of Shenzhen, China** Z. Xiao[1]*, J. Wang[1], J. Lenzer[1], Y. Sun[2], *[1]The University of Hong Kong, Hong Kong, [2]Shenzhen Urban Planning and Land Resource Research Center, China*
09:30-09:50	B4-4A4®	**Mapping out goods flow to Addis Ababa City, Ethiopia, and its impact on environment** A. Reda[2]*, G. Gebresenbet[1], *[1]Dept of Energy and Technology, SLU, Sweden, [2]Addis Ababa University, Ethiopia*
09:50-10:10	B4-4A5	**Using urban form to characterize logistics profiles - A case study of Paris** A. Beziat[1,2]*, *[1]IFSTTAR, France, [2]University of Paris East, France*
B4 - 4B - Case Studies and Non-Road (2) Room: NB101 Session Chair: Toshinori Nemoto		
10:30-10:50	B4-4B1	**Freight trams for urban freight distribution – a social cost-benefit framework** K. De Langhe[1]*, *[1]University of Antwerp, Belgium*
10:50-11:10	B4-4B2®	**Non-motorised freight distribution patterns of wholesale markets in a mega city; Case city – Delhi, India** S. Gupta[1]*, *[1]School of Planning and Architecture, India*
B4 - 4C - Surveys and Tools Room: NB101 Session Chair: Eiichi Taniguchi		
13:30-13:50	B4-4C1	**Gamification design, stakeholder engagement and behavior change in urban freight transport** E. Marcucci[1]*, V. Gatta[1], M. Le Pira[1], *[1]University of Roma Tre, Italy*
13:50-14:10	B4-4C2®	**A cost simulation instrument of urban policies on retail logistics** Y. Borbon-Galvez[1,2]*, K. Papoutsis[1], W. Dewulf[1], T. Vanelslander[1], *[1]University of Antwerp, Belgium, [2]CRISTI-Inclusive Science, Technology and Innovation Centre, Mexico*
14:10-14:30	B4-4C3®	**Utilization of cellular automata for analysis of the efficiency of urban freight transport measures based on unloading bays example** S. Iwan[1]*, K. Malecki[2], *[1]Maritime University of Szczecin, Poland, [2]West Pomeranian University of Technology, Poland*
14:30-14:50	B4-4C4®	**GPS truck data for in-depth characterization of urban logistics in the megacity of São Paulo, Brazil** C.B. Cunha[1]*, F.G.V. Almeida[1], H.T.Y. Yoshizaki[1], R.O. Arbex[1], I.S. Kako[1], P. Larangeiro[1], A.L.A. Bernardo[1], C.M. Hino[1], *[1]University of Sao Paulo, Brazil*
14:50-15:10	B4-4C5	**Evaluating urban logistics trends: The case of Hotel-Restaurant-Café (Ho.Re.Ca.) and Health Care logistics** T. Verlinden[1]*, E. Van de Voorde[1], W. Dewulf[1], *[1]University of Antwerp, Belgium*
B4 - 4D - Logistics Sprawl: Global Questions Room: NB101 Session Chair: Clarence Woudsma		
15:30-15:50	B4-4D1	**Impacts of logistics sprawl on urban goods movements – lessons from the Bordeaux surveys (1995-2013)** M. Gardrat[1]*, F. Toilier[1], M. Serouge[2], *[1]Transport, Urban Planning, Economics Laboratory, France, [2]Marc Serouge Consultant, France*

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15:50-16:10	B4-4D2	**Impact of the location of large-scale physical distribution facilities along the orbital expressway on the regional economy in the Tokyo metropolitan area** T. Sato[1]*, M. Fujiwara[1], *[1]Chiba Institute of Technology, Japan*
16:10-16:30	B4-4D3®	**The location of logistic activities in metropolitan areas: An issue of urban planning? The case of Paris** A. Heitz[1]*, J. Debrie[1,2], *[1]IFSTTAR/SPLOTT, France, [2]University of Pantheon-Sorbonne, France*
16:30-16:50	B4-4D4®	**The paradox of land use and logistic settlements: Logistic sprawl and polarization in Colombian urban areas** J.P.B. Suescún[1], P.A.C. Daraviña[1]*, *[1]Universidad de los Andes, Colombia*
16:50-17:10	B4-4D5®	**Large-scale freight facility development to support logistics activity in urban areas** M. Boile[1,2]*, S. Theofanis[2], *[1]Center for Research and Technology Hellas, Greece, [2]Rutgers University-CAIT, USA*
Thursday, 14 July		
B4 - 5A - Electric Vehicles, Alternative Fuels and Cargo Bikes Room: NB101 Session Chair: Edoardo Marcucci		
08:30-08:50	B4-5A1®	**New business strategies in urban logistics and use of alternative fuel technologies** A. Karamigkou[1], S. Kapros[1]*, *[1]University of the Aegean, Greece*
08:50-09:10	B4-5A2®	**Innovative business models for exploiting green vehicle potential in urban logistics** E. Sxoinaraki[1], K. Panou[1]*, *[1]University of the Aegean, Greece*
09:10-09:30	B4-5A3	**Technical obstacles to the adoption of electric vans by French and British transport operators** E. Morganti[1]*, M. Browne[2], *[1]Ecole des Ponts ParisTech, France, [2]University of Gothenburg, Sweden*
09:30-09:50	B4-5A4®	**Cargo cycles in commercial transport: Potentials, constraints, and recommendations** C. Rudolph[1]*, J. Gruber[1], *[1]Deutsches Zentrum für Luft-und Raumfahrt (DLR), German Aerospace Center, Germany*
09:50-10:10	B4-5A5®	**Cargo cycles for local delivery in New York City: Performance and impacts** A. Conway[1]*, J. Cheng[1], C. Kamga[1], D. Wan[1], *[1]City College of New York, USA*

B5: Freight Transport Modelling		
Monday, 11 July		
B5 - 2B - Freight Generation and Supply Chains Room: NB109 Session Chair: Lori Tavasszy		
10:50-11:10	B5-2B1®	**Supply-chain-structure-effects – drivers of freight transport demand** O. Ottemöller[1], H. Friedrich[2]*, *[1]Technische Universität Darmstadt, Germany, [2]Kühne Logistics University, Germany*

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11:10-11:30	B5-2B2	**Network analysis of the buyer-supplier linkages in the logistics sector in Belgium.** J. Beckers[1]*, M. Vanhoof[2], A. Verhetsel[1], *[1]University of Antwerp, Belgium, [2]Newcastle University, UK*
11:30-11:50	B5-2B3®	**Approaches for modelling of distribution centers in freight transport models** I.Y. Davydenko[1]*, H. Friedrich[3], M. Thissen[4], A. Koike[5], L.A. Tavasszy[1,2], *[1]TNO, The Netherlands, [2]TU Delft, The Netherlands, [3]TU Darmstadt, Germany, [4]PBL, The Netherlands, [5]Kobe University, Japan*
11:50-12:10	B5-2B4®	**Locations of Logistics Service Providers in Germany - the basis for a new freight transport generation model** K. Rolko[1], H. Friedrich[1]*, *[1]Technische Universität Darmstadt, Germany, [2]The Kühne Logistics University, Germany*
B5 – 2C - Dynamic Freight Models Room: NB109 Session Chair: Hanno Friedrich		
13:30-13:50	B5-2C1®	**Describing and explaining urban freight transport by System Dynamics** C. Thaller[1]*, F. Niemann[1], B. Dahmen[2], U. Clausen[1], B. Leerkamp[2], *[1]TU Dortmund University, Germany, [2]University of Wuppertal, Germany*
13:50-14:10	B5-2C2®	**Dynamic freight flow modelling for risk evaluation in food supply** A. Balster[1]*, H. Friedrich[2], *[1]Technische Universität Darmstadt, Germany, [2]Kühne Logistics University, Germany*
14:10-14:30	B5-2C3®	**Multi-agent modelling approach for evaluating the city logistics dynamic in a vulnerability situation: An exploratory study in Belo Horizonte (Brazil)** D.A. Lessa[1], L.K. Oliveira[1]*, B.F.G. Calazans[1], E. Oliveira[1], *[1]Universidade Federal de Minas Gerais - UFMG, Brazil*
14:30-14:50	B5-2C4	**Agent-based freight transport model for Belgium** K. Mommens[1], T. van Lier[1]*, C. Macharis[1], *[1]Vrije Universiteit Brussel, Belgium*
Tuesday, 12 July		
B5 - 3A - Mode Choice Room: NB109 Session Chair: Igor Davydenko		
08:30-08:50	B5-3A1®	**Analysing freight shippers' mode choice preference heterogeneity using latent class modelling** H-C. Kim[1]*, A. Nicholson[2], D. Kusumastuti[2], *[1]Waikato Institute of Technology, New Zealand, [2]University of Canterbury, New Zealand*
08:50-09:10	B5-3A2®	**Joint mode and port choice for grain consolidators in the south of Buenos Aires province, Argentina** R.J. Tapia[1], L.A. Dos Santos Senna[1], A.M. Larrañaga[1], *[1]Universidade Federal do Rio Grande do Sul, Brazil*
09:10-09:30	B5-3A3®	**A discrete shipment size choice model with latent classes of shipments' attributes** R. Piendl[1], G. Liedtke[1]*, T. Matteis[2], *[1]German Aerospace Center (DLR), Germany, [2]Karlsruhe Institute of Technology, Germany*

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B5 - 3B - Port and Hinterland Freight Models Room: NB109 Session Chair: Lori Tavasszy		
10:30-10:50	B5-3B1®	**Modelling international maritime container cargo flow and policy simulation in South Asia: An application of network equilibrium assignment model on a global scale** R. Shibasaki[1]*, T. Kawasaki[2], *[1]National Institute for Land and Infrastructure Management (NILIM), Japan, [2]Nihon University, Japan*
10:50-11:10	B5-3B2	**Effect of privatization and inland infrastructural development on India's container port selection dynamics** K. Venkitasubramanian[1], J-C. Thill[1]*, *[1]University of North Carolina at Charlotte, USA*
11:10-11:30	B5-3B3®	**Behaviors of containerized freight shipments** S. Ko[1], R. Shabanpour Anbarani[1]*, A. Mohammadian[1], *[1]University of Illinois at Chicago, USA*
11:30-11:50	B5-3B4®	**Study on the optimization of collection and distribution system of freight hub ports: Illustrated by the case of Shanghai International Shipping Center, China** X. Zhou[1,2]*, X.H. Chen[1], L.N. Shao[1], *[1]Tongji University, China, [2]Shanghai Urban Planning and Design Research Institute, China*
Wednesday, 13 July		
B5 - 4B - Urban Freight Collect/Delivery Models Room: NB109 Session Chair: Gernot Liedtke		
10:30-10:50	B5-4B1	**The e-commerce parcel delivery market: Developing a model for comparing home B2C deliveries vs pick-up points** T. Vanelslander[1], I.D. Cardenas[1]*, W. Dewulf[1], *[1]University of Antwerp, Belgium*
10:50-11:10	B5-4B2®	**Assessing the impacts of collect-delivery points to individual's activity-travel patterns: A greener last mile alternative?** C. Liu[2]*, Q. Wang[1], Y.O. Susilo[2], *[1]WSP Analys & Strategi, Sweden, [2]KTH Royal Institute of Technology, Sweden*
11:10-11:30	B5-4B3®	**Research on joint optimization for green vehicle schedule and route problem with time-varying speeds** D.Z. Zhang[1], H.Y. Gong[1]*, S.Y. Li[2], R.Z. He[1], *[1]Central South University, China, [2]Central South University of Forestry and Technology, China*
B5 - 4C - Freight Network Analysis and Design Room: NB109 Session Chair: Hanno Friedrich		
13:30-13:50	B5-4C1®	**Freight network design with heterogeneous values of time** L.D. Duan[1]*, L.T. Tavasszy[2,3], Q.P. Peng[1], *[1]Southwest Jiaotong University, China, [2]Delft University of Technology, The Netherlands, [3]TNO, The Netherlands*
13:50-14:10	B5-4C2	**Operational costs and externalities in optimal intermodal network design** M. Mostert[1]*, A. Caris[2], S. Limbourg[1], *[1]University of Liege, Belgium, [2]University of Hasselt, Belgium*
14:10-14:30	B5-4C3®	**Implications of the assumptions on which the p-median problem are based when distribution network design** E. Segura[1]*, R.B.C. Benítez[2], A. Lozano[1], *[1]Universidad Nacional Autónoma de México, Mexico, [2]Universidad Anáhuac Norte, Mexico*

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14:30-14:50	B5-4C4®	**Reliability analysis on railway transport chain** R. Zhang[1], L. Li[1]*, W. Jian[1], *[1]Tongji University, China*

B6: Humanitarian Logistics in Disasters		
Monday, 11 July		
B6 - 2B - Humanitarian Logistics in Disasters (1) Room: NB110 Session Chair: Russell G. Thompson		
10:50-11:10	B6-2B1®	**A new tabu search algorithm for collection and transport of the debris after disasters** A.G. Qureshi[1], M. Yamamoto[1], E. Taniguchi[1]*, *[1]Kyoto University, Japan*
11:10-11:30	B6-2B2®	Presentation moved to G2-PO4®
11:30-11:50	B6-2B3®	**Warehouse location determination for humanitarian relief distribution in Nepal** R. Maharjan[1]*, S. Hanaoka[1], *[1]Tokyo Institute of Technology, Japan*
11:50-12:10	B6-2B4®	**A facility location model for humanitarian relief logistics involving deprivation costs** V. Cantillo[1]*, N. Cotes[1], *[1]Universidad del Norte, Colombia*
B6 - 2C - Humanitarian Logistics in Disasters (2) Room: NB110 Session Chair: Eiichi Taniguchi		
13:30-13:50	B6-2C1®	**Possible mass and long distance ferry transportation for health and humanitarian logistics at a disaster scene** K. Ono[1]*, J. Tatsumi[2], T. Nakao[3], *[1]Kyoto University, Japan, [2]Ocean Trans Corporation Ltd, Japan, [3]Mitsubishi UFJ Research and Consulting Corporation Ltd, Japan*
13:50-14:10	B6-2C2®	**Rapid deployment of connected communication infrastructure on sudden-onset disasters** E. Berliner[1,2], Y. Hadas[1]*, B. Benmoshe[2], *[1]Bar-Ilan University, Israel, [2]Ariel University, Israel*
14:10-14:30	B6-2C3®	**Examination of tsunami related reduced mobility people and its countermeasures - Case study in tsunami-inundated areas of Kyushu region of Japan** N. Kachi[1]*, T. Arakawa[1], K. Tsukahara[1], Y. Akiyama[2], *[1]Kyushu University, Japan, [2]The University of Tokyo, Japan*
14:30-14:50	B6-2C4®	**Matching system of disaster relief supplies integrating vehicle routing planning** H. Hashimoto[1], J. Fukumoto[1]*, *[1] Tohoku University, Japan*

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TOPIC C: TRAFFIC MANAGEMENT, OPERATIONS AND CONTROL		
C1: Traffic Theory and Modelling		
Monday, 11 July		
C1 - 2B - Traffic Flow Theory I Room: ZHB505 Session Chair: Milan Krb'alek		
10:50-11:10	C1-2B1®	**A stochastic approach to the flow-concentration curve in traffic flow theory** W.L. Qian[1,2]*, R.F. Machado[3], K. Lin[4], A.F. Siqueira[1], *[1]University of Sao Paulo, Brazil, [2]State University of Sao Paulo, Brazil, [3]Federal University of Ouro Preto, Brazil, [4]Federal University of Itajuba, Brazil*
11:10-11:30	C1-2B2®	**Quantitative analysis of interaction range in vehicular flows** M. Krbalek[1]*, *[1]Czech Technical University, Czech Republic*
11:30-11:50	C1-2B3	**A moments-based characterization of travel time variability and its application in travel time reliability estimation** X. Xu[1], W. Gu[1]*, C. Yang[1], A. Chen[1,2], *[1]Tongji University, China, [2]Utah State University, USA*
11:50-12:10	C1-2B4®	**Impact of variable lateral gap maintaining behavior of vehicles on macroscopic traffic relations** D. Pal[1]*, C. Mallikarjuna[2], *[1]NERIST Nirjuli, India, [2]IIT Guwahati, India*
C1 – 2C - Traffic flow theory II Room: ZHB505 Session Chair: Wen-Long Jin		
13:30-13:50	C1-2C1®	**Mathematical and statistical properties of the microstructure in vehicular streams and their impact to the traffic management methods** J. Apeltauer[1]*, T. Apeltauer[1], M. Vsetecka[1], J. Macur[1], P. Holcner[1], *[1]Brno University of Technology, Czech Republic*
13:50-14:10	C1-2C2®	**Analyzing Braess's paradox in simple road networks with the kinematic wave theory** W.L. Jin[1]*, *[1]UC Irvine, USA*
14:10-14:30	C1-2C3®	**Using automatic vehicle location data to model and identify determinants of bus bunching** S. Rashidi[1]*, P. Ranjitkar[2], O. Csaba[1], A. Hooper[1], *[1]Opus International Consultants Ltd, New Zealand, [2]Budapest University of Technology and Economics, Hungary*
14:30-14:50	C1-2C4	**Empirical evidence on the existence of macroscopic fundamental diagram in multimodal urban networks** N. Zheng[1], N. Geroliminis[1]*, *[1]Ecole Polytechnique Federal de Lausanne, Switzerland*
C1 – 2D - Traffic Simulations Room: ZHB505 Session Chair: Johan Barthélemy		
15:30-15:50	C1-2D1®	**An adaptive agent-based approach to traffic simulation** J. Barthélemy[1,2]*, T. Carletti[1], *[1]University of Wollongong - SMART Infrastructure Facility, Australia, [2]University of Namur - NAXYS, Belgium*
15:50-16:10	C1-2D2®	**Trends in real-time traffic simulation** A. Pell[1]*, A. Meingast[1], O. Schauer[1], *[1]University of Applied Sciences Upper Austria, Austria*

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16:10-16:30	C1-2D3®	**A multi-layer social force approach to model interactions in shared spaces using collision prediction** N.R. Rinke[1], C.S. Schiermeyer[1]*, F.P. Pascucci[2], V.B. Berkhahn[1], B.F. Friedrich[2], *[1]Leibniz Universität Hannover, Germany, [2]Technische Universität Braunschweig, Germany*
16:30-16:50	C1-2D4®	**Methodology for the numerical calculation of racing lines and the virtual assessment of driving behavior for training circuits for the automobile industry** W. Kuhn[1]*, M. Muller[1], *[1]University of Applied Sciences Zwickau, Germany*
Tuesday, 12 July		
C1 - 3B - Transport Network Design Room: ZHB505 Session Chair: Satish Ukkusuri		
10:30-10:50	C1-3B1®	**Optimal lane reallocation for the reversible lane system** X. Qian[1], S. Ukkusuri[1]*, *[1]Purdue University, USA*
10:50-11:10	C1-3B2	**An optimisation model for smart urban transit network design** S. Papagianni[1,2]*, C. Papagianni[1], *[1]National Technical University of Athens, Greece, [2]Athens Urban Transport Organisation (OASA), Greece*
11:10-11:30	C1-3B3®	**Planning the departure of vacant fleet to the median stops in a single transit line** E. Seyedabrishami[1]*, A. Rahimi[1], A.A. Zarrinmehr[1], *[1]Tarbiat Modares University, Iran*
11:30-11:50	C1-3B4	**A credit-based congestion pricing scheme in general two-mode networks with multi-class travellers** Y. Liu[1]*, Y. Nie[2], *[1]National University of Singapore, Singapore, [2]Northwestern University, USA*
C1 – 3D - Urban Transport Planning Room: ZHB505 Session Chair: Manuel Jakob		
15:30-15:50	C1-3D1®	**Roadside infrastructure planning scheme for the urban vehicular networks** L.X. Xue[2], Y.C. Yang[1,3]*, D.C. Dong[1,3], *[1]Tongji University, China, [2]Tongji Architectural Design(Group) Co. Ltd, China, [3]The Cooperative Centre for Maglev and Rail Transit Operation Control System, China*
15:50-16:10	C1-3D2®	**Lane-based short-term urban traffic flow forecasting with GA designed ANN and LWR models** A. Raza[1]*, M. Zhong[1], *[1]Wuhan University of Technology, China*
16:10-16:30	C1-3D3®	**Finding the optimal level of spatial resolution for handling non-motorized travel in macroscopic travel demand models** M.B. Okrah[1]*, R. Moeckel[1], *[1]Technische Universität München, Germany*
16:30-16:50	C1-3D4	**Active relocation and dispatching of heterogeneous emergency vehicles** A. Haghani[1], E. Sharifi[1], R. Olarte[1], *[1]University of Maryland, USA*
16:50-17:10	C1-3D5®	**A dynamic macroscopic parking pricing model** M. Jakob[1]*, M. Menendez[1], J. Cao[1], *[1]ETH Zürich Institute for Transport Planning and Systems, Switzerland*

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C2: Highway Design and Capacity / Traffic Control and Management		
Monday, 11 July		
C2 - 2B - Impact of Transit and Emergency Vehicles on Signal Control Room: ZHB506 Session Chair: Zong Tian		
10:50-11:10	C2-2B1®	**Emergency vehicle priority system for Bangalore** B.H. Sanjeev Kumar[1]*, B. Dayananda[1], *[1]SLS Transport Training Institute and Consultancy Pvt. Ltd., India, [2]Bangalore Traffic Police, India*
11:10-11:30	C2-2B2®	**Analytical and simulation approaches to understand combined effects of transit signal priority and road-space priority measures** L.T. Truong[1]*, G. Currie[1], M. Sarvi[2], *[1]Monash University, Australia, [2]University of Melbourne, Australia*
11:30-11:50	C2-2B3®	**Improving the performance of transit signal priority treatments through Vehicle-to-Infrastructure (V2I) communication** M. Bagherian[1]*, M. Mesbah[1], L. Ferreira[1], *[1]The University of Queensland, Australia*
11:50-12:10	C2-2B4	**Passive tram priority strategy using signal progression model** Y.J. Jeong[1]*, G.H. Ahn[1], J.H. Jeong[1], D.W. Joo[1], S.Y. Park[1], H.R. Cho[2], *[1]Korea Road Traffic Authority, Republic of Korea, [2]Seoul Metropolitan Government, Republic of Korea*
C2 - 2C - Highway Capacity and Traffic Flow Analysis Room: ZHB506 Session Chair: Hideki Nakamura		
13:30-13:50	C2-2C1®	**Road diet conversions: Considerations and guidance** N. Stamatiadis[1]*, A. Kirk[1], *[1]University of Kentucky, USA*
13:50-14:10	C2-2C2®	**Mixed traffic characteristic study for capacity assessment on urban arterial midblock** C.R. Patel[1], G.J. Joshi[1]*, *[1]S V National Institute of Technology, India*
14:10-14:30	C2-2C3®	**Study on effects of "2 + 1" lane highway in cold, snowy regions** K. Munehiro[1]*, T. Takada[1], T. Ishida[1], *[1]CERI, PWRI, Japan*
14:30-14:50	C2-2C4®	**Traffic characteristics according to snowy weather conditions on expressway by vehicle type** Y.H. Choi[1]*, *[1]Korea Expressway Corporation Research Institute, Republic of Korea*
14:50-15:10	C2-2C5®	**Determining the width of bicycle facility under multi-level heterogeneous traffic flow environment** Y. Li[1], F. Wang[1]*, S.R. Tao[2], H.H. Wu[1], K.M. Chen[1], *[1]Chang'an University, China, [2]Tongji University, China*
C2 – 2D - Multimodal-based Traffic Control and Performance Measures Room: ZHB506 Session Chair: Keshuang Tang		
15:30-15:50	C2-2D1®	**Efficient signal phasing for serving bicycle movements** D. Lin[1], A. Jayankura[1], Z. Tian[1]*, D. Mao[1], Y. Ma[1], *[1]University of Nevada, USA*
15:50-16:10	C2-2D2	**Flexible sharing of arterial capacity between modes** H. He[1]*, M. Menendez[2], S.I. Guler[1], *[1]Institute for Transport Planning and Systems (IVT) ETH Zürich, Switzerland, [2]The Pennsylvania State University, USA*

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16:10-16:30	C2-2D3®	**Evaluating conditions and impact of intermodal traffic management involving airports and railways** O. Milbredt[1], F. Rudolph[1], E. Grunewald[1], T. Christ[1], M.Jung[1]* *[1]German Aerospace Center (DLR), Germany*
16:30-16:50	C2-2D4	**The optimization of traffic flow management alternatives to improve road performance in Bali airport corridor** A. Putu Hermawati[1]*, B. Isran Ramli[1], *[1]Hasanuddin University, Indonesia*
16:50-17:10	C2-2D5®	**Analysis of travel time reliability using probe car data on the Tokyo metropolitan area** H. Yoshizawa[2], T. Ishida[1]*, Y. Nonaka[1], Y. Mohri[3], *[1]Highway Planning, Inc., Japan, [2]Ministry of Land, Infrastructure, Transport and Tourism, Japan, [3]The Institute of Behavioral Sciences, Japan*
Tuesday, 12 July		
C2 - 3B - Advanced Technologies for Signal Control Room: ZHB506 Session Chair: Martin Fellendorf		
10:30-10:50	C2-3B1®	**Real-time traffic signal control for isolated intersections, using a car-following logic under connected vehicle environment** K. Chandan[1], A. Seco[1], A.M.C. Bastos Silva[1]*, *[1]University of Coimbra, Portugal*
10:50-11:10	C2-3B2®	**A novel control strategy for roundabout system with origin-destination flow pattern** H.L. Khoo[1], C.Y. Tang[1], Q. Meng[2]*, *[1]Universiti Tunku Abdul Rahman, Malaysia, [2]National University of Singapore, Singapore*
11:10-11:30	C2-3B3®	**Analysis techniques for evaluating the implementation of adaptive traffic signal control systems** A.D. Lidbe[1], E.G. Tedla[1], A.M. Hainen[1], S.L. Jones[1]*, *[1]University of Alabama, USA*
11:30-11:50	C2-3B4®	**Optimum traffic signal control strategy at isolated signalized intersections based on dynamic phase schemes and lane use allocations** W. Liu[1], A.B. Wang[1]*, *[1]Chongqing Jiaotong University, College of Traffic and Transportation, China*
11:50-12:10	C2-3B5®	**Active control for traffic lights in regions and corridors: an approach based on evolutionary computation** S.S. Leal[1], P.E.M. Almeida[1]*, E. Chung[2], *[1]CEFET-MG, Brazil, [2]QUT, Australia*
C2 – 3D - Signal Control Modelling and Performance Room: ZHB506 Session Chair: Bernhard Friedrich		
15:30-15:50	C2-3D1®	**Signal setting rules under the tandem sorting strategy considering storage and green split constraints** S.M. Gaspay[1]*, T. Oguchi[1], K. Wada[1], M. Asano-Iryo[1], *[1]The University of Tokyo, Japan*
15:50-16:10	C2-3D2®	**A mathematical model for transition between signal timing plans based on social cost** R.P. Peña-Baena Niebles[1,2]*, V. Cantillo[1], J.L. Moura[2], *[1]Universidad del Norte, Colombia, [2]Universidad de Cantabria, Spain*
16:10-16:30	C2-3D3®	**Signal timing estimation based on low frequency floating car data** S. Axer[1]*, B. Friedrich[1], *[1]Technische Universität Braunschweig, Germany*

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16:30-16:50	C2-3D4®	**Investigating drivers' decision zones at high-speed intersections in China based on the acceleration-deceleration diagram** F. Wang[1]*, K. Tang[1], Y. Xu[1], K. Li[1], *[1]Tongji University, China*
16:50-17:10	C2-3D5®	**Traffic state estimation using data fusion with fixed loop detector and connected vehicle data** J.C. Li[1]*, Y.W. Bie[1], J. Gao[1], Z. Qiu[1], *[1]University of Alberta, Canada*
Wednesday, 13 July		
C2 – 4A - Signalized Intersection Control and Capacity Analysis Room: ZHB506 Session Chair: Takashi Oguchi		
08:30-08:50	C2-4A1®	**Queue length estimation at signalized intersection based on magnetic sensors by different layout strategies** H.J. Li[1,2]*, N. Chen[3], L.Q. Qin[2], L.M. Jia[3], J. Rong[1], *[1]Beijing University of Technology, China, [2]University of Wisconsin-Madison, USA, [3]Beijing Jiaotong University, China*
08:50-09:10	C2-4A2	**Estimation of average degree of saturation parameters of real-time traffic signal control systems based on the traffic volume observed in field for LOS evaluation** J.Y. Kim[1]*, J.T. Kim[1], *[1]Korea National University of Transportation, Republic of Korea*
09:10-09:30	C2-4A3®	**Development of saturation flow model at signalized intersection for heterogeneous traffic** S. Chand[1], N.J. Gupta[1]*, S. Velmurugan[1], *[1]CSIR CRRI, India*
09:30-09:50	C2-4A4®	**Idling delay estimation at signalised intersections using input output flow** C. Ravi Sekhar[1]*, K. Ravinder[1], P. Parida[1], *[1]Central Road Research Institute, India*
09:50-10:10	C2-4A5®	**An examination of traffic patterns at signalized intersections via use of a network of discrete sensors** P. Wang[1]*, C. Chan[2], J. Wang[1], S. Fang[1], *[1]Tongji University, China, [2]University of California, USA*
C2 - 4B - Traffic Management Considering Driver Behavior and Information Room: ZHB506 Session Chair: Hao Xu		
10:30-10:50	C2-4B1®	**Systematization of information related to events on expressway** M.T. Takizawa[1], H.T. Takahashi[2]*, K.Y. Yamamoto[3], K.T. Tago[4], H.O. Oshima[4], *[1]Takushoku University, Japan, [2]Central Nippon Highway Engineering Nagoya Co., Ltd., Japan, [3]Central Nippon Expressway Co. Ltd., Japan, [4]Nagoya Electric Works Co. Ltd., Japan*
10:50-11:10	C2-4B2	**MobiLabo project: A railway station living laboratory for design and evaluation of people flow and behavior assessment tools using fusion of Wi-Fi, laser and video technologies** F. Ganansia[1]*, *[1]SNCF, France*
11:10-11:30	C2-4B3	**Impact of narrowed widths of lanes and hard shoulder on motorway drivers' physiological functions** J. Xing[1]*, S. Hirai[1], M. Tsuji[2], H. Goto[2], *[1]Nippon Expressway Research Institute Co., Ltd., Japan, [2]Oriental Consultants Co., Ltd., Japan*
11:30-11:50	C2-4B4	**Planning for pilgrim crowd management in mega religious events – case study Ratha Yatra 2015, India** B. Basak[1], S. Gupta[1]*, *[1]IIT Kharagpur, India*

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11:50-12:10	C2-4B5®	**Variable message sign location selection based on drivers' perception** Y.Y. Liang[1]*, Z.Z. Wu[1], *[1]Tongji University, China*
Thursday, 14 July		
C2 – 5A - Traffic Control Involving Pedestrians and Bicycles Room: ZHB506 Session Chair: Wael Alhajyaseen		
08:30-08:50	C2-5A1®	**Control strategy for vehicular and pedestrian midblock crossing movements** T. Hunsanon[1]*, N. Kronprasert[1], A. Upayokin[1], P. Songchitruksa[2], *[1]Chiang Mai University, Thailand, [2]The Texas A&M University System, USA*
08:50-09:10	C2-5A2®	**Re-examination of PV² criteria for developing pedestrian crossing warrants** U. Jain[1]*, R. Rastogi[1], *[1]Indian Institute of Technology Roorkee, India*
09:10-09:30	C2-5A3®	**Application of unmanned aerial vehicles to pedestrian traffic monitoring and management** C. Suteerakul[1]*, M. Kaewmorachareon[1], P. Pichayapan[1], N. Kronprasert[1], *[1]Chiang Mai University, Thailand*
09:30-09:50	C2-5A4®	**Pedestrian level of service model at signalized intersections using fuzzy approach** S. Marisamynathan[1], P. Vedagiri[1]*, *[1]Indian Institute of Technology Bombay, India*

C3: Intelligent Transport Systems		
Monday, 11 July		
C3 - 2B - Traffic Time and Use of Bluetooth Data Room: ZHB508 Session Chair: Edward Chung		
10:50-11:10	C3-2B1®	**Fast and reliable determination of the traffic state using Bluetooth detection on German freeways** M. Margreiter[1]*, *[1]Technical University of Munich, Germany*
11:10-11:30	C3-2B2®	**A RFID-Bluetooth framework for intelligent vehicular monitoring systems** C. Pedraza[1]*, F. Vega[1], G. Mañana[1], *[1]Universidad Nacional de Colombia, Colombia*
11:30-11:50	C3-2B3®	**Integration of mobile wireless RF sensors into a traffic information system** L.C. Touko Tcheumadjeu[1]*, A. Luber[1], E. Brockfeld[1], G. Gurczik[1], A. Sohr[1], A. Sauerländer[1], *[1]German Aerospace Center (DLR), Germany*
11:50-12:10	C3-2B4®	**Travel time indirect estimation methods** T. Yi[1], M. Williams[1], M. Shao[1]*, *[1]CDM Smith, USA, [2]North Carolina State University, USA, [3]Tongji University, China*
C3 – 2C - ITS Applications Room: ZHB508 Session Chair: Gongbin Qian		
13:30-13:50	C3-2C1	**How temporally seam(less) is our bus system: Smart card and AVL data joint analysis** D. Zhang[1]*, L.N. Zhang[2], J. An[3], X.G. Yang[2], H.F. Xu[1], *[1]Dalian University of Technology, China, [2]Tongji University, China, [3]Beijing Transportation Research Center, China*

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13:50-14:10	C3-2C2	**Intelligent truck parking using real-time data from vehicle on-board units of satellite-based truck tolling** E. Pfannerstill[1]*, A. Apfelstädt[1], J. Fuchs[1], *[1]FH Erfurt University of Applied Sciences, Germany*
14:10-14:30	C3-2C3	**Active traffic and demand management and its application in alleviating traffic congestion** X. Hu[1,3], X. Zhu[1], J. Lin[1], Y.C. Chiu[2,3]*, *[1]Metropia Inc, USA, [2]University of Arizona, USA, [3]Metropia China, China*
14:30-14:50	C3-2C4	**Development of two-stage extended kalman filter for vehicle locations obtained from GPS enabled smart phones through crowd-sourcing** M. Kiran[1], N.R. Velaga[1]*, R. Raaj[1], *[1]Indian Institute of Technology (IIT) Bombay, India*
14:50-15:10	C3-2C5®	**Performance measurement of a bluetooth-based floating car observer** G. Gurczik[1], A. Sauerländer-Biebl,[1]*, *[1]German Aerospace Center, Germany*
C3 – 2D - Road Safety Room: ZHB508 Session Chair: Takashi Oguchi		
15:30-15:50	C3-2D1®	**Review of driving performance parameters critical for distracted driving research** P. Papantoniou[1]*, E. Papadimitriou[1], G. Yannis[1], *[1]National Technical University of Athens, Greece*
15:50-16:10	C3-2D2®	**Smartphone based forward collision warning messages in work zones to enhance safety and reduce emissions** F. Qiao[1]*, R. Rahman[1], Q. Li[1], L. Yu[1], *[1]Texas Southern University, USA*
16:10-16:30	C3-2D3®	**Effects of a GPS-enabled smart phone App with functions of driving safety diagnosis and warning information provision on over-speeding violation behavior on expressways** Y. Jiang[1]*, J. Zhang[1], M. Chikaraishi[1], H. Seya[1], A. Fujiwara[1], *[1]Hiroshima University, Japan*
16:30-16:50	C3-2D4®	**The research of the hazard identification and risk assessment front of the vehicle based on machine vision** F.Y. Yang[1]*, H.S. Wan[2], T.Z. Li[1], *[1]Southeast University, China, [2]Kunming University of Science and Technology, China*
Tuesday, 12 July		
C3 - 3B - ITS Modelling Room: ZHB508 Session Chair: Keshuang Tang		
10:30-10:50	C3-3B1®	**Route choice modelling with Support Vector Machine** B.R. Sun[1]*, B.B. Park[1], *[1]University of Virginia, USA*
10:50-11:10	C3-3B2®	**Comprehensive monitoring system for multiple vehicles and its modelling study** K. Xu[1]*, H. Zhen[1], Y. Li[2], L. Yue[3], *[1]Shanghai Maritime University, China, [2]Tongji University, China, [3]Shanghai Yiwei Information Technology Co., Ltd., China*
11:10-11:30	C3-3B3®	**Modelling IT systems for public transport companies: The domain model ITTC** C. Dohmen[1]*, *[1]IVU Traffic Technologies AG, Germany*
11:30-11:50	C3-3B4	**Assessing the regional energy impact of connected vehicle deployment** J.A. Auld[1]*, D. Karbowski[1], V. Sokolov[1], *[1]Argonne National Laboratory, USA*

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C3 – 3D - ITS Service Platform Room: ZHB508 Session Chair: Paulo Almedia		
15:30-15:50	C3-3D1®	**Advanced impact integration platform for cooperative road use** J.M. Bandeira[1]*, C. Guarnaccia[2], P. Fernandes[1], M.C. Coelho[1], *[1]University of Aveiro, Portugal, [2]University of Salerno, Italy*
15:50-16:10	C3-3D2®	**Managing data and rethinking applications in an innovative mid-sized bus fleet** P. Tilocca[1], S. Farris[1], S. Angius[1], R. Argiolas[1], A. Obino[1], S. Secchi[1], S. Mozzoni[2], B. Barabino[2]*, *[1]CTM SpA, Italy, [2]Technomobility srl, Italy*
16:10-16:30	C3-3D3®	**ITS service platform: In search of working business models and ecosystem** A. Aapaoja[1]*, J. Kostiainen[1], Z. Zulkarnain[1], P. Leviäkangas[2], *[1]VTT Technical Research Centre of Finland Ltd., Finland, [2]Curtin University, Australia*
C2/C3 - 4B - Roundtable Session on Regional Traffic Management and Control Room: ZHB508 Session Chair: Philip Krüger		
10:30-12:10	C2/C3-4B1	**The Study and Comparison of Diverging Diamond Interchange and Clover Leaf Interchange by Traffic Simulation Software AIMSUN** R. Moayedfar[1]*, S. Amirkhani[1], S. Parasteh[1], *[1]Arak University, Iran, [2]Islamic Azad University, South of Tehran Branch, Iran,*
10:30-12:10	C2/C3-4B2	**Bangalore Traffic Improvement Project - B Trac** B.H. Sanjeev Kumar[1]*, B. Dayananda[2], *[1]SLS Transport Training Institute and Consultancy Pvt. Ltd., India, [2]Bangalore Traffic Police, India*
10:30-12:10	C2/C3-4B3	**Study on pedestrian crossing capacity models at signalized intersections in typical commercial area** B. Li[1]*, J.X. Cao[1], *[1]Inner Mongolia University, China*
10:30-12:10	C2/C3-4B4	**Macroscopic and microscopic variables in capacity and level of service in Colombian sidewalks** F. Guío[1]*, J. Poveda[1], D. Dueñas[1], *[1]Universidad Pedagógica y Tecnológica de Colombia, Colombia*
10:30-12:10	C2/C3-4B5	**Traffic Flow Parameters for Varying Geometric Elements of Mid-Block Merging Sections** M. Dubey[1]*, S. Ram[1], P.K. Sarkar[1], *[1]School of Planning and Architecture, New Delhi, India*
10:30-12:10	C2/C3-4B6	**Methodology to improve the efficiency of a BRT corridor from adaptative signal control and coordination with stop time at stations.** N. Correal Huertas[1]*, J. Bocarejo Suescún[1], *[1]Universidad de Los Andes, Colombia*
10:30-12:10	C2/C3-4B7	**Northern Virginia Traffic Impact Study on 2013 Federal Government Shutdown - Implications to Demand Management** J. Gou[3], L. Zhang[1]*, Q. He[2], Z. Huang[1], V. Gunda[3], L. Li[4], *[1]Mississippi State University, USA, [2]State University of New York, Buffalo, USA, [3]Serco, USA, [4]Virginia Department of Transportation, USA*

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C4: Traffic Safety Analysis and Policy		
Monday, 11 July		
C4 - 2B - Pedestrian Safety I Room: ZHB509 Session Chair: Eleonors Papadimitriou		
10:50-11:10	C4-2B1®	**Why cross on red signal? Comparison of questionnaire responses with actual behavior in Izmir, Turkey** P. Onelcin[1]*, Y. Alver[1], *[1]Ege University, Turkey*
11:10-11:30	C4-2B2®	**Pedestrian's safety perceptions at signalized intersections in Shanghai** Y. Ni[1]*, Y.Y. Cao[1], K.P. Li[1], *[1]Tongji University, China*
11:30-11:50	C4-2B3®	**A study on the spatiotemporal pedestrian density distribution at signalized crosswalks for safety assessment** X. Zhang[1]*, H. Nakamura[1], *[1]Nagoya University, Japan*
11:50-12:10	C4-2B4	**Pedestrian red-light violation behavior analysis based on survival analysis** N. Zhang[1]*, Z. Sun[1], L. Liu[1], L. Jiang[1], *[1]Chongqing University, China*
C4 - 2C - Pedestrian Safety II Room: ZHB509 Session Chair: Dinesh Mohan		
13:30-13:50	C4-2C1®	**Human factors of pedestrian walking and crossing behaviour** E. Papadimitriou[1]*, S. Lassarre[2], G. Yannis[1], *[1]National Technical University of Athens, Greece, [2]IFSTTAR French Institute of Science and Technology for Transport, Development and Networks, France*
13:50-14:10	C4-2C2®	**Exploring safety impacts of pedestrian crossing configurations at signalized junctions on urban roads with public transport routes** V. Gitelman[1]*, R. Carmel[1], F. Pesahov[1], S. Hakkert[1], *[1]Technion, Israel*
14:10-14:30	C4-2C3®	**Turning accidents between cars and trucks and cyclists driving straight ahead** T. Richter[1]*, J.C. Sachs[1], *[1]Technische Universitaet Berlin, Germany*
14:30-14:50	C4-2C4®	**Simulation of the bi-directional pedestrian's movement on stairs considering specifications of personal space** M.W. Liu[1]*, L. Chu[3], J.Y. Yan[3], S.M. Wang[1], Y. Oeda[3], T.N. Sumi[2], *[1]Shanghai Ocean University, China, [2]Kyushu University, Japan, [3]Singmans Container Holdings Limited (Shanghai), China*
14:50-15:10	C4-2C5®	**Evasive action based conflict indicators for evaluating pedestrian safety in China** A. Tageldin[1], T. Sayed[1]*, *[1]University of British Columbia, Canada*
C4 – 2D - Highway Safety I Room: ZHB509 Session Chair: N.N.Sze		
15:30-15:50	C4-2D1®	**Causes, consequences and countermeasures of overtaking accidents on two-lane rural roads** T. Richter[1]*, S. Ruhl[1], J. Ortlepp[2], J.E. Bakaba[2], *[1]Technische Universitaet Berlin, Germany, [2]German Insurance Association (GDV), Germany*
15:50-16:10	C4-2D2®	**A car-accident rate index for curved roads: A speed choice-based approach** H. Yotsutsuji[1]*, H. Kita[1], J. Xing[2], S. Hirai[2], *[1]Kobe University, Japan, [2]Nippon Expressway Research Institute Co.Ltd, Japan*
16:10-16:30	C4-2D3®	**Safety evaluation of combined alignments of freeway: A driving simulator study** J. Liu[1]*, X.S. Wang[1], *[1]Tongji University, China*

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16:30-16:50	C4-2D4®	**Applying GIS to identify the spatial and temporal patterns of road accidents using spatial statistics (Case study: Ilam Province, Iran)** M.A. Aghajani[1]*, R. Shahni Dezfoulian[2,3], A. Rezaee Arjroody[2], M.R. Rezaei[4], *[1]Statistical Center of Iran, Iran, [2]Housing & Urban Development Research Center, Iran, [3]K. N. T. University of Technology, Iran, [4]Road & Urban Development Bureau of Ilam Province, Iran*
16:50-17:10	C4-2D5®	**Three strategies reducing accident rates at black spots and black sites road in Riau Province, Indonesia** A. Sandhyavitri[1]*, S. Wiyono[1], Z. Zamri[1], S. Subiantoro[1], *[1]University of Riau, Indonesia*
Tuesday, 12 July		
C4 - 3B - Traffic Safety Modelling I Room: ZHB509 Session Chair: Xuesong Wang		
10:30-10:50	C4-3B1®	**An odds analysis on traffic accidents considering traffic flow conditions** T. Kanzawa[2], M. Tsukai[1]*, M. Fuse[1], J. Zhang[1], *[1]Hiroshima University, Japan, [2]Tokyo Metro, Co. Ltd., Japan*
10:50-11:10	C4-3B2®	**Visibility improvements through Information Provision Regarding Sun Glare: A case study in Cape Town** M.J.W.A. Vanderschuren[1], N. Khumalo[1]*, *[1]University of Cape Town, South Africa*
11:10-11:30	C4-3B3®	**Modelling the relationship between speed and safety using path analysis** S.A. Gargoum[1], K. El-Basyouny[1]*, *[1]University of Alberta, Canada*
11:30-11:50	C4-3B4®	**The relationship between free-flow travel speeds, infrastructure characteristics and accidents on single-carriageway roads** V. Gitelman[1]*, E. Doveh[2], S. Bekhor[1], *[1]Technion, Israel, [2]Technion Statistical Laboratory, Israel*
11:50-12:10	C4-3B5®	**Assessing the safety efficacy of regulatory headlight signs on mountainous rural highways** M.M. Ahmed[1]*, S. Gaweesh[1], K. Ksaibati[1], M.H. Rahman[1], *[1]University of Wyoming, USA*
C4 – 3D - Highway Safety II Room: ZHB509 Session Chair: S.K.Jason Chang		
15:30-15:50	C4-3D1®	**Evaluation of the effects of auxiliary lanes on road safety at downstream of U-turns** I.P. Meel[1,3]*, A. Vesper[1], A. Borsos[2], C. Koren[2], *[1]Bauhaus-University Weimar, Germany, [2]Szechenyi Istvan University, Hungary, [3]Sri Balaji College of Engineering and Technology, India*
15:50-16:10	C4-3D2®	**Estimating the impacts of adverse weather conditions on work zone crash severity using the SHRP2 roadway information database** M.M. Ahmed[1]*, A. Ghasemzadeh[1], *[1]University of Wyoming, USA*
16:10-16:30	C4-3D3®	**The situation awareness of young drivers, middle-aged drivers, and older drivers: Same but different?** B. Scott-Parker[1]*, T. De Regt[1], C.M. Jones[1], J. Caldwell[1], *[1]University of the Sunshine Coast, Australia*

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16:30-16:50	C4-3D4	**Transferability of safety performance functions to estimate crash modification factors: A case study of State-to-State transferability** J. Wang[1], J. Lee[1], J. Park[1], A. Farid[1], M. Abdel-Aty[1]*, [1]*University of Central Florida, USA*
16:50-17:10	C4-3D5®	**The influence of intelligent road studs on safe driving behaviour at a spiral-marked roundabout** R. Llewellyn[1]*, [1]*Edinburgh Napier University, UK*
Wednesday, 13 July		
C4 – 4A - Urban Traffic Safety Room: ZHB509 Session Chair: Geetam Tiwari		
08:30-08:50	C4-4A1®	**Safety assessment of a turbo-roundabout and a two-lane roundabout using a multivariate exact logistic regression of surrogate measures, micro-simulation and Surrogate Safety Assessment Model** L.A. Bulla-Cruz[1]*, L. Lyons[1], E. Darghan[1], [1]*Universidad Nacional de Colombia, Colombia*
08:50-09:10	C4-4A2®	**The effects of road, driver, and passenger presence on drivers' choice of speed: A driving simulator study** A. Goralzik[1]*, M. Vollrath[1], [1]*Technische Universität Braunschweig, Germany*
09:10-09:30	C4-4A3	**A method for identifying the potential sites of traffic accidents based on risk assessment** M.F. Fukumoto[1]*, H.K. Kato[1], Y.M. Mimura[1], R.A. Ando[1], [1]*Toyota Transportation Research Institute, Japan*
09:30-09:50	C4-4A4®	**An optimal pricing scheme for accident externality under mixed traffic flow conditions** S.R. Hu[1], C.P. Chu[2]*, C.Y. Wang[3], M.S. Lu[1], [1]*National Cheng Kung University, Taiwan,* [2]*National Dong Hwa University, Taiwan,* [3]*National Defense University, Taiwan*
C4 - 4B - Roundtable Session on Regional Developments in Road Traffic Safety Room: ZHB509 Session Chair: Dinesh Mohan		
10:30-12:10	C4-4B1®	**The effect of accident history and socio-economic groups to Indonesian driver behaviour** L.S. Putranto[1]*, A.A. Chandra[1], [1]*Tarumanagara University, Indonesia*
10:30-12:10	C4-4B2®	**A systematic approach for ensuring traffic safety in smart cities in India** P.K. Agarwal[1]*, A.B. Khan[1], R. Mehar[1], [1]*Maulana Azad National Institute of Technology, Bhopal, India*
10:30-12:10	C4-4B3®	**Risk factors associated with crashes involving three wheelers in Sri Lanka** N. Amarasingha[1]*, [1]*Sri Lanka Institute of Information Technology, Sri Lanka*
10:30-12:10	C4-4B4®	**The effect of type of attributes on the fill-ability of accident reporting forms (ARF)** A. Ahmed[1,2]*, A.F.M. Sadullah[1], A.S. Yahya[1], [1]*Universiti Sains Malaysia, Malaysia,* [2]*NED University of Engineering and Technology, Pakistan*
10:30-12:10	C4-4B5®	**Analysis of campaigns to the traffic's effectiveness in amendment of drive risk behavior in Federal District of Brazil** F.M. Vieira[1], I.C. Almeida[1], F.S. Arruda[1]*, R.M.D. Fiaco[1], K.B. Costa[1], [1]*University of Brasilia, Brazil*

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10:30-12:10	C4-4B6®	**A partial proportional odds model for pedestrian crashes at mid-blocks in Melbourne Metropolitan area** A. Toran Pour[1]*, S. Moridpour[1], A. Rajabifard[2], R. Tay[1], *[1]RMIT University, Australia, [2]Melbourne University, Australia*
10:30-12:10	C4-4B7®	**Impact of potholes on multilane highway travel time delay** J.E. Ben-Edigbe[1]*, *[1]UKZN, South Africa*
10:30-12:10	C4-4B8®	**Dilemma of pedestrians during gap acceptance at uncontrolled mid-block crossings** D.S. Pawar[1]*, G.R. Patil[1], *[1]IIT Bombay, India*
C4 – 4C - Two Wheeler Safety Room: ZHB509 Session Chair: George Yannis		
13:30-13:50	C4-4C1®	**Video- and survey-based analysis of pedestrian and cyclist behavior at an urban level crossing** D. Baric[1]*, H. Pilko[1], M. Starcevic[1], *[1]University of Zagreb, Croatia*
13:50-14:10	C4-4C2®	**Built environment factors in explaining the frequencies of bicycle-vehicle crashes: A spatial statistic approach** P. Chen[1]*, *[1]University of Washington, USA*
14:10-14:30	C4-4C3®	**Factors contributing to motor-cycle fatal crashes on national highways in India** H.M. Naqvi[1,2], G. Tiwari[1]*, *[1]Indian Institute of Technology, India, [2]National Highways Authority of India, India*
14:30-14:50	C4-4C4	**Built-environment effects on cyclist injury severity in automobile-involved bicycle crashes** P. Chen[1]*, Q. Shen[1], *[1]University of Washington, USA*
14:50-15:10	C4-4C5®	**Motorcycle management policy in Taiwan: From dilemma to reality** S.K. Chang[1], C.Y. Chen[1], Y.W. Chen[1]*, *[1]National Taiwan University, Taiwan*
C4 – 4D - Traffic Safety Modelling II Room: ZHB509 Session Chair: Mohamed Abdel-Aty		
15:30-15:50	C4-4D1®	**A Poisson-Hidden Markov approach to modelling vehicle crash count data** C. Xiong[1]*, Z. Zhu[1], L. Tang[1], L. Zhang[1], *[1]University of Maryland, USA*
15:50-16:10	C4-4D2®	**Analysis of roadway and environmental factors affecting traffic crash severities** Y. Wang[1]*, W. Zhang[1], *[1]Federal Highway Administration Turner-Fairbank Highway Research Center, USA*
16:10-16:30	C4-4D3	**Analyzing hit-and-run in pedestrian-vehicle collisions** J. Lee[1], M. Abdel-Aty[1]*, P-F. Kuo[2], *[1]University of Central Florida, USA, [2]Central Police University, Taiwan*
16:30-16:50	C4-4D4®	**Risk analysis on level crossings using a causal Bayesian network based approach** C. Liang[1,2]*, M. Ghazel[2,1], E.M. El-Koursi[2,1], O. Cazier[4,1], *[1]Institut de Recherche Technologique Railenium, France, [2]IFSTTAR-COSYS/ESTAS, France, [3]University Lille 1, France, [4]SNCF Réseau, France*
16:50-17:10	C4-4D5®	**All-round methodology for upgrading existing rural roads that are prone to accidents using virtual driving simulation.** W. Kuhn[1]*, T. Hoppner[1], M. Muller[1], *[1]University of Applied Sciences Zwickau, Department of Transport and Energy Engineering, Germany*

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Thursday, 14 July		
C4 – 5A - Traffic Risk Analysis Room: ZHB509 Session Chair: Mariane Vanderschuren		
08:30-08:50	C4-5A1®	**Intervention analysis of the safety effects of excessive speeding legislation in Canada** S.A. Gargoum[1], K. El-Basyouny[1]*, [1]*University of Alberta, Canada*
08:50-09:10	C4-5A2®	**Forecasting road traffic accidents in Spain** T. Rangel[1]*, J.N. Ibáñez[1], P. Christidis[1], [1]*European Commission - Joint Research Centre, Spain*
09:10-09:30	C4-5A3®	**Exploring tram/ light rail road safety on streets and the impact of traffic priority interventions** F. Naznin[1], G. Currie[1]*, D. Young[1], M. Sarvi[1], [1]*Institute of Transport Studies, Monash University, Australia*

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TOPIC D: ACTIVITY AND TRANSPORT DEMAND		
D1: Data Collection and Processing Methods		
Monday, 11 July		
D1 – 2C - Data Collection and Processing Methods D1-OS1, Combining Survey Modes and Data Sources Room: NB111 Session Chair: Patrick Bonnel		
13:30-13:50	D1-2C1	**Mobility behaviour comparison in mixed-mode survey using Hurdle model. Application to the phone and web Rhône-Alps household travel survey** C. Bayart[1]*, P. Bonnel[1], *[1]Laboratoire de Sciences Actuarielle et Financière, France, [2]Laboratoire Economie Aménagement Transports, France*
13:50-14:10	D1-2C2®	**Conducting a study to investigate eco-driving strategies with battery electric vehicles - a multiple method approach** M. Günther[1]*, N. Rauh[1], J.F. Krems[1], *[1]Technische Universität Chemnitz, Germany*
14:10-14:30	D1-2C3®	**Deploying traditional and smartphone app survey methods in measuring door-to-door travel satisfaction in eight European cities** Y.O. Susilo[1]*, A. Woodcock[2], F. Liotopoulos[3], A. Duarte[4], J. Osmond[2], R. Abenoza[1], L.M. Anghel[5], D. Herrero[6], F. Fonari[7], V. Tolio[8], *[1]KTH Royal Institute of Technology, Sweden, [2]Coventry University, UK, [3]SBoing, Greece, [4]VTM, Portugal, [5]Integral Consulting R&D, Romania, [6]ITENE, Spain, [7]Eurokleis, Italy, [8]Federation Internationale de l'Automobile, Belgium*
14:30-14:50	D1-2C4®	**Effects of improvements to survey methods on data quality and precision - Methodological insights into the 10th wave of the cross-sectional household survey "Mobility in Cities - SrV"** S. Hubrich[1]*, R. Wittwer[1], *[1]Technische Universität Dresden, Germany*
14:50-15:10	D1-2C5®	**Comparative analysis of household travel and activity diary surveys in Greater Abidjan, Côte d'Ivoire** S. Yagi[1], H. Shiraishi[2]*, *[1]ALMEC Corporation, Japan, [2]Oriental Consultants Global Co., Ltd., Japan*
D1 - 2D - Data Collection and Processing Methods D1-OS2, Combining Survey Modes and Data Sources Room: NB111 Session Chair: Doina Olaru		
15:30-15:50	D1-2D1®	**Overview of a large-scale controlled experiment on the walking behavior of individuals with disabilities** K. Christensen[1]*, M.S. Sharifi[1], D. Stuart[1], A. Chen[1], Y.S. Kim[1], Y.Q. Chen[2], *[1]Utah State University, USA, [2]University of California Merced, USA*
15:50-16:10	D1-2D2	**Multimodal travel demand based on itineraries' requests** A. Remy[1]*, M. Chandesris[1], S. Mastalerz[2], A. Hyenne[2], E. Bousquie[2], *[1]SNCF Innovation & Research, France, [2]Kisio, France*
16:10-16:30	D1-2D3®	**Stated preference survey design to understand how freight users value travel time reliability** K. Shams[1], X. Jin[1]*, M. Hossan[1], H. Asgari[1], R. Fitzgerald[2], *[1]Florida International University, USA, [2]Florida Department of Transportation, USA*
16:30-16:50	D1-2D4®	**Examining methodological issues on combined RP and SP data** M. Lavasani[1], M.S. Hossan[1], H. Asgari[1], X. Jin[1]*, *[1]Florida International University, USA*

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16:50-17:10	D1-2D5	**Exploring bus-metro transfer information from smart card data** M. Lin[1]*, Z.D. Huang[1], *[1]Wuhan University, China*
Tuesday, 12 July		
D1 - 3A - Data Collection and Processing Methods D1-OS3, Passive and Big Data Analysis Room: NB111 Session Chair: Patrick Bonnel		
08:30-08:50	D1-3A1®	**« Passive » mobile phone dataset and mobility data** P. Bonnel[4]*, E. Hombourger[1], A-M. Olteanu-Raimond[2], Z. Smoreda[3], *[1]CEREMA, France, [2]IGN, France, [3]Orange Labs, France, [4]Laboratoire d'Economie des Transports, France*
08:50-09:10	D1-3A2®	**Application of Call Detail Records - Chances and Obstacles** M. von Mörner[1]*, *[1]Technische Universität Darmstadt, Germany*
09:10-09:30	D1-3A3®	**Passenger demand and patterns of tourists' mobility in the Aegean Archipelago with combined use of big datasets from mobile phones and statistical data from ports and airports** F. Hatziioannidou[1], A. Polydoropoulou[1]*, *[1]University of the Aegean, Greece*
09:30-09:50	D1-3A4	**Collaborative approaches to the production of information for urban mobility systems** L.N. Filipe[1]*, R. Macário[1], *[1]Instituto Superior Técnico, Portugal*
09:50-10:10	D1-3A5®	**Pursuing precise vehicle movement trajectory in urban residential area using RTK multi-GNSS tracking** Q. Sun[1]*, C. Xia[1], J. Foster[1], T. Falkmer[1], H. Lee[1], *[1]Curtin University, Australia*
D1 - 3D - Data Collection and Processing Methods D1-OS4, Imputation and Data Analysis in GPS Surveys Room: NB111 Session Chair: Harry Timmermans		
15:30-15:50	D1-3D1®	**Integrated imputation of activity-travel diaries incorporating the measurement of uncertainty** T. Feng[1]*, H. Timmermans[1], *[1]Eindhoven University of Technology, The Netherlands*
15:50-16:10	D1-3D2®	**Allocating travel times recorded from Sparse GPS probe vehicles into individual road segments** P. Puangprakhon[1*,2], S. Narupiti[1], *[1]Chulalongkorn University, Thailand, [2]Mahanakorn University of Technology, Thailand*
16:10-16:30	D1-3D3®	**Lessons from a trial of MEILI, a smartphone based semi-automatic activity-travel diary collector, in Stockholm City, Sweden** Y.O. Susilo[1], A.C. Prelipcean[1]*, G. Gidófalvi[1], A. Allström[2], I. Kristoffersson[2], J. Widell[2], *[1]KTH Royal Institute of Technology, Sweden, [2]Sweco Transport System, Sweden*
16:30-16:50	D1-3D4®	**Imputing missing data for transportation and land use modeling: A comparison of two multiple imputation approaches** L. Wang[1]*, K. Kim[1], *[1]Portland State University, USA, [2]SCAG, USA*
16:50-17:10	D1-3D5	**Move-Stay Detection of Smartphone-based Travel Survey Data** N. Hamasawa[1]*, T. Maruyama[1], *[1]Kumamoto University, Japan*

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Wednesday, 13 July		
D1 - 4A - Data Collection and Processing Methods D1-OS5, Development of Smart Phone App for Data Collection Room: NB111 Session Chair: Xiaoyu Zhu		
08:30-08:50	D1-4A1®	**Contextual driving risks analysis using dynamic smartphone-based data: The potential for usage based insurance** X. Zhu[1], X. Hu[2], Y.L. Ma[3], Y.C. Chiu[2]*, *[1]Metropia, Inc., USA, [2]Metropia China (Shanghai) Co., Ltd., China, [3]Illinois State University, USA*
08:50-09:10	D1-4A2	**Applying gamification methodology for the collection of leisure travel data** Y.J. Jang[1]*, *[1]The University of Seoul, Republic of Korea*
09:10-09:30	D1-4A3	**Exploring smartphone GPS data for better understanding of travel behavior** E. Sadeghvaziri[1], M. Rojas[1], X. Jin[1]*, *[1]Florida International University, Miami, FL, USA*
09:30-09:50	D1-4A4	**Development and initial evaluation of a Smartphone-based voluntary travel behavior change programme in Manila** V. Sunio[1]*, J.D. Schmöcker[1], M.J. Torres[2], K.M. Robosa[2], *[1]Kyoto University, Japan, [2]EACOMM Corporation, The Philippines*
09:50-10:10	D1-4A5®	**Gamification approach to smartphone-app-based Mobility Management** R. Nakashima[1]*, T. Maruyama[1], *[1]Kumamoto University, Japan*
D1 - 4B - Data Collection and Processing Methods D1-OS6, New Surveys and Applications Room: NB111 Session Chair: Takuya Maruyama		
10:30-10:50	D1-4B1®	**Comparative analyses of taxi operations at the airport** Y. Ji[1]*, Y. Cao[1], Y. Du[1], H.M. Zhang[2,1], *[1]Tongji University, China, [2]University of California at Davis, USA*
10:50-11:10	D1-4B2	**Engaging powered-two-wheeler riders in research surveys: Insights from Australia** G. Rose[1]*, M. Johnson[1], B. Amani-Jordehi[1], *[1]Monash University, Australia*
11:10-11:30	D1-4B3	**Face to face versus telephone: Two different methods employed at the same time in the same territory** C. Hurez[1]*, B. Christian[1], J. Armoogum[2], M. Tebar[1,2], *[1]Cerema, France, [2]Ifsttar, France*
11:30-11:50	D1-4B4	**Comparison of smartphone-based, web-based and paper-based travel survey methods: Reported departure/arrival time difference** Y. Sato[1]*, T. Maruyama[1], *[1]Kumamoto University, Japan*
11:50-12:10	D1-4B5	**Exploring the relationship of travel attitude and non-response behavior in longitudinal household travel surveys** H. Zhao[1], Y. Zhao*[1], *[1]AECOM, USA, [2]Jacobs, USA*

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D2: Travel Behaviour and Choice Modelling		
Monday, 11 July		
D2 – 2C - Travel Behaviour and Choice Modelling D2-OS1, On Improving Convenience and Accessibility of Public Transport Services for Urban, Regional, and National Travel Room: NB112 Session Chair: Gopal R. Patil		
13:30-13:50	D2-2C1®	**Measuring comfort in public transport services** S.O. Imre[1]*, D. Celebi[1], *[1]Istanbul Technical University, Turkey*
13:50-14:10	D2-2C2®	**Mode choice modelling using adaptive data collection for different trip purposes in Mumbai Metropolitan Region** R. Basu[1], G.R. Patil[1]*, T.H. Rashidi[2], *[1]IIT Bombay, India, [2]UNSW, Australia*
14:10-14:30	D2-2C3	**Estimating travel mode choice including rail in regional area – Application of new specifications of generalized linear models** H. Bouscasse[5*,4], I. Joly[1,2], J. Peyhardi[3], *[1]INRA, GAEL, France, [2]Grenoble INP, France, [3]Virtual Plants, Inria and CIRAD, UMR AGAP, France, [4]CNRS, LET, France, [5]ENTPE, France*
14:30-14:50	D2-2C4®	**Reducing dependency on special transport services through public transport** L. Hansson[1], J. Holmgren[1]*, *[1]Molde University College - Specialized University in Logistics, Norway*
D2 - 2D - Travel Behaviour and Choice Modelling D2-OS2, University Student Travel Demand Analysis Room: NB112 Session Chair: Ram Pendyala		
15:30-15:50	D2-2D1®	**Activities and daily trips of university students in a CBD area (case study: Amirkabir University of Technology)** S. Dibaj[1]*, A. Golroo[1], M. Habibian[1], G. Hasani[1], *[1]Amirkabir University of Technology, Iran*
15:50-16:10	D2-2D2	**A novel approach to model university student travel demand** V.M. Garikapati[1], D. You[1], R.M. Pendyala[1]*, *[1]Georgia Institute of Technology, USA*
16:10-16:30	D2-2D3®	**Modelling the effect of factors on the stated preference towards telecommuting in IIUM campus, Gombak** F.D. Ismail[1], A.A.K. Hamsa[1]*, M.Z. Mohamed[1], *[1]International Islamic University Malaysia, Malaysia*
16:30-16:50	D2-2D4®	**Intercity travel analysis for a university township with emphasis on air travel** M. Thomas[1], A.V. Sohoni[1], K.V.K. Rao[1]*, *[1]Indian Institute of Technology Bombay, India*
Tuesday, 12 July		
D2 - 3A - Travel Behaviour and Choice Modelling D2-OS3, Accommodating Travel Reliability (Uncertainty) in Travel Modelling Room: NB112 Session Chair: Chinh Q Ho		
08:30-08:50	D2-3A1®	**An information-based framework on incorporating travel time uncertainty into transportation modelling** J.B. Yu[1]*, J. Jayakrishnan[1], *[1]University of California, USA*

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08:50-09:10	D2-3A2®	**Influence of variability of travel time on train station choice for park-and-ride users** C. Chen[1], J. Xia[1]*, B. Smith[1], D. Olaru[1], J. Taplin[1], R. Han[1], *[1]Curtin University, Australia*
09:10-09:30	D2-3A3	**Joint estimation of mode and time of day choice accounting for arrival time flexibility, travel time reliability and crowding on public transport** C. Ho[1]*, D.A. Hensher[1], *[1]University of Sydney, Australia*
09:30-09:50	D2-3A4®	**Do commuters behave consistently when identifying their preferred and least preferred mode within the context of uncertainty?** Y. Huang[1]*, D. Olaru[1], B.W. Smith[1], *[1]University of Western Australia, Australia*
D2 - 3D - Travel Behaviour and Choice Modelling D2-OS4, Emerging Methods and New Applications in Travel-Related Analysis Room: NB112 Session Chair: Xin Ye		
15:30-15:50	D2-3D1	**Identification of causal effects from cross-sectional travel surveys – Case study of car sharing in San Francisco Bay Area** G.S. Mishra[1,4]*, P.L. Mokhtarian[2,1], K.F. Widaman[3], R.R.L. Clewlow[1], *[1]University of California Davis, USA, [2]Georgia Institute of Technology, USA, [3]University of California Riverside, USA, [4]Stanford University, USA*
15:50-16:10	D2-3D2®	**Analysing competition between High Speed Rail and Bus mode using market entry game analysis** V. Raturi[1]*, A. Verma[1], *[1]Indian Institute of Science, Bangalore, India*
16:10-16:30	D2-3D3®	**Substitution patterns in multiple discrete-continuous generalized extreme value model for household transportation expenditures** X. Ye[1]*, A. Pinjari[1], *[1]Tongji University, China, [2]University of South Florida, USA*
16:30-16:50	D2-3D4	**Investigating the impact of happiness indicators on the efficiency of choice models** M. Said[1], M. Abou-Zeid[1]*, A. Chalak[1], *[1]American University of Beirut, Lebanon*
Wednesday, 13 July		
D2 - 4A - Travel Behaviour and Choice Modelling D2-OS5, Latent Variable Models and Applications Room: NB112 Session Chair: T. Rossetti		
08:30-08:50	D2-4A1	**Identifying user preferences for cycling infrastructure design using latent class discrete choice models** T. Rossetti[1]*, V. Saud[2], P. Galilea[1], R. Hurtubia[1], *[1]Pontificia Universidad Católica, Chile, [2]University College London, UK*
08:50-09:10	D2-4A2	**The choice between plug-ins, hybrids and the status quo: Evidence from a Canadian stated preference analysis** M. Ferguson[1], M. Mahmoud[1]*, C. Higgins[1], P. Kanaroglou[1], *[1]McMaster University, Canada*
09:10-09:30	D2-4A3®	**Does the transport behavior influence the preferences for electro mobility?** F.J. Bahamonde-Birke[1,2]*, *[1]DIW-Berlin, Germany, [2]TU-Berlin, Germany*
09:30-09:50	D2-4A4	**About the categorization of latent variables in hybrid choice models** F.J. Bahamonde-Birke[1,2]*, J.D. Ortúzar[3], *[1]DIW-Berlin, Germany, [2]TU-Berlin, Germany, [3]Pontificia Universidad Católica, Chile*

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D2 - 4B - Travel Behaviour and Choice Modelling D2-OS6, Predictors of Travel Mode Choice and Mode Shifts Room: NB112 Session Chair: Eva Heinen		
10:30-10:50	D2-4B1®	**What impacts school-commuting travel mode choice of primary school students: The case of Shenzhen, China** T. Lin[1]*, Z. Xiao[2], *[1]Shenzhen Urban Planning and Land Resource Research Center, China, [2]The University of Hong Kong, China*
10:50-11:10	D2-4B2	**Exploring the characteristic of cycling behavior through PT survey** Z. Zhu[1]*, R. Homma[1], K. Iki[1], *[1]Kumamoto University, Japan*
11:10-11:30	D2-4B3®	**Policy analysis for new commuter rail and road pricing alternatives using an SP survey in Abidjan** S. Yagi[1]*, H. Shiraishi[2], D. Nobel[3], *[1]ALMEC Corporation, Japan, [2]Oriental Consultants Global Co., Ltd., Japan, [3]University of Delaware, USA*
11:30-11:50	D2-4B4	**Baseline travel behaviour variability as a predictor of transport mode shifts: A natural experimental study** E. Heinen[3,2]*, D. Ogilvie[1], *[1]Cambridge University, UK, [2]Delft University of Technology, The Netherlands, [3]University of Leeds, UK*
D2 - 4C - Travel Behaviour and Choice Modelling D2-OS7, New Conceptual Models and Methods for Emerging Travel Contexts Room: NB112 Session Chair: Johanna Zmud		
13:30-13:50	D2-4C1®	**Towards an understanding of travel behavior impact of autonomous vehicles** J. Zmud[1]*, I. Sener[1], *[1]Texas A&M Transportation Institute, USA*
13:50-14:10	D2-4C2®	**Spatial distribution of urban trips in recently expanded Surat City through Fuzzy Logic with various clustering Techniques: A case study of typical metropolitan city in India** P.S. Salini[1], D. Sowjanya[1], A. Kedia[1]*, K. Saw[2], B.K. Katti[1], *[1]S V National Institute of Technology, India, [2]Institute of Urban Transport, India*
14:10-14:30	D2-4C3	**A mixed Bayesian network for two-dimensional decision modelling of departure time and lane choice** Z. Zhu[1]*, C. Xiong[1], X. Chen[2], L. Zhang[1], *[1]University of Maryland, USA, [2]Zhejiang University, China*
14:30-14:50	D2-4C4®	**An improvement of MATSim computing time for large-scale travel behavior microsimulation** C. Zhuge[1,2]*, M. Bithell[1], C. Shao[2], X. Li[3], J. Gao[2], *[1]University of Cambridge, UK, [2]Beijing Jiaotong University, China, [3]Beijing Institute of Technology, China*
D2 - 4D - Travel Behaviour and Choice Modelling D2-OS8, Trade-off Analysis in Transport Mode and Route Choice Room: NB112 Session Chair: Madlen Ringhand		
15:30-15:50	D2-4D1	**Measurements and properties of the values of time and reliability** M. Beaud[1], T. Blayac[1]*, M. Stéphan[1], *[1]University of Montpellier, France*
15:50-16:10	D2-4D2®	**Perception of bicycle users towards key route-related attributes influencing bicycling using the concept of Willingness to Pay.** B.B. Majumdar[1]*, S. Mitra[1], *[1]IIT, India*

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16:10-16:30	D2-4D3	**The impact of accessibility and urban form on young adults' model choice: Searching for the missing factors** P. Bonnel[1], C. Bayart[2]*, L. Bouzouina[1], *[1]LET-ENTPE, France, [2]SAF, France*
16:30-16:50	D2-4D4®	**Investigating urban route choice as a conflict between waiting at traffic lights and additional travel time** M. Ringhand[1]*, M. Vollrath[1], *[1]Technische Universität Braunschweig, Germany*
16:50-17:10	D2-4D5®	**Park-and-ride lot choice model with corrected endogeneity** B. Sharma[1]*, M. Hickman[1], N. Nassir[1], *[1]The University of Queensland, Australia*

D3: Applications of Travel Behaviour Analysis and Demand Modelling Approaches		
Monday, 11 July		
D3 – 2C - Applications of Travel Behaviour Analysis and Demand Modelling Approaches D3-OS1, Activity-Travel Analysis Room: NB129 Session Chair: Abolfazl Kouros Mohammadian		
13:30-13:50	D3-2C1®	**Activity-based travel demand forecasting using feathers: Model considerations and application** Q. Bao[1], B. Kochan[1], T. Bellemans[1], D. Janssens[1], Y. Shen[1]*, L. Creemers[1], G. Wets[1], *[1]Hasselt University, Belgium*
13:50-14:10	D3-2C2®	**Potential impacts of the removal of the senior free ride scheme in Seoul: An analysis using an activity-based travel simulator** C.H. Joh[1]*, J.H. Hwang[1], S. Cho[1], A.R. Baek[1], *[1]Kyung Hee University, Republic of Korea*
14:10-14:30	D3-2C3®	**Investigating the applicability of ADAPTS activity-based model in air quality analysis** R. Shabanpour*, M. Javanmardi, M.F. Langerudi, A. Mohammadian, *University of Illinois at Chicago, USA*
14:30-14:50	D3-2C4	**"Lifestyles": How to define and use it in modal choice studies** V. Van Acker[1]*, *[1]Universiteit van Amsterdam, The Netherlands, [2]Ghent University, Belgium*
14:50-15:10	D3-2C5	**Modelling the impacts of a low emission zone policy: the application of an integrated model of activity demand and network dynamics** D. You[1], V.M. Garikapati[1], R.M. Pendyala[1]*, *[1]Georgia Institute of Technology, USA*
D3 - 2D - Applications of Travel Behaviour Analysis and Demand Modelling Approaches D3-OS2, Mode Sharing Room: NB129 Session Chair: Bhargab Maitra		
15:30-15:50	D3-2D1®	**Mining car sharing use patterns from rental data: A case study of Chefenxiang in Hangzhou, China** C. Qian[1]*, W.F. Li[1], M.T. Ding[1], Y. Hui[1], Q. Xu[1], D.Y. Yang[1], *[1]Tongji University, China*
15:50-16:10	D3-2D2®	**Implementation of free-floating and station based car sharing in an agent based travel demand model** M. Heilig[1]*, N. Mallig[1], M. Kagerbauer[1], P. Vortisch[1], O. Schroeder[1], *[1]Karlsruhe Institute of Technology - Institute for Transport Studies, Germany*

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16:10-16:30	D3-2D3	**Indicators of station-based car sharing usage: Longitudinal and spatial analyses** M. Heilig[1], M. Kagerbauer[1]*, P. Vortisch[1], *[1]Karlsruhe Institute of Technology - Institute for Transport Studies, Germany*
16:30-16:50	D3-2D4®	**Identifying areas of interventions for encouraging car owners to use shared modes for school trips** P. Prasad[1]*, B. Maitra[1], *[1]Indian Institute of Technology, Kharagpur, India*
16:50-17:10	D3-2D5®	**User profiles of innovative bike-sharing systems** A. Munkacsy[1]*, A. Monzon[1], *[1]Universidad Politecnica de Madrid, Spain*
Tuesday, 12 July		
D3 - 3A - Applications of Travel Behaviour Analysis and Demand Modelling Approaches D3-OS3, Rail vs Other Modes Room: NB129 Session Chair: Yung-Hsiang Cheng		
08:30-08:50	D3-3A1®	**Mode shift behaviour of commuters due to the introduction of new rail transit mode** A.V. Sohoni[1], M. Thomas[1], K.V.K. Rao[1]*, *[1]Indian Institute of Technology Bombay, India*
08:50-09:10	D3-3A2®	**Traveller response to disruption of high-speed rail service** C.H. Wen[1]*, M.C. Wang[1], C. Fu[3], *[1]Feng Chia University, Taiwan, [2]Feng Chia University, Taiwan, [3]Institute of Transportation, Taiwan*
09:10-09:30	D3-3A3®	**The impact of attitudes and perceptions on high speed rail usage uptake in Taiwan and the Shanghai area** Y-T. Li[1]*, J-D. Schmöcker[1], D. Zhang[2], *[1]Kyoto University, Japan, [2]Dalian University of Technology, China*
D3 - 3D - Applications of Travel Behaviour Analysis and Demand Modelling Approaches D3-OS4, Discrete Choice Models Room: NB129 Session Chair: Bhargab Maitra		
15:30-15:50	D3-3D1®	**Application of attitude theory for identifying the effects of non-attendance attributes in stated choice surveys** N. Hoang-Tung[1]*, H. Kubota[1], *[1]Saitama University, Japan*
15:50-16:10	D3-3D2	**The pleasure of driving as a constraint for leaving the car: Evidence from a hybrid choice model** A. Borriello[1]*, S. Scagnolari[1], R. Maggi[1], *[1]Institute for Economic Research (IRE), Università della Svizzera Italiana, Switzerland*
16:10-16:30	D3-3D3®	**Effect of perception and attitudinal variables on mode choice behavior: A case study of Indian city, Agartala** P.P. Sarkar[1]*, C. Mallikarjuna[1], *[1]National Institute of Technology, India*
16:30-16:50	D3-3D4®	**Discussion on the correlation between commuting satisfaction and travelling Utility** F. Sprumont[1]*, P. Astegiano[2], F. Viti[1], *[1]University of Luxembourg, Luxembourg, [2]Katholieke Universiteit Leuven, Belgium*
16:50-17:10	D3-3D5®	**Temporal shift in willingness-to-pay for an emerging nation: A case study of rural feeder service to bus stop** B. Satishkumar[1], B. Maitra[1]*, S.S. Das[1], *[1]Rajib Gandhi University of Knowledge and Technology, India, [2]IIT Kharagpur, India, [3]Veer Surendra Sai University of Technology, India*

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Wednesday, 13 July		
D3 - 4A - Applications of Travel Behaviour Analysis and Demand Modelling Approaches D3-OS5, O-D matrices Room: NB129 Session Chair: Debasis Basu		
08:30-08:50	D3-4A1®	**A Bi-Level random forest based approach for estimating O-D matrices: Preliminary results from the Belgium national household travel survey** I. Saadi[1]*, A. Mustafa[1], J. Teller[1], M. Cools[1], *[1]University of Liège, Belgium*
08:50-09:10	D3-4A2	**O-d flows estimation and study area zoning: Preliminary insights on a joint approach** A. Papola[1], V. Marzano[1]*, F. Simonelli[2], *[1]Università di Napoli Federico II, Italy, [2]Università del Sannio (Benevento), Italy*
09:10-09:30	D3-4A3®	**Modelling multiple user classes and multiple criteria in bicycle traffic assignment** S. Ryu[1]*, A. Chen[1,2], J. Su[3], K. Choi[4], *[1]Ajou University, Republic of Korea, [2]Tongji University, China, [3]UCLA, USA, [4]Ajou University, Republic of Korea*
09:30-09:50	D3-4A4®	**Bootstrap confidence intervals of OD and link flow** H. Kawaoka[1], T. Maruyama[1], *[1]Kumamoto University, Japan*
09:50-10:10	D3-4A5	**Methods for fitting riding time distribution data of shared-auto users in urban area** D. Basu[1]*, S. Roy[1], S.L. Dhingra[2], A.D. Banik[1], *[1]Indian Institute of Technology Bhubaneswar, India, [2]Indian Institute of Technology Bombay, India*
D3 - 4B - Applications of Travel Behaviour Analysis and Demand Modelling Approaches D3-OS6, Tours Room: NB129 Session Chair: Luis Guzman		
10:30-10:50	D3-4B1®	**Monitoring the effect of transport policy measures with multi-criteria analysis** J. Bulckaen[1], I. Keseru[1], G. te Boveldt[1]*, C. Macharis[1], *[1]Vrije Universiteit Brussels, Belgium*
10:50-11:10	D3-4B2	**Exploring the interrelationships among socio-demographics, urban form, activity travel patterns, and travel distances** Y. Chen[1]*, G. Akar[1], *[1]Ohio State University, USA*
11:10-11:30	D3-4B3®	**The effects of land use on passengers' trip chaining decisions** P. Wen[1]*, P. Zhao[1], M.B. Bell[2], A. Namdeo[2], *[1]Peking University, China, [2]Newcastle University, UK*
11:30-11:50	D3-4B4®	**A strategic tour generation modelling within a dynamic land-use and transport framework: A case study of Bogota, Colombia** L.A. Guzman[1]*, A.M. Gomez[1], C. Rivera[1], *[1]Universidad de los Andes, Colombia*
D3 - 4C - Applications of Travel Behaviour Analysis and Demand Modelling Approaches D3-OS7, Spatial and Temporal Dimensions Room: NB129 Session Chair: Laetitia Dablanc		
13:30-13:50	D3-4C1®	**Understanding seasonal variation in an individual's activity participation and trip generation by using four consecutive two-week travel diary** N. Ahmad Termida[1], Y.O. Susilo[1]*, J.P. Franklin[1], C.X. Liu[1], *[1]KTH Royal Institute of Technology, Sweden*
13:50-14:10	D3-4C2®	**Measuring what constitutes the travellers' familiar areas and how it changes overtime** W. Zhang[1]*, N. Ahmad Termida[1], Y.O. Susilo[1], *[1]KTH Royal Institute of Technology, Sweden*

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14:10-14:30	D3-4C3®	**Investigation of commute departure time to understand the impacts of part-day telecommuting on the temporal displacement of commute travel** H. Asgari[1], X. Jin[1]*, [1]*Florida International University, USA*
14:30-14:50	D3-4C4	**Spatial and demographic sub-markets informing preferences for electric vehicles in Canada** C.D. Higgins[1]*, M. Mahmoud[1], M.R. Ferguson[1], P.S. Kanaroglou[1], [1]*McMaster University, Canada*
14:50-15:10	D3-4C5®	**Spatial dimensions of e-shopping in France** B. Motte-Baumvol[1], C. Belin-Munier[1], L. Belton-Chevallier[2], L. Dablanc[2]*, E. Morganti[3], [1]*University of Bourgogne, France,* [2]*IFSTTAR University of Paris-East, France,* [3]*ParisTech, France*
D3 - 4D - Applications of Travel Behaviour Analysis and Demand Modelling Approaches D3-OS8, Location, Travel, Active Travel Room: NB129 Session Chair: Xinyu (Jason) Cao		
15:30-15:50	D3-4D2®	**Stated versus revealed residential location choices in response to job resettlement to new towns: A case study of Kunming, China** X. Yang[1], J. Day[1], C. Langford[2], C. Cherry[2], L. Jones[3], S.S. Han[1*], [1]*The University of Melbourne, Australia,* [2]*University of Tennessee, USA,* [3]*Valdosta State University, USA*
15:50-16:10	D3-4D1	**Changes of active travel over years - the role of a social marketing program** L. Ma[1]*, C. Mulley[1], [1]*University of Sydney, Australia*
16:10-16:30	D3-4D3®	**Modelling location choice behaviour for non-mandatory tours** D. Basu[1]*, K.J. Stefan[2], J.D. Hunt[3], M. McCoy[4], [1]*Indian Institute of Technology Bhubaneswar, India,* [2]*HBA Specto Incorporated, Canada,* [3]*University of Calgary, Canada,* [4]*University of California, USA*
16:30-16:50	D3-4D4®	**Examining the effects of the Hiawatha LRT on auto use in the Twin Cities** X. Cao[1]*, [1]*University of Minnesota, USA*
Thursday, 14 July		
D3 - 5A - Applications of Travel Behaviour Analysis and Demand Modelling Approaches D3-OS9, Other Econometrics and Combined Models? Room: NB129 Session Chair: Kostas G. Goulias		
08:30-08:50	D3-5A1®	**Modelling auto-mobility: Combining cohort analysis with panel data econometrics** R.G. Grimal[1]*, [1]*CEREMA, France*
08:50-09:10	D3-5A2®	**How to estimate the probability of rare long-distance car trips** P. Plötz[1]*, [1]*Fraunhofer Institute for Systems and Innovation Research ISI, Germany*
09:10-09:30	D3-5A3	**Greenhouse gas emissions estimation and policy evaluation: An application of integrated discrete-continuous car ownership model and moves** Y. Liu[1]*, C. Cirillo[1], [1]*University of Maryland, USA*
09:30-09:50	D3-5A4	**Longitudinal analysis of the dynamics of car ownership and travel in the Seattle metropolitan region** K.G. Goulias[1]*, E. McBride[1], J.H. Lee[1], A.W. Davis[1], [1]*University of California Santa Barbara, USA*

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D4: ICT, Activities, Time Use and Travel Demand		
Monday, 11 July		
D4 – 2C - ICT, Activities, Time Use and Travel Behavior I Room: NB114 Session Chair: Eran Ben-Elia		
13:30-13:50	D4-2C1	**Determinants of the complexity of the agenda of activities** C.A. Guevara Cue[2]*, C. Cartes[1], J.L. Cadena[1], *[1]Universidad de los Andes, Chile, [2]Universidad de Chile, Chile*
13:50-14:10	D4-2C2	**Aggregate cross-national analysis of the interactions between ICT and physical mobility** M. Bris[1], J. Pawlak[1]*, J.W. Polak[1], *[1]Imperial College London, UK*
14:10-14:30	D4-2C3	**Achieving cooperation through prescriptive travel information as a remedy for congested road networks** I.S. Klein[1]*, E. Ben-Elia[1], *[1]Ben-Gurion University of the Negev, Israel*
14:30-14:50	D4-2C4	**Creative industries, flexibility of work, and travel** J.R. Burkinshaw[1]*, *[1]University of Leeds, UK*
14:50-15:10	D4-2C5	Presentation withdrawn
D4 - 2D - ICT, Activities, Time Use and Travel Behavior II Room: NB114 Session Chair: Jacek Pawlak		
15:30-15:50	D4-2D1	**Does multimodal predictive and real time traffic information available on Smartphone induce behavioural changes? A living lab experiment on Montpellier Metropolis (France)** M. Stéphan[1], T. Blayac[1]*, M. Reymond[1], *[1]LAMETA, France*
15:50-16:10	D4-2D2®	**The effects of the multimodal real time information systems on the travel behaviour** C. Pronello[1]*, J.P.R. Veiga Simão[1], V. Rappazzo[1], *[1]Politecnico di Torino, Italy*
16:10-16:30	D4-2D3®	**Does the use of Smartphone influence travel outcome? An investigation on the determinants of the impact of Smartphone use on vehicle kilometres travelled** S. Jamal[1], M.A. Habib[1]*, N.A. Khan[1], *[1]Dalhousie University, Canada*
16:30-16:50	D4-2D4®	**Investigation of the relationship between the use of information, communication and multimedia technology whilst travelling on attitudes and opinions of travellers towards train services** Y. Yosritzal[1]*, D. Dissanayake[2], M. Bell[2], *[1]Andalas University, Indonesia, [2]Newcastle University, UK*
16:50-17:10	D4-2D5®	**Indonesian experience on travel time use on-board of commuter rail services** Y. Yosritzal[1]*, B.M. Adji[1], D. Dissanayake[2], *[1]Andalas University, Indonesia, [2]Newcastle University, UK*

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TOPIC E: TRANSPORT ECONOMICS AND FINANCE		
E1: Transport System Analysis and Economic Evaluation		
Monday, 11 July		
E1 – 2B - Evaluation of Public Passenger Transport Room: NB115 Session Chair: Füsun Ülengin		
10:50-11:10	E1-2B1®	**Evaluation of the bicycle as a feeder mode to regional train stations** F. Papon[1]*, J.M. Beauvais[2], S. Midenet[1], E. Come[1], N. Polombo[3], S. Abours[1], L. Belton-Chevallier[1], C. Soulas[1], *[1]IFSTTAR, France, [2]Jean-Marie Beauvais Consultants, France, [3]Université François Rabelais, France*
11:10-11:30	E1-2B2®	**A model for evaluating and comparing social cost of different public transport technologies with endogenous demand** X. Li[2]*, J. Preston[1], B. Shrestha[1], *[1]University of Southampton, UK, [2]Atkins Ltd, UK*
11:30-11:50	E1-2B3®	**Accessibility to public passenger transport services has to be provided by the human rights to mobility and equality.** B. Korže.[1]*, *[1]ILA, Slovenia, [2]Vienna International Arbitral Center, Slovenia*
11:50-12:10	E1-2B4	**Deriving business models for door-to-door mobility** J-B. Bonneville[1,2]*, *[1]Université Paris-Est, France, [2]SNCF, France*
E1 – 2C - Socio-Economic Impact of Transport Room: NB115 Session Chair: Eckhard Szimba		
13:30-13:50	E1-2C1®	**Can the popularization of electric vehicles reduce the emission of air pollutants in China?** Y. Wu[1]*, L. Zhang[2], *[1]Jinan University, China, [2]Guangdong Power Grid Corporation, China*
13:50-14:10	E1-2C2®	**Option price model and evaluation of time saving effect for emergency patient of heat stroke** M. Morisugi[1]*, R. Mori[1], N. Sakamoto[2], K. Nakajiama[3], E. Ohno[1], *[1]Meijo University, Japan, [2]Yamagata University, Japan, [3]University of Hyogo, Japan*
14:10-14:30	E1-2C3®	**From internal efficiency to societal benefits - Multi modal transport safety agency's socio-economic impact analysis** P.T. Mononen[1,2]*, P. Leviäkangas[1,3], H. Haapasalo[1], *[1]University of Oulu, Finland, [2]VTT Technical Research Centre of Finland Ltd, Finland, [3]Curtin University, Australia*
14:30-14:50	E1-2C4®	**Appraisal methodologies and the limits to speed gains** Y. Crozet[1]*, *[1]University of Lyon - Laboratory of Transport Economics, France*
14:50-15:10	E1-2C5®	**A frame study of correlation analysis between open macroeconomic system and container throughput** D.M. Yang[1]*, Y.F. Zhao[2], T. Yanagita[1], *[1]Graduate School of Frontier Science, The University of Tokyo, Japan, [2]Antai College of Economy and Management, Shanghai Jiaotong University, China*

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E1 - 2D - Evaluation of Transport Policies Room: NB115 Session Chair: Werner Rothengatter		
15:30-15:50	E1-2D1®	**Analysis of the impact of bilateral and transit quotas on international trade: An integrated maximum flow and gravity model approach** B. Cekyay[2], P. Toktas Palut[2], O. Kabak[3], F. Ulengin[1]*, O. Ozaydin[2], B. Ulengin[3], *[1]Sabanci University, Turkey, [2]Dogus University, Turkey, [3]Istanbul Technical University, Turkey*
15:50-16:10	E1-2D2®	**Urbanization and the transportation- growth nexus: Evidence from cross country panel data** R.P. Pradhan[1]*, *[1]Indian Institute of Technology Kharagpur, India*
16:10-16:30	E1-2D3®	**A decision support tool for the strategic assessment of transport policies - tool structure and key features** E. Szimba[1]*, B. Mandel[2], M. Kraft[1], J. Ihrig[1], *[1]Karlsruhe Institute of Technology (KIT), Germany, [2]MKmetric Gesellschaft für Systemplanung mbH, Germany*
16:30-16:50	E1-2D4	**"Building" a typology of modes of transport with an infrastructure funding and financing perspective** E.M. Moschouli[1]*, T.V. Vanelslander[1], *[1]University of Antwerp, Belgium*
16:50-17:10	E1-2D5®	**Impact of transport infrastructure on international competitiveness of Europe** A.J. Purwanto[1]*, C. Heyndrickx[1], J. Kiel[2], O. Betancor[3], M.P. Socorro[3], A. Hernandez[3], B. Pawlowska[5], P. Borkowkski[5], J.L. Eugenio-Martin[4], R. Fiedler[6], *[1]Transport & Mobility Leuven, Belgium, [2]Panteia, The Netherlands, [3]Fedea, Spain, [4]Universidad de Las Palmas de Gran Canaria, Spain, [5]University of Gdansk, Poland, [6]Fraunhofer CML, Germany*
Tuesday, 12 July		
E1 - 3A - Assessment and Evaluation of Logistics Systems Room: NB115 Session Chair: Aseem Kinra		
08:30-08:50	E1-3A1	**The assessment of national logistics systems: A text analytics approach for assessing system complexity** A. Kinra[1]*, R. Mukkamala[1], R. Vatrapu[1], *[1]Copenhagen Business School, Denmark*
08:50-09:10	E1-3A2®	**A method for measuring and valuing transport time variability in logistics and cost benefit analysis** M. Andersson[2], M. Berglund[2], J. Floden[1]*, C. Persson[2,3], J. Waidringer[4,5], *[1]University of Gothenburg, Sweden, [2]WSP, Sweden, [3]KTH Royal Institute of Technology, Sweden, [4]Logistics Landscapers, Sweden, [5]Centre for Complexity, Operations and Logistics Management, Sweden*
09:10-09:30	E1-3A3®	**Finding the right way - a new approach for route selection processes?** S. Tischler[1]*, *[1]University of Innsbruck, Austria*
09:30-09:50	E1-3A4	**Econometric Benchmarking of Metro Operating Costs: Methods and Applications.** R.B.A. Brage-Ardao[1]*, D.J.G. Graham[1], R.J.A. Anderson[1], *[1]Imperial College London, UK*
09:50-10:10	E1-3A5®	**Benefits from constructability reviews** N. Stamatiadis[1]*, R. Sturgill[1], K. Amiridis[1], *[1]University of Kentucky, USA*

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E1 – 3B - Evaluation of Transport Investment Projects Room: NB115 Session Chair: Alain Bonnafous		
10:30-10:50	E1-3B1	**Value of reliability and cost-benefit analysis: A diffusion effect** T. Blayac[1], M. Stéphan[1]*, *[1]University of Montpellier, France*
10:50-11:10	E1-3B2	**Wider economic impacts of transport infrastructure investments: Relevant or negligible?** W. Rothengatter[1]*, *[1]Karlsruhe Institute of Technology, Germany*
11:30-11:30	E1-3B3®	**Dynamic multiplier of transportation improvement benefit using dynamic SCGE model** Y. Higashiyama[1]*, H. Morisugi[1], A. Fukuda[1], S. Muto[2], *[1]Nihon University, Japan, [2]Yamanashi University, Japan*
11:30-11:50	E1-3B4®	**A spatial regression model of economic growth, spillover and productivity dynamics** C. Xiong[1]*, W. Guo[2], L. Zhang[1], *[1]University of Maryland, USA, [2]World Bank, USA*
11:50-12:10	E1-3B5®	**A global efficiency indicator for investments planning** A. Bonnafous[1]*, J. Brunel[2], G. Marlot[3], *[1]Laboratoire d'Economie des Transports (Lyon), France, [2]SNCF Réseau, France, [3]SNCF, France*
Wednesday, 13 July		
E1 - 4A - Evaluation of Railway Transport Room: NB115 Session Chair: John M. Preston		
08:30-08:50	E1-4A1®	**Can high-speed rail have a transformative effect on the economy?** R.W. Vickerman[1]*, *[1]University of Kent, UK*
08:50-09:10	E1-4A2®	**Value Measurement and Capture of High-speed Railway Station Comprehensive Development Based on Cross-domain Bonus** X-Y. Lin[1]*, X. Zhou[1], Z-S. Kuang[1], S. Luo[1], *[1]Beijing Jiaotong University, China*
09:10-09:30	E1-4A3®	**Spillover Effects of China's Railway Transportation on Industries** Y.D. Zhou[1]*, X.Y. Ou[1], Y.M. Hu[1], *[1]Beijing Jiaotong University, China*
09:30-09:50	E1-4A4®	**Risk analysis and high speed rail projects in France: The impacts of an expected economic slowdown** T. Limon[1,2]*, Y. Crozet[1], *[1]University of Lyon, France, [2]Ministry of Transport, France*
09:50-10:10	E1-4A5®	**Wider economic impacts (wei) of high-speed rail: Proposition of an assessment method applied to Bretagne Pays de Loire high speed line** C. Chèze[1]*, R. Nègre[2], *[1]Transport Economics Laboratory, France, [2]Space and Societies Laboratory (University of Rennes 2), France*
E1 - 4C - Evaluation of Road Projects and their Impact Room: NB115 Session Chair: TBC		
13:30-13:50	E1-4C1®	**Empirical estimation of the variability of travel time** C. Coupe[1]*, H. Le Maitre[1], S. Benelli[2], *[1]French Ministry of Transport, France, [2]CEREMA, France*
13:50-14:10	E1-4C2®	**Technical and economical evaluation of E-ticketing in Tehran bus network** H. Alenoori[2,1], B. Mirbaha[2,1]*, N. Amirpashaei[1], *[1]Tarahan Parseh Research Institute, Iran, [2]Imam Khoemeini International University, Iran*

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14:10-14:30	E1-4C3	**Accounting access equity impacts of transport projects: Towards a wider assessment in the Latin American context** M. Niehaus[1,2]*, P.A. Galilea[1,2], R. Hurtubia[1,2], [1]*Universidad Católica de Chile, Chile,* [2]*Centro de Desarrollo Urbano Sustentable, Chile*
14:30-14:50	E1-4C4	**A stated preference model to value reductions in community severance** P.R. Anciaes[1]*, P. Jones[1], S. Orr[1], R. Sheldon[2], A. Lawrence[2], P.J. Metcalfe[3], [1]*University College London, UK,* [2]*Accent, UK,* [3]*PJM Economics, UK*
E1 - 4D - Evaluation of Passenger Transport System Room: NB115 Session Chair: Yves Crozet		
15:30-15:50	E1-4D1®	**Determination of switching costs of air transportation services in Brazil** W.V. Vieira[1]*, M.A. Mendonça[1], F.T. Torres[1], W.C. Luciano Carvalho[1], [1]*Federal University of Goiás, Brazil*
15:50-16:10	E1-4D2	**Measuring the value of integrated air bus services in the regional transport context** R.M. Merkert[1], M.B. Beck[1]*, [1]*University of Sydney, Australia*
16:10-16:30	E1-4D3®	**Quantification of the air transport industry socio-economic impact on regions heavily dependent on tourism** D. Dimitriou[1]*, J. Mourmouris[1], M. Sartzetaki[1], [1]*Democritus University of Thrace, Greece*
16:30-16:50	E1-4D4	**Cost-effective optimisation of the public transport system of urban areas: Study of the Bucharest public transport system** A.M.C. Ciobica[1,2]*, A.E.R. Roman[1,2], I.S.M. Mitroi[1,2], V.C.R. Roman[1], [1]*University Politehnica of Bucharest, Romania,* [2]*CODATU din Romania, Romania*
16:50-17:10	E1-4D5®	**Can policy measures foster plug-in electric vehicle market diffusion?** P. Plötz[1]*, T. Gnann[1], [1]*Fraunhofer Institute for Systems and Innovation Research ISI, Germany*

E2: Transport Pricing		
Monday, 11 July		
E2 – 2B- Transport Pricing in Practice Room: NB116 Session Chair: Rafael Olarte		
10:50-11:10	E2-2B1®	**Introducing and testing a game-theoretic model for a lottery-based metering system in Minneapolis, United States** R. Olarte[1]*, A. Haghani[1], [1]*University of Maryland, College Park, USA*
11:10-11:30	E2-2B2®	**Incorporating attitudinal aspects in roadway pricing analysis** M.S. Hossan[1], H. Asgari[1], K. Shams[1], X. Jin[1]*, [1]*Florida International University, USA*
11:30-11:50	E2-2B3®	**Responses of drivers and motorcyclists to congestion charge** Y.C. Chiou[1]*, C. Fu[1], [1]*National Chiao Tung University, Taiwan*

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E3: Transport Economic Regulation		
Monday, 11 July		
E3 – 2B - Public-Private Partnership Assessment Room: NB117 Session Chair: Marco Ponti		
10:50-11:10	E3-2B1®	**Investment risk assessment and modelling of ppp based Indian highway infrastructure projects** L. Kumar[1], A. Jindal[1], N.R. Velaga[1]*, *[1]Indian Institute of Technology (IIT) Bombay, India*
11:10-11:30	E3-2B2	**The evolution of private public partnerships (PPP) for transport projects delivery in Greece: Success stories in recession** A. Roumboutsos[1], P. Moraiti[1]*, I. Karousos[1], S. Kapros[1], K. Trapali[1], *[1]University of the Aegean, Greece*
11:30-11:50	E3-2B3®	**The Las Vegas monorail bankruptcy: Opportunistic behavior using non-profit entities in Public-Private Partnerships** J. Gifford[1]*, L. Bolaños[1], M. Transue[1], *[1]George Mason University, USA*
11:50-12:10	E3-2B4®	**Renegotiation of transportation Public-Private Partnerships (P3s): The U.S. Experience** J. Gifford[1]*, N. Daito[1], L. Bolaños[1], M. Transue[1], *[1]George Mason University, USA*
E3 – 2C - Railways Regulation Room: NB117 Session Chair: Paolo Beria		
13:30-13:50	E3-2C1®	**Eliciting the regulation of an economic system: The case of the French rail industry** M. Ivaldi[1]*, J. Pouyet[2], *[1]Toulouse School of Economics, France, [2]Paris School of Economics, France*
13:50-14:10	E3-2C2®	**The HSR competition in Italy: How are the regulatory design and practices concerned?** C. Desmaris[1]*, F. Croccolo[2], A. Patuelli[3], *[1]University of Lyon - LET, France, [2]Ministry of Infrastructures and Transport, Italy, [3]University of Pisa, Italy*
14:10-14:30	E3-2C3®	**Market structure and partnership levels in air-rail cooperation** C. Jiang[1]*, Y. Wan[2], T. D'Alfonso[3], *[1]University of Mantoba, Canada, [2]Hong Kong Polytechnic University, Hong Kong, [3]Sapienza Università di Roma, Italy*
14:30-14:50	E3-2C4	**Assessment of the return of investment and level of incentive for retrofitting of freight wagons as a result of the implementation of noise abatement strategies** M. Price[1]*, M. Vaerst[2], *[1]UIP, Belgium, [2]Railmind, Switzerland*
14:50-15:10	E3-2C5	**Towards a liberalised European rail transport: Analysing and modelling the impact of competition on productive efficiency** E.B.T. Emmanuel*, Y.C. Yves, *University of Lyon, France*
E3 - 2D - Public Transport Regulation Room: NB117 Session Chair: Francesco Ramella		
15:30-15:50	E3-2D1	**Subsidizing and regulating public transit firms considering costly public funds** Y. Sun[1], Q. Guo[1,2]*, P. Schonfeld[1], Z. Li[1], *[1]University of Maryland, USA, [2]Sun Yat-sen University, China*

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15:50-16:10	E3-2D2®	**Assessing standard costs in local public bus transport: A hybrid cost model** A. Avenali[1], A. Boitani[2], G. Catalano[1], T. D'Alfonso[1], G. Matteucci[1]*, *[1]Sapienza University of Rome, Italy, [2]Università Cattolica del Sacro Cuore, Italy*
16:10-16:30	E3-2D3	**A demand analysis of regulated taxicab market: Evidence from Japan** T. Goto[1]*, *[1]Kinki University, Japan*
Tuesday, 12 July		
E3 – 3B- Transport Investments and Property Developments Room: NB117 Session Chair: Marco Ponti		
10:30-10:50	E3-3B1®	**Rail plus property development in China: The pilot case of Shenzhen** L.L. Xue[1]*, W.L. Fang[1], *[1]WRI Ross Center for Sustainable Cities, the World Resources Institute, China*
10:50-11:10	E3-3B2	**Evaluating public and private partnerships for joint railway and property development via option pricing** K.F. Ng[1], H.K. Lo[1]*, *[1]The Hong Kong University of Science and Technology, Hong Kong*
11:10-11:30	E3-3B3®	**Transport infrastructure business models: New sources of funding and financing** A. Roumboutsos[1]*, T. Gouin[3], P. Leviäkangas[4], G. Mladenovic[5], P.F. Nouaille[3], J. Voordijk[2], P. Moraiti[1], I. Cardenas[2], *[1]University of the Aegean, Greece, [2]University of Twente, The Netherlands, [3]CEREMA, France, [4]University of Oulu, Finland, [5]University of Belgrade, Serbia*

TOPIC F: TRANSPORT, LAND USE AND SUSTAINABILITY		
F1a: Land Use and Transport Planning and Policy		
Monday, 11 July		
F1a – 2B - Travel Behavior Room: NB118 Session Chair: Kostas Goulias		
10:50-11:10	F1a-2B1®	**How does parking interplay with land use and affect car commuting? Evidence from Shenzhen, China** Q. Liu[1]*, P. Chen[3], J. Wang[2], *[1]Shenzhen University, China, [2]The University of Hong Kong, Hong Kong, [3]University of Washington, USA*
11:10-11:30	F1a-2B2®	**Effects of multi-level urban form on commuting mode share in rail station areas across the United States; A seemingly unrelated regression approach** A. Nasri[1]*, L. Zhang[1], *[1]University of Maryland, USA*
11:30-11:50	F1a-2B3®	**Analysis of neighborhood effects on immigrants' mode choice behavior** H. Asgari[1], N. Zaman[1], X. Jin[1]*, *[1]Florida International University, USA*
11:50-12:10	F1a-2B4	**Impact of megacity jobs-housing spatial mismatch on commuting behaviors: A case study on central districts of Shanghai, China** X. Zhou[1,2]*, X.H. Chen[1], T.R. Zhang[2], *[1]Tongji University, China, [2]Shanghai Urban Planning and Design Research Institute, China*

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F1a – 2C - Life Choice Room: NB118 Session Chair: Junyi Zhang		
13:30-13:50	F1a-2C1®	**The impact of light-rail development on quality of life in a low-density built environment – the case study of Canberra, Australia** H. Nakanishi[1]*, K. Nakamura[2], M. Kii[2], *[1]University of Canberra, Australia, [2]Kagawa University, Japan*
13:50-14:10	F1a-2C2®	**Empirical analyses of the industrial relocation and the quality of life of the employees in a Chinese city** Z.Z. Yang[1], P.F. Xu[1]*, *[1]Dalian Maritime University, China*
14:10-14:30	F1a-2C3	**WAM - residence - work - mobility: Spatial structure and mobility choices in metropolitan regions** G. Wulfhorst[1], A. Thierstein[1], M. Bentlage[1], S. Klug[1], J. Kinigadner[1], L. Sterzer[1], B. Büttner[1]*, *[1]Technische Universitaet Muenchen (TUM), Germany*
14:30-14:50	F1a-2C4®	**Exploring transportation networks relationship to healthcare access and as affected by urban sprawl** I. Bejleri[1], R.L. Steiner[1]*, S. Yoon[1], J. Harman[3], D.F. Neff[2], *[1]University of Florida, USA, [2]University of Central Florida, USA, [3]Florida State University, USA*
14:50-15:10	F1a-2C5®	**Correlation or cause? The limitations of population density as an indicator for public transport viability in the context of a rapidly growing developing city** S. Cooke[1]*, R. Behrens[1], *[1]University of Cape Town, South Africa*
F1a - 2D - Transportation Model Room: NB118 Session Chair: Liming Wang		
15:30-15:50	F1a-2D1®	**The effect of transportation on tourism promotion: Literature review on application of Computable General Equilibrium (CGE) Model** N.V. Truong[1]*, T. Shimizu[1], *[1]Tokyo Metropolitan University, Japan*
15:50-16:10	F1a-2D2®	**The application of integrated multimodal metropolitan transportation model in urban redevelopment for developing countries** Y. Wang[1]*, S. Mishra[1], X. Ye[2], L. Li[1], B. Wu[1], *[1]Tongji University, China, [2]University of Memphis, USA*
16:10-16:30	F1a-2D3	**Study on the Adaptive Traffic Signal Control Based on Traffic Information Collected from GPS Probe Data** N. Srisakda[1]*, A. Fukuda[1], T. Ishizaka[1], *[1]College of Science and Technology, Nihon University, Japan*
16:30-16:50	F1a-2D4	**An analysis of agglomeration effects in the proximity of metrorail stations in the Washington, D.C. metropolitan area** H. Iseki*, H. Eom, C. Greene, R. Jones, *University of Maryland College Park, USA*
Tuesday, 12 July		
F1a - 3A - Travel Mode Room: NB118 Session Chair: Xia Jin		
08:30-08:50	F1a-3A1®	**Do old people living in suburbs suffer more mobility problems?** H.X. Pan[1], Y. Gao[1]*, P. Chen[2], *[1]Tongji University, China, [2]University of Washington, USA*

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08:50-09:10	F1a-3A2®	**The impact of urban morphology on urban transportation mode** H.Y. Zhou[1]*, H.W. Gao[1], *[1]Beijing JiaoTong University, China*
09:10-09:30	F1a-3A3®	**Transit oriented development and its impact on level of service of roads & METRO: A case study of Mumbai Metro Line-I** C. Shirke[1]*, G. Joshi[1], V. Kandala[2], S. Arkatkar[1], *[1]Sardar Vallabhbhai National Institute of Technology, India, [2]Mumbai Metropolitan Region Development Authority, India*
09:30-09:50	F1a-3A4®	**Feeder network design for mass transit system in developing countries (Case study of Lahore, Pakistan)** S. Tabassum[1]*, S. Tanaka[1], F. Nakamura[1], R. Ariyoshi[1], *[1]Yokohama National University, Japan*
09:50-10:10	F1a-3A5	**Influence factors of ridership scale surrounding subway stations for the municipality of Beijing: A nonparametric regression approach** J. Deng[2], M. Xu[1]*, *[1]Beijing Jiaotong University, China, [2]Beijing Urban Construction Design & Development Group Co., China*
F1a - 3B - Urban Regeneration Room: NB118 Session Chair: Pengjun Zhao		
10:30-10:50	F1a-3B1®	**New Practice of TOD -The model of design and multi-use development of transport complex of Changyang metro station** Y. Lu[1]*, X. Ren[1], C. Ji[2], S. Jin[2], *[1]Beijing Jiaotong University, China, [2]Beijing Infrastructure Investment Co.,Ltd., China*
10:50-11:10	F1a-3B2	**Developing a TOD typology for Beijing metro station areas** G. Lyu[1]*, L. Bertolini[1], K. Pfeffer[1], *[1]University of Amsterdam, The Netherlands*
11:10-11:30	F1a-3B3	**Integrating transport and regeneration - A new framework to capture wider regeneration benefits of rail improvement in deprived towns: A case study of the Blackpool South Fylde Line, UK** C.L. Chen[1]*, *[1]UCL, UK*
11:30-11:50	F1a-3B4®	**Niterói's central area urban redevelopment: Planning to achieve sustainable mobility in Rio de Janeiro metropolitan area** J.R. Barandier Jr.[1]*, *[1]Niterói Municipal Secretariat for Urban Planning and Mobility, Brazil*
F1a - 3D - Economic Development Room: NB118 Session Chair: Jiangping Zhou		
15:30-15:50	F1a-3D1®	**Structural comparison and enlightenment for regional rails in metropolitan area** J. Jiang[1]*, J.H. Song[1], Y. Shao[1], *[1]Shenzhen Urban Transport Planning Center, China*
15:50-16:10	F1a-3D2®	**Does high speed rail affect the behaviour of firms located in districts around central stations? The results of two surveys conducted in Rheims in 2008 and 2014** M. Delaplace[2]*, S. Bazin[1], C. Beckerich[1], *[1]University of Rheims, France, [2]University of Paris-Est Marne la Vallée, France*
16:10-16:30	F1a-3D3®	**Access to jobs and apartment rents** J-J. Lin[1]*, Y-C. Cheng[1], *[1]National Taiwan University, Taiwan*

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16:30-16:50	F1a-3D4	**A value planning framework for predicting land value uplift and value capture in rapid transit station areas** C.D. Higgins[1]*, P.S. Kanaroglou[1], *[1]McMaster University, Canada*
16:50-17:10	F1a-3D5®	**The potential of Adelaide's proposed new public transit system Adelink to transform Adelaide into a Transit Oriented Metropolis** A.S. Allan[1]*, *[1]University of South Australia, Australia*

F1b: Land Use, Transport and Environment Interactions and Modelling		
Monday, 11 July		
F1b – 2B - Spatial Development Room: NB119 Session Chair: Muhanmmad Ahsanul Habib		
10:50-11:10	F1b-2B1®	**The analysis of space use around the Shanghai metro stations using dynamic data from mobile applications** Z. Ye[1,4]*, Z. Wu[1], Y. Chen[2], L. Zhang[3], *[1]Tongji University, China, [2]Tongji Urban Planning and Design Institute, China, [3]Tianhua Urban Planning & Design Ltd., China, [4]East China Architecture Design & Research Institute, China*
11:10-11:30	F1b-2B2®	**Comparative analysis of QOL in station areas between cities at different development stages, Bangkok and Nagoya** K. Nakamura[1]*, H. Morita[2], V. Vichiensan[3], T. Togawa[4], Y. Hayashi[5], *[1]Kagawa University, Japan, [2]Nippon Engineering Consultants, Japan, [3]Kasetsart University, Thailand, [4]National Institute for Environmental Studies, Japan, [5]Nagoya University, Japan*
11:30-11:50	F1b-2B3®	**Application of the concept of transit oriented development to a suburban neighbourhood** A.V. Sohoni[1], M. Thomas[1], K.V.K. Rao[1]*, *[1]Indian Institute of Technology Bombay, India*
F1b – 2C - Public Transport Room: NB119 Session Chair: K V Krishna Rao		
13:30-13:50	F1b-2C1	**How to get out of the vulnerability situation to the costs of the daily mobility? Beyond the very limited solution through public transport** D. Caubel[1]*, J. Clairet[1], *[1]Cerema- DTerCE, France*
13:50-14:10	F1b-2C2®	**Quantifying dimensions of transportation diversity: A city-based comparative approach** P. Pareekh[1], S. Mitra[1]*, B.B. Majumdar[1], *[1]IIT Kharagpur, India*
14:10-14:30	F1b-2C3®	**The impact of mass transit on public security - A study of bay area rapid transit in San Francisco** D. Wang[1]*, *[1]Shanghai Jiguang College, China*
14:30-14:50	F1b-2C4®	**Modelling of commuter satisfaction level for ITS based public transport system in Indian city** N.K. Raval[1], J. Nataraju[2]*, E. Madhu[2], P. Prajapati[1], A. Mohan Rao[2], *[1]The Maharaja Sayajirao University of Baroda, India, [2]CSIR-Central Road Research Institute, India*

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F1b - 2D - Travel Behavior Room: NB119 Session Chair:		
15:30-15:50	F1b-2D1	**Microscopic destination choice: Incorporating travel time budgets as constraints** A. Moreno[1]*, R. Moeckel[1], *[1]Technical University of Munich, Germany*
15:50-16:10	F1b-2D2®	**Building a Neuro-fuzzy based route choice model in metropolitan context: Surat City in India** S. Dhulipala[1], A.S. Kedia[1]*, P.S. Salini[1], B.K. Katti[1], *[1]SV National Institute of Technology, India*
16:10-16:30	F1b-2D3®	**Which factors play a key role in the spatial interactions between different micro regions? An empirical study based on O-D travel surveys in Hungary** V. Oszter[1]*, *[1]KTI Institute for Transport Sciences, Hungary*
Tuesday, 12 July		
F1b - 3A - Traffic and Safety Room: NB119 Session Chair: Yongjun Shen		
08:30-08:50	F1b-3A1	**Space consumption of transport according to their speed** F. Heran[1]*, *[1]University of Lille, France*
08:50-09:10	F1b-3A2®	**Estimating and predicting spatial crash frequency utilizing multivariate datasets** L. Dimitriou[1]*, C. Antoniou[2], D. Efthymiou[2], *[1]University of Cyprus, Cyprus, [2]National Technical University of Athens, Greece*
09:10-09:30	F1b-3A3®	**Classifying pedestrian crowding index with los using normal-cloud theory** J.B. Zhou[1]*, S. Dong[1,2], U. Plank-Wiedenbeck[2], L. Zhao[4], S.C. Zhang[1], *[1]Ningbo University of Technology, China, [2]Bauhaus-University Weimar, Germany, [3]Tongji University, China, [4]University of Nebraska Lincoln, USA*
F1b - 3B - Transportation and Finance Room: NB119 Session Chair: Heng Wei		
10:30-10:50	F1b-3B1®	**Congestion in urban areas: A difficult trade-off between financing and accessibility?** A. Mercier[1]*, X. Comte[1], B. Faivre D'Arcier[1], N. Ovtracht[1], T. Tran[1], *[1]Transport Economics Laboratory - University of Lyon, France*
10:50-11:10	F1b-3B2®	**Urban land use equilibrium analyses considering diversified business and train operation of a railway company** T. Suzuki[1]*, *[1]Chukyo University, Japan*
11:10-11:30	F1b-3B3®	**Transportation cost index: A comprehensive multimodal performance measure of transportation and land use systems** L. Wang[1]*, B. Reiff[3], B. Gregor[2], H. Yang[1], J. Liu[1], *[1]Portland State University, USA, [2]Oregon Metro, USA, [3]Oregon Analytics, USA*
11:30-11:50	F1b-3B4®	**Type choice behavior of alternative fuel vehicles: A latent class model approach** N.A. Khan[1], M.R. Fatmi[1], M.A. Habib[1]*, *[1]Dalhousie University, Canada*

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F1b - 3D - Energy and Environment Room: NB119 Session Chair: Ming Zhong		
15:30-15:50	F1b-3D1®	**Influence of accessibility, land use and transport policies on the transport energy dependence of a city** G. Inturri[1], M. Ignaccolo[1], M. Le Pira[1]*, S. Caprì[1], N. Giuffrida[1], *[1]University of Catania, Italy*
15:50-16:10	F1b-3D2®	**Modelling household travel energy consumption and CO2 emissions based on the spatial form of neighborhoods and streets: A case study of Jinan, China** Y. Jiang[1,2]*, P-Q. Gu[2], D-Q. He[3], Y-L. Chen[1], Q-Z. Mao[1], *[1]Tsinghua University, China, [2]China Sustainable Transportation Center, China, [3]The Energy Foundation Beijing Office, China*
16:10-16:30	F1b-3D3®	**Joint optimization on logistics infrastructure investment and CO_2 emission taxes in a sustainable urban logistics network : A goal programming approach** D.Z. Zhang[1]*, X.L. Li[1], Y.C. Chen[2], S.Y. Li[3], *[1]Central South University, China, [2]National Renewable Energy Laboratory, USA, [3]Central South University of Forestry and Technology, China*
Wednesday, 13 July		
F1b - 4B - Air Pollution Room: NB119 Session Chair: Takaji Suzuki		
10:30-10:50	F1b-4B1®	**Methodology for characterizing vehicle fleet composition and its territorial variability, needed for assessing Low Emission Zones** M. André[1], M. Carteret[2], A. Pasquier[1]*, Y. Liu[1], *[1]IFSTTAR, France, [2]Université of Savoie, France*
10:50-11:10	F1b-4B2®	**The concentration distribution of exposures to particulate air pollution on different road sections** H. Hu[1,2]*, T. Li[1,2], X. Chen[1,2], *[1]Iangsu Key Laboratory of Urban ITS, China, [2]Jiangsu Province Collaborative Innovation Center of Modern Urban Traffic Technologies, China*
11:10-11:30	F1b-4B3®	**Considering criteria related to spatial variabilities for the assessment of air pollution from traffic** A. Pasquier[1]*, M. André[1], *[1]IFSTTAR, Transport and Environment Laboratory, France*
F1b - 4C - Urban Modeling Room: NB119 Session Chair: Ana Tsui Moreno Chou		
13:30-13:50	F1b-4C1®	**Optimisation-based calibration and model selection for the Tranus land use module** T. Capelle[1,3]*, P. Sturm[1,3], A. Vidard[1,3], B.J. Morton[2], *[1]Inria, France, [2]University of North Carolina at Chapel Hill, USA, [3]University Grenoble Alpes, France, [4]CNRS, France*
13:50-14:10	F1b-4C2	**A Micro-Simulation Model of Households to Evaluate Quality of Life in a Suburban Area developed with a Railway Line** N. Sugiki[2]*, K. Miyamoto[1], A. Kashimura[1], N. Otani[1], *[1]Tokyo City University, Japan, [2]Toyohashi University of Technology, Japan*

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14:10-14:30	F1b-4C3	**A summary of design and development strategies of Wuhan PECAS demo model** M. Zhong[1]*, J.D. Hunt[2], J.Z. Li[3], W. Yang[3], J.E. Abraham[1], *[1]Wuhan University of Technology, China, [2]University of Calgary, Canada, [3]Wuhan Transportation Planning Institute, China*
14:30-14:50	F1b-4C4®	**Modelling of dynamics complexity of land use and transport in Megapolitan urban fringe (Case of Bekasi City)** N. Noviandi[1]*, P. Pradono[1], M. Tasrif[1], I. Kusumantoro[1], *[1]Bandung Institute Of Technology, Indonesia*
14:50-15:10	F1b-4C5	**Integrating policy objectives to transport and land use modelling** L. Meng[1], R.L. Han[2]*, *[1]University of South Australia, Australia, [2]Government of Western Australia, Australia*
F1b - 4D - Spatial Analysis Room: NB119 Session Chair: Andrew Allan		
15:30-15:50	F1b-4D1®	**Procedural modelling of urban layout: Population, land use, and road network** X. Lyu[1]*, Q. Han[1], B. Vries[1], *[1]Technology University of Eindhoven, The Netherlands*
15:50-16:10	F1b-4D2	**Modelling spatial transformation of cities using clustering techniques: Case study of Istanbul's multicentric development** D. Akin[1]*, *[1]Gediz University, Turkey*
16:10-16:30	F1b-4D3®	**Analysis on urban expansion in major metropolises in China: Application of remote sensing data and urban economic model** Z. Gao[1]*, M. Kii[1], A. Nonomura[1], K. Nakamura[1], *[1]Kagawa University, Japan*
16:30-16:50	F1b-4D4®	**Development of a suitability model for estimation of global urban land cover** M. Kii[1]*, K. Nakamura[1], *[1]Kagawa University, Japan*

F2a: Urban Environment, Liveability and Non-Motorised Transport

Monday, 11 July

F2a – 2B - Bicycle Share and Electric Bicycles Room: NB120 Session Chair: Charles Raux		
10:50-11:10	F2a-2B1	**A More Sustainable Minivan? An Exploratory Study of Electric Bicycle Use by San Francisco Bay Area Families** A.C. Thomas[1]*, *[1]University of California-Davis, USA*
11:10-11:30	F2a-2B2®	**Demand and cost structure analyses on Japanese successful bicycle sharing system called "Ekirin-kun" to install cycle ports at railway stations** Y. Tomita[1]*, A. Nakayama[2], *[1]Kinki University, Japan, [2]Universiti Tunku Abdul Rahman, Malaysia*
11:30-11:50	F2a-2B3	**BSS in Lyon ten years after its creation: News usages? Wider public? What kind of social benefits?** L. Merchez[1]*, M. Vogel[1], J. Barnier[1], *[1]ENS de Lyon, France*
11:50-12:10	F2a-2B4®	**Who are bike sharing schemes members and do they travel differently? The case of the Lyon's "Velo'v" scheme** C. Raux[1]*, A. Zoubir[1], *[1]University of Lyon, France*

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F2a – 2C - Emissions and Health Room: NB120 Session Chair: Eva Heinen		
13:30-13:50	F2a-2C1	**Probability model of Hydrocarbon (HC) from motorcycle emissions** A.M. Mulyadi[1]*, [1]*Ministry of Public Works and Housing, Indonesia*
13:50-14:10	F2a-2C2®	**Impacts of low emission zones in Germany on air pollution levels** W. Jiang[1]*, M. Boltze[1], S. Groer[1], D. Scheuvens[1], [1]*Technische Universität Darmstadt, Germany*
14:10-14:30	F2a-2C3	**Consideration of health impacts from active transportation in transport system planning** M. Lüke[1]*, [1]*Transport Planning and Traffic Engineering, Technische Universität Darmstadt, Germany*
F2a - 2D - Mode Choice Room: NB120 Session Chair: Seraphim Kapros		
15:30-15:50	F2a-2D1	**Proactive sustainable university transportation? Marginal effects, intrinsic values and university students' mode choice** J. Zhou[1]*, [1]*University of Queensland, Australia*
15:50-16:10	F2a-2D2®	**Neighborhood form, food market and residents' walk and bike access patterns: Evidence from Beijing, China** Y-L. Chen[1]*, [1]*Tsinghua University, China*
16:10-16:30	F2a-2D3	**Examining associations between socio-economic heterogeneity of passenger and public transit use** H-J. Eom[1]*, G-H. Cho[1], [1]*Ulsan National Institute of Science and Technology, Republic of Korea*
16:30-16:50	F2a-2D4®	**Factors influencing the use of a bicycle in insular regions** S. Kapros[1]*, A. Karamigkou[1], G. Tzavarinis[1], [1]*University of the Aegean, Greece*
Tuesday, 12 July		
F2a – 3B - Sustainability Room: NB120 Session Chair: Ian Jones		
10:30-10:50	F2a-3B1®	**Discussion on integrated traffic planning(ITP) of new tourism town upon sustainable development and liveable request** G.C. Li*[1], B.R. Li[2], M.Y. Ju[2], Z.J. Zhang[2], [1]Tongji University, China, [2]Shenzhen Key Laboratory of Traffic Information and Traffic Engineering, China
10:50-11:10	F2a-3B2	**Descriptive analysis of Korean cities' sustainable transport programs and projects** D.Y. Lee[1]*, S.I. Kim[1], S.K. Wu[1], [1]*Korea Transport Institute, Republic of Korea*
11:10-11:30	F2a-3B3®	**To densify or not to densify? Mobility and urban life quality in a developing city** D.E. Páez[1], J.P. Bocarejo[1]*, L.A. Guzmán[1], I.J. Portilla[1], D.F. Meléndez[1], A.A. Caviedes[1], [1]*Universidad de Los Andes, Colombia*
11:30-11:50	F2a-3B4	**Management, accessibility, service facility: Post Occupancy Evaluation of greenways in Chengdu, China** X. Mai[1]*, C. Wu[2], M. Yang[1], Z. Zhou[1], [1]*Southwest University for Nationalities, China, [2]Sichuan University, China*

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11:50-12:10	F2a-3B5	**Potential for transition to non-motorised transport in a developing context: Case of Lima, Peru** D.R. Oviedo Hernandez[1]*, A. Ortegon[1], *[1]University College London, UK*
F2a - 3D - Walking and Cycling: Preferences, Behaviour and Safety Room: NB120 Session Chair: Keith Christensen		
15:30-15:50	F2a-3D1	**Cyclist behaviour towards different cycle-path intersections: The case of Santiago de Chile** P. Galilea[1], N. Waintrub[1], M. Niehaus[1]*, R. Vega[1], C. Peña[1], *[1]Pontificia Universidad Católica de Chile, Chile*
15:50-16:10	F2a-3D2®	**A stated preference analysis on bicycle user's perception on cycling safety and its policy implications in Korean contexts** S. Lee[1]*, G. Kim[1], *[1]Korea Transport Institute, Republic of Korea*
16:10-16:30	F2a-3D3	**The influence of built environment on perceived walkability and walking behaviour in Taiwan** C.P. Liu[1]*, H. Titheridge[1], *[1]University College London, UK*
16:30-16:50	F2a-3D4	**Macroscopic investigation of pedestrian traffic safety: Focusing on the residence and crash zones** J. Lee[1], M. Abdel-Aty[1]*, K. Choi[2], H. Huang[3], *[1]University of Central Florida, USA, [2]Ajou University, Republic of Korea, [3]Central South University, China*
16:50-17:10	F2a-3D5®	**Capacity analysis of pedestrian queuing facilities involving individuals with disabilities** M.S. Sharifi[1], K.M. Christensen[1]*, A. Chen[1], D. Stuart[1], *[1]Utah State University, USA*

F2b: Transport and Climate Change		
Monday, 11 July		
F2b – 2B - Climate Change Policies Room: NB121 Session Chair: Oliver Lah		
10:50-11:10	F2b-2B1®	**Evaluation for impacts of introducing the roadmap to realize low carbon society by using transportation and land use model: A Case Study of Niigata, Japan** H. Kikuchi[1]*, A. Fukuda[2], T. Ishizaka[2], *[1]Graduate School of Nihon University, Japan, [2]Nihon University, Japan*
11:10-11:30	F2b-2B2	**The role of taxes in triggering change in corporate car fleets** V. Boutueil[1]*, *[1]Laboratoire Ville Mobilité Transport - Ecole des Ponts ParisTech / IFSTTAR / Université Paris-Est Marne-la-Vallée, France*
11:30-11:50	F2b-2B3®	**Transport adaptation policies in Europe: From incremental actions to long-term visions** A. Aparicio[1]*, *[1]Technical University of Madrid, Spain*
11:50-12:10	F2b-2B4®	**Measuring success: Sustainable development synergies and co-benefits of low-carbon transport measures** O.P. Lah[1]*, *[1]Wuppertal Institute for Climate, Environment and Energy, Germany*

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F2b – 2C - Electric Vehicles I Room: NB121 Session Chair: Patrick Jochem		
13:30-13:50	F2b-2C1®	**Mileage electrification potential of different electric vehicles in Germany** P. Plötz[1]*, S.A. Funke[1], *[1]Fraunhofer Institute for Systems and Innovation Research ISI, Germany*
13:50-14:10	F2b-2C2®	**Comparative environmental assessment of alternative fuelled vehicles using a life cycle assessment** J. Van Mierlo[1], M. Messagie[1]*, S. Rangaraju[1], *[1]Vrije Universiteit Brussels, Belgium*
14:10-14:30	F2b-2C3®	**Owners of energy-efficient houses as a target group for sustainable electric mobility** S. Keuchel[1]*, L. Jacobs[1], K. Laurenz[1], *[1]Westphalian University, Germany*
14:30-14:50	F2b-2C4®	**What hinders adoption of the electric bus in Canadian transit? Perspectives of transit providers** M. Mahmoud[1]*, M. Ferguson[1], R. Garnett[2], P. Kanaroglou[2], *[1]McMaster Institute for Transportation and Logistics (MITL), Canada, [2]McMaster University, Canada*
F2b - 2D - Aviation and Climate Change Room: NB121 Session Chair: Janina Scheelhaase		
15:30-15:50	F2b-2D1®	**'Does it really matter which flight to take?' Comparing carbon emissions of individual flights based on actual data** S. Baumeister[1,2]*, *[1]University of Jyvaskyla, Finland, [2]University of California, Los Angeles (UCLA), USA*
15:50-16:10	F2b-2D2®	**Potentials for reducing greenhouse gas emissions by inducing modal shift in long-distance travel** C.D. Van Goeverden[1]*, B. Van Arem[1], R. Van Nes[1], *[1]Delft University of Technology, The Netherlands*
16:10-16:30	F2b-2D3	**Factors determining airlines' costs for climate protecting market-based measures** J.D. Scheelhaase[1]*, K. Dahlmann[1], M. Jung[1], H. Keimel[1], H. Niesse[1], R. Sausen[1], M. Schaefer[1,2], F. Wolters[1], *[1]German Aerospace Centre (DLR), Germany, [2]Federal Ministry of Transport, Germany*
Tuesday, 12 July		
F2b - 3A - Freight and Climate Change Room: NB121 Session Chair: Fredrik Pettersson		
08:30-08:50	F2b-3A1®	**Curbing long-haul road freight emissions through electric road systems: An analysis and concept** P. Akerman[1]*, M. Birkner[1], M. Lehmann[1], *[1]Siemens AG, Germany*
08:50-09:10	F2b-3A2®	**Greenhouse gases from ships in port cities - a comparative study of four ports in Australia, Europe, Japan and USA** L. Styhre[1]*, H. Winnes[1], J. Black[2], L. Griffin[3,5], J. Lee[4], *[1]IVL Swedish Environmental Research Institute, Sweden, [2]University of New South Wales, Australia, [3]University of Southern California, USA, [4]University of Marketing and Distribution Sciences, Japan, [5]ARCADIS, USA*

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09:10-09:30	F2b-3A3	**CO_2 emission impacts of introducing heavier and longer trucks in the Swedish transport system** F. Pettersson[1]*, L. Winslott Hiselius[1], H. Pålsson[1], J. Khan[1], E. Adell[2], E. Lund[2], *[1]Lund University, Sweden, [2]Trivector Traffic, Sweden*
F2b – 3B - Construction and Climate Change Room: NB121 Session Chair: James Pritchard		
10:30-10:50	F2b-3B1	**Estimating the relationship between pavement cracking-threshold resurfacing policies and greenhouse gas emissions** A. Ogwang[1]*, J. Goulet[1], A. Horvath[1], S. Madanat[1], *[1]University of California, USA*
10:50-11:10	F2b-3B2®	**Know your neighbor: Spatial effects of state export promotion and infrastructure investment** Y. Zhou[1]*, J.L. Sage[1], *[1]Washington State University, USA*
11:10-11:30	F2b-3B3®	**An investigation into both embedded and operational carbon emissions in order to understand the trade-offs involved in optimal railway infrastructure design** J.A. Pritchard[1]*, J.M. Preston[1], *[1]University of Southampton, UK*
F2b - 3D - Transport in Developing Countries and Climate Change Room: NB121 Session Chair: Alexis Fillone		
15:30-15:50	F2b-3D1®	**Factors of change: Implementing sustainable urban mobility solutions in emerging countries** O.P. Lah[1]*, *[1]Wuppertal Institute for Climate, Environment and Energy, Germany*
15:50-16:10	F2b-3D2®	**Mitigating the impact of the expected increase in the population, economy and urban footprint in cities of the South on greenhouse gas emissions: The case of Cape Town** R.D. Mistro[1]*, V. Proctor[1], H.T.T. Moyo[1], *[1]University of Cape Town, South Africa, [2]MottMacDonald PDNA, South Africa, [3]University of Cape Town, South Africa*
16:10-16:30	F2b-3D3®	**Impact of congestion on greenhouse gas emissions for road transport in Mumbai Metropolitan Region** S. Bharadwaj[1], S. Ballare[3], R. Rohit[2], M.K. Chandel[1]*, *[1]Indian Institute of Technology Bombay, India, [2]DAV Institute of Engineering & Technology Jalandhar, India, [3]University of Illinois at Chicago, USA*
16:30-16:50	F2b-3D4®	**Co-benefit analysis of the proposed Panay-Guimaras-Negros Bridge Project, Western Visayas, Philippines** N.R. Roxas[1], A.M. Fillone[1]*, *[1]De La Salle University, The Philippines*
Wednesday, 13 July		
F2b - 4B - Urban Transport and Climate Change Room: NB121 Session Chair: Abraham Leung		
10:30-10:50	F2b-4B1®	**The impact of mixed land-use on residents' travel energy consumption: New evidence from Beijing** M.Z. Zhang[1]*, P.J. Zhao[1], *[1]Peking University, China*
10:50-11:10	F2b-4B2®	**Sustainable mobility in small, medium and large cities** O.P. Lah[1]*, S. Shrestha[1], H. Hueging[1], *[1]Wuppertal Institute for Climate, Environment and Energy, Germany*

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11:10-11:30	F2b-4B3®	**Supply-side network effects on mobile-source emissions** R. Shah[1]*, N. Nezamuddin[2], M.W. Levin[3], *[1]CDM Smith Inc., USA, [2]Valparaiso University, USA, [3]The University of Texas at Austin, USA*
11:30-11:50	F2b-4B4	**Scenario analysis of the energy transport demand, CO_2 emission forecast and reduction strategies of Jakarta megacity, Indonesia** A. Sodri[1]*, I. Garniwa[1], R.H. Koestoer[1], *[1]University of Indonesia, Indonesia*
11:50-12:10	F2b-4B5®	**The tale of two (very different) cities - mapping urban transport oil vulnerability of Brisbane and Hong Kong** A. Leung[1]*, M. Burke[1], J. Cui[1], *[1]Griffith University, Australia*
F2b – 4D - Electric Vehicles II Room: NB121 Session Chair: Patrick Plötz		
15:30-15:50	F2b-4D1®	**Methodology for planning multi-functional transport corridors taking into consideration the special requirements of electro mobility** W. Kuhn[1]*, R. Haupl[1], M. Muller[1], *[1]University of Applied Sciences Zwickau, Department of Transport and Energy Engineering, Germany*
15:50-16:10	F2b-4D2®	**Investigating the feasibility of electric vehicle carsharing: A case study of Beijing, China** T. Yoon[1]*, C. Cherry[2], *[1]LG CNS, Republic of Korea, [2]University of Tennessee, USA*
16:10-16:30	F2b-4D3®	**How to trigger mass market adoption of electric vehicles. Factors predicting interest in electric vehicles in Germany** J.P. Wesche[1], P. Plötz[1]*, E. Dütschke[1], *[1]Fraunhofer Institute for Systems and Innovation Research ISI, Germany*
Thursday, 14 July		
F2b - 5A - Climate Change in Transport Room: NB121 Session Chair: Charles Raux		
08:30-08:50	F2b-5A1®	**Mobility, Vehicle fleet, Energy use and Emissions forecast Tool (MOVEET)** A.J. Purwanto[1]*, *[1]Transport & Mobility Leuven, Belgium*
08:50-09:10	F2b-5A2	**A study on factor decomposition for CO2 emission generation and its causal mechanisms - A case study of Tokyo** X. Luo[1]*, *[1]Shanghai Tongji Urban Planning & Design Institute, China*
09:10-09:30	F2b-5A3®	**Identifying the correlation between rainfall, traffic flow performance and air pollution concentration in Seoul using a path analysis** H.Y. Kwak[1]*, J.H. Ko[1], S.H. Lee[1], C.H. Joh[1], *[1]Kyung Hee University, Republic of Korea, [2]The Seoul Institute, Republic of Korea, [3]Konkuk University, Republic of Korea*
09:30-09:50	F2b-5A4®	**Potentials for reducing carbon dioxide emissions and conversion of renewable energy for the regional transport market** A. Saighani[1]*, C. Sommer[1], *[1]University of Kassel, Germany*
09:50-10:10	F2b-5A5	**Personal mobility choices and climate change: Which incentives are effective?** C. Raux[1]*, *[1]University of Lyon, France*

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F2c: Sustainability and Environmental Ethics		
Tuesday, 12 July		
F2c - 3D - Sustainable Transport System I Room: NB122 Session Chair:		
15:30-15:50	F2c-3D1	**Creating awareness for eco-friendly transport: Establishing an online information platform** E. Jung[1], L.M. Putz[1]*, A. Haller[1], O. Schauer[1], *[1]University of Applied Sciences Upper Austria, Austria*
15:50-16:10	F2c-3D2®	**Sustainable road transport in the European Union: A benchmarking study** Y. Shen[1]*, E. Hermans[1], G. Wets[1], *[1]Hasselt University, Belgium*
16:10-16:30	F2c-3D3®	**Users' needs and business models for a sustainable mobility information network in the Alpine Space** C. Pronello[1]*, C. Camusso[1], *[1]Politecnico di Torino, Italy*
16:30-16:50	F2c-3D4®	**Green Streets allocation procedures: Empirical evidence from three cities in the U.S.** A. Rodriguez-Valencia[1]*, *[1]Universidad de los Andes, Colombia, [2]UC Davis, USA*
16:50-17:10	F2c-3D5®	**The effects of airlines' sustainable marketing on relationship quality and customer loyalty** K-C. Hu[1]*, F. Yen[1], M-Y. Lu[2], *[1]Soochow University, Taiwan, [2]Chiao Tung University, Taiwan*
Wednesday, 13 July		
F2c - 4B - Energy Technology Room: NB122 Session Chair:		
10:30-10:50	F2c-4B1®	**Energy value stream mapping to reduce transport energy consumption for provision of primary resources** H. Strubelt[1]*, S. Trojahn[1], *[1]Otto-von-Guericke University Magdeburg, Germany*
10:50-11:10	F2c-4B2®	**The probability to buy an electric vehicle - a cross-cultural study** T.L. Lieven[1]*, *[1]University of St. Gallen, Switzerland*
11:10-11:30	F2c-4B3®	**Increasing the efficient usage of electric vehicle range - effect of driving experience and coping information** N. Rauh[1]*, M. Günther[1], T. Franke[1], J.F. Krems[1], *[1]Technische Universität Chemnitz, Germany*
11:30-11:50	F2c-4B4	**Implementing waste-to-fuel technology for Dhaka Bus Rapid Transit based on Korean cases** J. Park[1]*, J. Kang[1], K. Park[1], *[1]The Korea Transport Institute, Republic of Korea*
F2c – 4D - Sustainable Transport II Room: NB122 Session Chair:		
15:30-15:50	F2c-4D1®	**Evaluation of integration between public transportation modes by developing sustainability index in India** M. Errampalli[1]*, K.S. Patil[2], C.S.R.K. Prasad[2], *[1]Central Road Research Institute (CRRI), New Delhi, India, [2]National Institute of Technology, Warangal, India*

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15:50-16:10	F2c-4D2®	**Evaluation of policy measures in view of promoting sustainable transportation system** R.R. Nath[4,2], C-H.R. Sekhar[3,1]*, E. Madhu[3,1], *[1]Central Road Research Institute, India, [2]Academy of Scientific and Innovative Research, India, [3]Scientist, India, [4]Master student, India*
16:10-16:30	F2c-4D3®	**Utilization of EAF slag in highway construction and possible environmental outcomes in Turkey** F. Yonar[1]*, M. Ergun[2], H.A. Dikbas[2], *[1]Istanbul Technical University, Turkey, [2]Istanbul Technical University, Turkey, [3]Medical University, Turkey*
16:30-16:50	F2c-4D4®	**Evaluation of urban green transportation planning based on central point triangle whiten weight function and entropy-ahp** F. Ma[1]*, J. He[1], J. Ma[2], S. Xia[3], *[1]Southeast University, China, [2]Xi'an International University, China, [3]Jiangsu Institute of Urban Planning and Design, China*
16:50-17:10	F2c-4D5®	**Ship emission reduction effect evaluation of air pollution control countermeasures** B. Qiao[1]*, W. He[1], Y. Tian[1], Y. Liu[1], O. Cai[1], Y. Li[1], *[1]China Waterborne Transport Research Institute, China*

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TOPIC G: TRANSPORT PLANNING AND POLICY		
G1: Governance and Decision-Making Processes		
Monday, 11 July		
G1 – 2B - Policy Change and Policy Stability Room: ZHB401 Session Chair: Greg Marsden		
10:50-11:10	G1-2B1®	**How cities use regulation for innovation: The case of Uber, Lyft and Sidecar in San Francisco** O.F. Dewey[1], L. Rayle[2]*, [1]*Harvard University, USA,* [2]*University of California, USA*
11:10-11:30	G1-2B2	**National policies on local school siting, school transport and options for children's travel to school in the United Kingdom** R.L. Steiner[1]*, G.R. Marsden[2], [1]*University of Florida, USA,* [2]*University of Leeds, UK*
11:30-11:50	G1-2B3®	**Identifying public transport priorities in Auckland** M. Imran[1]*, J. Pearce[2], [1]*Massey University, New Zealand,* [2]*Canterbury University, New Zealand*
G1 – 2C - Multi-Level Governance Room: ZHB401 Session Chair: Louise Reardon		
13:30-13:50	G1-2C1	**Multiple level, multiple criteria and group-oriented evaluation of urban transportation projects** J. Zak[1]*, M. Kruszynski[1], L. Owczarzak[1], [1]*Poznan University of Technology, Poland*
13:50-14:10	G1-2C2®	**Multiple solutions, multiple regions, multiple levels and multiple criteria: Deciding on rail for Brussels with Competence-based Multi Criteria Analysis** G. te Boveldt[1]*, C. Macharis[1], K. Van Raemdonck[1], [1]*Vrije Universiteit Brussel, Belgium*
14:10-14:30	G1-2C3	**Fiscal and budgetary frameworks for local funding of urban transportation infrastructure in multilevel systems: cities and its fiscal challenges in Germany** A.W. Heinemann[1]*, A. Knorr[1], [1]*University of Bremen, Germany*
G1 - 2D - Organizations and Governance Room: ZHB401 Session Chair: Mohammed Imran		
15:30-15:50	G1-2D1®	**Organizational structures of urban public transport - a diagrammatic comparison with UML** T. Shibayama[1]*, [1]*Vienna University of Technology, Austria*
15:50-16:10	G1-2D2®	**A principal-agent model comprising organization structure - taking China's railway as an example** J. Zhao[1]*, T. Hu[1], Y. Zhao[1], [1]*Beijing Jiaotong University, China,* [2]*Beijing Jiaotong University, China,* [3]*Beijing Jiaotong University, China*
16:10-16:30	G1-2D3®	**A multi-actor multi-criteria transit system selection model: A case study of Bangkok feeder system** A. Sirikijpanichkul[1]*, S. Winyoopadit[1], A. Jenpanitsub[1], [1]*Kasetsart University, Thailand,* [2]*The Mass Rapid Transit Authority of Thailand, Thailand*
16:30-16:50	G1-2D4	**Trucking regulation as a critical supply chain asset in port complexes** T. O'Brien[1]*, P.V. Hall[2], [1]*California State University, Long Beach, USA,* [2]*Simon Fraser University, Canada*

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14:30-14:50	G1-2D5®	**Methodology for diagrammatic comparison of transport planning competences over national borders** T. Shibayama[1]*, U. Leth[1], G. Emberger[1], *[1]Vienna University of Technology, Austria*
Tuesday, 12 July		
G1 - 3A - Partnerships and Governance Innovations Room: ZHB401 Session Chair: Michela Le Pira		
08:30-08:50	G1-3A1®	**Understanding transport planning education in an Australian context** I.B. Mateo-Babiano[1]*, *[1]The University of Queensland, Australia*
08:50-09:10	G1-3A2®	**Rethinking public private partnerships: An unbundling approach** S. Garg[1]*, S. Garg[2], *[1]Indian Institute of Management Indore, India, [2]George Mason University, USA*
09:10-09:30	G1-3A3®	**Study on the features of the evolution processes and business models of global enterprises in the transport sector** N. Hiroyuki[1]*, *[1]Ministry of Land, Infrastructure and Transport, Japan*
G1 – 3B - Challenging the Policy Cycle Room: ZHB401 Session Chair: Ruth Steiner		
10:30-10:50	G1-3B1	**Questions of governance: Rethinking the study of transportation policy** G. Marsden[1], L. Reardon[1]*, *[1]University of Leeds, UK*
10:50-11:10	G1-3B2®	**The changing decision-making narratives in 25 years of Trans-European transport network policies** A. Aparicio[1]*, *[1]Technical University of Madrid, Spain*
11:30-11:30	G1-3B3®	**Introducing adaptive planning of transport infrastructure to extend its value over the longer term** M. Givoni[1]*, A. Perl[2], *[1]Tel Aviv University, Israel, [2]Simon Fraser University, Canada*
Wednesday, 13 July		
G1 - 4C - Participatory Planning and Governance Room: ZHB401 Session Chair: Moshe Givoni		
13:30-13:50	G1-4C1	**The TUM Accessibility Atlas as a tool for fostering decision making processes on sustainable mobility in the metropolitan region of Munich** B. Büttner[1]*, G. Wulfhorst[1], *[1]Technische Universität München (TUM), Germany*
13:50-14:10	G1-4C2	**Developing a framework for effective participatory transport planning processes to promote socially inclusive sustainable mobility** J. Elvy[1]*, *[1]University of Leeds, UK*
14:10-14:30	G1-4C3®	**Modelling consensus building in Delphi practices for participated transport planning** M. Le Pira[1]*, G. Inturri[1], M. Ignaccolo[1], A. Pluchino[1], *[1]University of Catania, Italy*
14:30-14:50	G1-4C4®	**Road safety data and information availability and priorities in south-east European regions** A. Laiou[1], E. Papadimitriou[1], G. Yannis[1]*, A. Milotti[2], *[1]National Technical University of Athens, Greece, [2]ALOT s.c.a.r.l. - Agency of East Lombardy for Transport and Logistics, Italy*

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G1 - 4D - Understanding Wider Transport Impacts in Policy Room: ZHB401 Session Chair: Angel Aparicio		
15:30-15:50	G1-4D1	**Understanding quality of life's operationalization in policy: Lessons from UK transport** L. Reardon[1]*, [1]*University of Leeds, UK*
15:50-16:10	G1-4D2®	**Major transport corridors: The concept of sustainability in EU documents** M. Öberg[1]*, K.L. Nilsson[1], C. Johansson[1], [1]*Luleå University of Technology, Sweden*
16:10-16:30	G1-4D3	**Incomplete cost – incomplete benefit analysis in transport appraisal** R. Hickman[1]*, [1]*UCL, UK*

G2: National and Regional Transport Planning and Policy		
Monday, 11 July		
G2 – 2B- National Transport Policy 1 Room: ZHB402 Session Chair: Takeru Shibayama		
10:50-11:10	G2-2B1®	**Appropriate national policy frameworks for Sustainable Urban Mobility Plans** A.D. May[1]*, S. Boehler-Baedeker[2], T. Durlin[3], M. Enache[4], [1]*University of Leeds, UK,* [2]*Rupprecht Consult Forschung und Beratung GmbH, Germany,* [3]*Cerema, France,* [4]*EMI Systems, Romania*
11:10-11:30	G2-2B2®	**National transport policy in Austria - from its beginning till today** G. Emberger[1]*, [1]*Vienna University of Technology, Austria*
11:30-11:50	G2-2B3	**Transport policy planning in Germany – An analysis of political programs and investment masterplans** F. Fichert[1]*, [1]*Worms University of Applied Sciences, Germany*
11:50-12:10®	G2-2B4®	**Transport policies in Hungary - Historical background and current practice for national and regional level** V. Oszter[1]*, [1]*KTI Institute for Transport Sciences Non Profit Ltd., Hungary*
G2 – 2C - National Transport Policy 2 Room: ZHB402 Session Chair: Guenter Emberger		
13:30-13:50	G2-2C1®	**Regional transport planning in Melbourne (1985-2015): An analysis of process and outcomes** J. Stone[1], J. Dodson[2], Y. Kirk[1], I. Jones[3]*, [1]*University of Melbourne, Australia,* [2]*RMIT University, Australia,* [3]*University of Leeds, UK*
13:50-14:10	G2-2C2®	**Consistency of state road network master plan development steps** F.M. Heinitz[1]*, [1]*Erfurt University of Applied Sciences, Germany*
14:10-14:30	G2-2C3®	**Development of the first long-term national transport strategy for the Hashemite Kingdom of Jordan** S. Maffii[1]*, S. Bosetti[1], U. Reiter[2], [1]*TRT Trasporti e Territorio, Italy,* [2]*PTV Transport Consult, Germany*
14:30-14:50	G2-2C4®	**Japan's transport planning at national level, natural disasters, and their interplays** T. Shibayama[1]*, [1]*Vienna University of Technology, Austria*

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14:50-15:10	G2-2C5	**Understanding the factors influencing road public transport policy implementation in Taiwan** C.P. Liu[1]*, H. Titheridge[1], *[1]University College London, UK*
G2 - 2D - National Transport Policy 3 Room: ZHB402 Session Chair: Ian Jones		
15:30-15:50	G2-2D1	**Transport planning and transport policy development for local authorities from the south-east of Romania** A.M.C. Ciobica[1,2], A.E.R. Roman[1,2], I.S.M. Mitroi[1,2]*, V.C.R. Roman[1], *[1]University Politehnica of Bucharest, Romania, [2]CODATU din Romania, Romania*
15:50-16:10	G2-2D2®	**Planning transport infrastructures in an uncertain context: Analysis and limits to contemporary planning in France** G. Zembri-Mary[1]*, *[1]Université de Cergy-Pontoise, France*
16:10-16:30	G2-2D3	**Integration of sustainability strategies and transport planning policies - a comprehensive approach** S. Tischler[1]*, M. Mailer[1], *[1]University of Innsbruck, Austria*
16:30-16:50	G2-2D4	**Development of national transport master plan in Thailand** S. Jaensirisak[1]*, S. Paksarsawan[2], T. Fukuda[3], P. Luathep[4], *[1]Ubon Ratchathani University, Thailand, [2]AMP Consultants Ltd., Thailand, [3]Nihon University, Japan, [4]Prince of Songkla University, Thailand*
16:50-17:10	G2-2D5	**International comparison of the development level of interregional transport infrastructure: Methodology development and policy analysis** H. Chiu[1]*, H. Ieda[1], T. Kani[1], *[1]University of Tokyo, Japan*
Tuesday, 12 July		
G2 - 3A - Freight Room: ZHB402 Session Chair: Georgios Fontaras		
08:30-08:50	G2-3A1	**Logistics centers and agglomeration economies: Logistics clusters or co-located logistics activities - The French case** N. Bounie[1]*, C. Blanquart[1], *[1]IFSTTAR, France*
08:50-09:10	G2-3A2®	**Road infrastructure charging for heavy good vehicles: Impact assessment of European scale policies** C. de Stasio[1], S. Maffii[1]*, A. Martino[1], *[1]TRT Trasporti e Territorio, Italy*
09:10-09:30	G2-3A3®	**Logistics agglomeration and its impacts in China** Y.Y. Cui[1,2], B.L. Song[1]*, *[1]Shanghai Maritime University, China, [2]Shanghai Development Strategic Research Institute, China*
09:30-09:50	G2-3A5	**Toward an institutional model for integrated transport to support logistic system in Indonesia** N.B. Siswanto[1]*, P. Pradono[1], M. Miharja[1], *[1]Bandung Institute of Technology, Indonesia*
09:50-10:10	G2-3A4®	**A simulation based approach for quantifying CO2 emissions of light duty vehicle fleets: A case study on WLTP introduction** S. Tsiakmakis[1], G. Fontaras[1]*, K. Anagnostopoulos[1], B. Ciuffo[1], A. Marotta[1], *[1]European Commission, Joint Research Centre, Institute for Energy and Transport, Italy*

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G2 – 3D - Rail Room: ZHB402 Session Chair: Yannick Cornet		
15:30-15:50	G2-3D1®	**A study of vertical separation in Japanese passenger railways** F. Kurosaki[1]*, [1]*Institure of Transportation Economics, Japan*
15:50-16:10	G2-3D2	**Impacts on economic integration of potential integrated HSR network in East Asia: From the perspective of accessibility** F.J. Jin[1]*, J.J. Jiao[1], [1]*Institute of Geographic Sciences and Natural Resources Research, China*
16:10-16:30	G2-3D3®	**High speed rail: A mandate for future generations?** Y. Cornet[1]*, G. Dudley[2], D. Banister[2], [1]*Technical University of Denmark, Denmark,* [2]*University of Oxford, UK*
16:30-16:50	G2-3D4	**High-Speed rail as a catalyst for Regional Development- A comparative study between North West England, UK and Nord-Pas-de-Calais, France** C.L. Chen[1]*, [1]*UCL, UK*
16:50-17:10	G2-3D5®	**Re-analyse the early stage American railway investment system from the land and private double-guided perspective: The drawbacks and warnings** X.Y. Lin[1]*, Z.S. Kuang[1], [1]*School of Economics and Management, Beijing Jiaotong University, China*
Wednesday, 13 July		
G2 - 4A - Modelling 1 Room: ZHB402 Session Chair: Guenter Emberger		
08:30-08:50	G2-4A1®	**Study of car ownership behaviour in rural and urban areas of India** R. Choudhary[1]*, V. Vasudevan[1], [1]*Indian Institute of Technology Kanpur, India*
08:50-09:10	G2-4A2®	**Scale forecast method for regional highway network based on BPNN-MOP** H. Yang[1]*, X. Li[1], B. Wu[1], [1]*Tongji University Key Laboratory of Road and Traffic Engineering of Ministry of Education, China*
09:10-09:30	G2-4A3®	**Government electro mobility incentives - a system dynamics approach to analyse market uptake and impact on public budgets** N. Fearnley[1], P. Pfaffenbichler[2], G. Emberger[2]*, [1]*Institute of Transport Economics, Norway,* [2]*Vienna University of Technology – TU Wien, Austria*
09:30-09:50	G2-4C1®	**Incorporating in-home activities in ADAPTS: A sequential conditional probability framework** M.F.L. Fasihozaman Langerudi[1]*, K.M. Mohammadian[1], M.J. Javanmardi[1], R.S. Shabanpour[1], T.H.R. Rashidi[1], [1]*University of Illinois at Chicago, USA*
09:50-10:10	G2-4A5®	**A Market Share Analysis for Hybrid Cars in Indonesia** M. Zudhy Irawan[1]*, A. Widyaparaga[1], D. Deendarlianto[1], A. Budiman[1], I. Muthohar[1], B.M. Sopha[1], I.D. Sanjoyo[1], [1]*Gadjah Mada University, Indonesia*
G2 - 4C - Modelling 2 / Economy Room: ZHB402 Session Chair: Aki Aapaoja		
13:30-13:50	G2-4A4	**The system dynamics of funding and financing of transport infrastructure** A. Roumboutsos[1]*, A. Pantelias[1], [1]*University of the Aegean, Greece,* [2]*University College London, UK*

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13:50-14:10	G2-4C2®	**Exploring the relationship between transport infrastructure and economic development in India (1991-2011): A panel cointegration and causality test approach** T.S. Maparu[1]*, T.N. Mazumder[2], *[1]National Institute of Technology, India, [2]Indian Institute of Technology, India*
14:10-14:30	G2-4C3®	**Impact evaluation of different types of transportation projects using Meta-analysis** M.F.R. London[1], S. McNeil[2]*, *[1]New York City Emergency Management, USA, [2]University of Delaware, USA*
14:30-14:50	G2-4C4®	**Corridors - A political tool or business to be managed?** P. Leviäkangas[1], J. Eckhardt[1], J. Rantala[1], A. Aapaoja[1]*, *[1]Curtin University, Australia*
14:50-15:10	G2-4C5®	**Key factors influencing implementation of green port policies: A mixed methods case study in Taiwan** P.H. Tseng[1]*, N. Pilcher[2], *[1]Feng Chia University, Taiwan, [2]Edinburgh Napier University, UK*
Thursday, 14 July		
G2 - 5A - Bus -Safety - CO2 Room: ZHB402 Session Chair: Paolo Beria		
08:30-08:50	G2-5A1®	**Temporary restoration project of BRT instead of restoring railways on Tsunami-hit regions by the Great East Japan Earthquake** T. Nagai[1]*, Y. Kumamoto[1], Y. Yamaguchi[1], Y. Ooguchi[1], Y. Sumita[2], *[1]East Japan Railway Company, Japan, [2]JR East Consultants Company, Japan*
08:50-09:10	G2-5A2®	**Assessing the option value of public transport : Case study for rural bus service in Japan** H. Oguma[1]*, T. Yokoyama[1], S. Nishimura[1], O. Moriyama[1], H. Kamiya[1], *[1]Kanazawa University, Japan*
09:10-09:30	G2-5A3	**Measuring the long distance accessibility: Is there an "accessibility gap" of Italian cities?** P. Beria[1]*, A. Debernardi[2], E. Ferrara[2], *[1]Politecnico di Milano, Italy, [2]Studio META, Italy*
09:30-09:50	G2-5A4®	**Portuguese mainland road network safety performance indicator** S. Vieira Gomes[1]*, J.L. Cardoso[1], C. Lima Azevedo[2], *[1]National Laboratory of Civil Engineering, Portugal, [2]Singapore MIT Alliance for Research and Technology, Singapore*
09:50-10:10	G2-5A5	**The difference between reported and real-world CO2 emissions: How much improvement can be expected by WLTP introduction?** G. Fontaras[1]*, B. Ciuffo[1], N. Zacharof[1], S. Tsiakmakis[1], A. Marotta[1], J. Pavlovic[1], K. Anagnostopoulos[1], *[1]Institute for Energy and Transport, Italy*

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G3: Urban Transport Planning and Policy		
Monday, 11 July		
G3 – 2B - Public Transport Fare Room: ZHB403 Session Chair: Alexa Delbosc		
10:50-11:10	G3-2B1®	**The peak problem and fare reduction effect in Transmilenio system in Bogota** L.A. Guzman[1]*, C.A. Moncada[2], A. Ochoa[1], *[1]Universidad de los Andes, Colombia, [2]Universidad Nacional, Colombia*
11:10-11:30	G3-2B2®	**Identification of the determinants of fare evasion** M. Cools[1]*, Y. Fabbro[2], T. Bellemans[2], *[1]University of Liège, Belgium, [2]Hasselt University, Belgium*
11:30-11:50	G3-2B3®	**Quantitative segmentation of fare evasion behaviours in Melbourne, Australia** A. Delbosc[1]*, G. Currie[1], *[1]Monash University, Australia*
11:50-12:10	G3-2B4®	**An empirical model for the psychology of deliberate and unintentional fare evasion** G. Currie[1]*, A. Delbosc[1], *[1]Public Transport Research Group, Institute of Transport Studies, Monash University, Australia*
G3 – 2C - Public Transport (1) Room: ZHB403 Session Chair: Ugo Lachapelle		
13:30-13:50	G3-2C1®	**Assessing interchange effects in public transport: A case study of South East Queensland, Australia** B.T.H. Yen[1]*, W.C. Tseng[1], C. Mulley[2], Y.C. Chiou[3], M. Burke[1], *[1]Griffith University, Australia, [2]The University of Sydney, Australia, [3]National Chiao Tung University, Taiwan*
13:50-14:10	G3-2C2®	**A study on effect of incentive reward institution for a deficit-ridden bus company on economic welfare** T. Kato[1]*, K. Uchida[1], K. Tanada[2], *[1]Graduate School of Hokkaido University, Japan, [2]JR Hokkaido Railway Company, Japan*
14:10-14:30	G3-2C3®	**Impacts of the last decade interventions on the underground system of Rio de Janeiro metro system** I. Lentino[1,2]*, F. Mac Dowell[2], *[1]Ministério Público do Rio de Janeiro, Brazil, [2]Pontifícia Universidade Católica do Rio de Janeiro - PUC-Rio, Brazil*
14:30-14:50	G3-2C4	**New Experience and issues for sustainable urban development: Bus rapid transit system in Taichung City, Taiwan** C. Yeh[1]*, L. Lin[1], C. Kao[1], *[1]Feng-Chia University, Taiwan*
14:50-15:10	G3-2C5®	**Employer sponsored public transit pass in Atlanta, GA: Assessing disparities in access, use, and latent demand** U. Lachapelle[1]*, *[1]Université du Québec à Montréal, Canada*
G3 - 2D - Public Transport (2) Room: ZHB403 Session Chair: Girish Agrawal		
15:30-15:50	G3-2D1	Presentation withdrawn

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15:50-16:10	G3-2D5®	**Mapping bus transit services in Hyderabad - an illustrative example of the use of open geospatial data** H. Devulapalli[2], G. Agrawal[1]*, *[1]Shiv Nadar University, India, [2]Hyderabad Urban Labs, India*
16:10-16:30	G3-2D3®	**Comparison of functions performed of transport authorities: Similarities and differences** A. Purba[1]*, F. Nakamura[1], S. Tanaka[1], R. Ariyoshi[1], *[1]Yokohama National University, Japan*
16:30-16:50	G3-2D4	**C-train: A new mode for urban transport** A. Kumar[1,2]*, E. Jacob[1], *[1]Singapore-MIT Alliance for Research and Technology, Singapore, [2]Ministry of Railways, Government of India, India*
16:50-17:10	G3-2D2®	**A stochastic model for operational planning of urban public transport services** N. Huynh[1], J. Barthelemy[1]*, N. Shukla[1], P. Perez[1], *[1]University of Wollongong, Australia*
Tuesday, 12 July		
G3 – 3A- Public Transport (3) Room: ZHB403 Session Chair: Maria Attard		
08:30-08:50	G3-3A1®	**Benchmarking of personal rapid transit system (dynamic model)** P.K. Sarkar[1]*, U. Jain[1], *[1]School of Planning & Architecture, India*
08:50-09:10	G3-3A2®	**Introspection and practice of bus rapid transit planning in China** X. Xu Zhengquan[1]*, Y. Yang Yuxing[1], W. Wu Xiaofei[1], L. Liu Zhijie[1], *[1]Shen Zhen Urban Transport Planning Center, China*
09:10-09:30	G3-3A3	**Locating turnover transfer center for large metropolitan areas in case of Seoul, Korea** Y. Kwon[1]*, J. Oh[1], *[1]The Korea Transport Institute, Republic of Korea*
09:30-09:50	G3-3A4®	**Managing uncertainty in the application of composite sustainability indicators to transit analysis** P. Miller[2]*, A. de Barros[1], L. Kattan[1], S.C. Wirasinghe[1], *[1]University of Calgary, Canada, [2]Steer Davies Gleave, Canada*
09:50-10:10	G3-3A5	**The relationship between public transport and tourism in the small island state of Malta** M. Attard[1]*, *[1]University of Malta, Malta*
G3 – 3B- Public Transport (4) Room: ZHB403 Session Chair: Alexa Delbosc		
10:30-10:50	G3-3B1®	**The effects of subway expansion on traffic conditions: Evidence from Beijing** J. Yang[1,4]*, S. chen[3], P. Qin[2], F.W. Lu[2], *[1]Beijing Transportation Research Center, China, [2]Renmin University, China, [3]Peking University, China, [4]Beijing Jiaotong University, China*
10:50-11:10	G3-3B2®	**Reliability analysis of centralized versus decentralized zoning strategies for paratransit services** W. Lu[1]*, L. Quadrifoglio[1], M. Petrelli[2], *[1]Texas A&M University, USA, [2]Roma Tre University, Italy*

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11:10-11:30	G3-3B3	**The mobility of the elderly people in the hilly and mountainous areas of the Toyota city** K. higuchi[1]*, M. Fukumoto[1], R. Ando[1], M. Yamazaki[1], *[1]Toyota Transportation Research Institute, Japan*
11:30-11:50	G3-3B4®	**Transit shift behaviour study through fuzzy rule based analysis: A case study of Indian metropolitan city** A.S. Kedia[1]*, S. Dhulipala[1], B.K. Katti[1], P.S. Salini[1], *[1]SV National Institute of Technology, India*
11:50-12:10	G3-3B5®	**Learning to use transit services: Understanding unfamiliar transit travel** L. Schmitt[1], A. Delbosc[1]*, G. Currie[1], *[1]Monash University, Australia*
Wednesday, 13 July		
G3 - 4A - Pricing Room: ZHB401 Session Chair: Rosario Macario		
08:30-08:50	G3-4A1®	**A new perspective of road pricing: Congestion permits policy for transportation demand management** X.Q. Ou[1]*, *[1]China Center for Urban Development, National Development and Reform Commission, China*
08:50-09:10	G3-4A2	**Measuring congestion impacts on the islands of Malta** M. Attard[1]*, J.N. Ibáñez[2], P. Von Brockdorff[1], F. Bezzina[1], P. Christidis[2], *[1]University of Malta, Malta, [2]Joint Research Centre, Spain*
09:10-09:30	G3-4A3®	**Short-term, long-term, and non-linear effects of gasoline prices on transit ridership in ten US urbanized areas, using fixed effects panel data analysis** H. Iseki[1]*, R. Ali[1], *[1]University of Maryland College Park, USA*
09:30-09:50	G3-4A4	**A practical rule for a benefit maximising toll** D.R. Lupton[1]*, *[1]David Lupton and Associates, New Zealand*
09:50-10:10	G3-4A5	**The concept of "Shared Responsibility": A variant approach to congestion pricing** P. Matos Martins[1], R. Macário[2,3]*, *[1]Instituto Superior de Engenharia de Lisboa (ISEL), Portugal, [2]Instituto Superior Técnico (IST), Portugal, [3]Transportes, Inovação e Sistemas (TIS.pt), Portugal*
G3 - 4C - Planning and Policy (1) Room: ZHB403 Session Chair: Anthony D. May		
13:30-14:50	G3-4C1®	**Planning our way ahead: A review of Thailand's transport master plan for urban areas** P. Jittrapirom[1,3]*, S. Jaensirisak[2], *[1]Research Center of Transport Planning and Traffic Engineering, Vienna University of Technology, Austria, [2]Civil Engineering Department, Ubon Ratchathani University, Thailand, [3]Radboud University, The Netherlands*
13:50-14:10	G3-4C2	**The evolution of urban transport policy from car-based to people-based cities: Is this development path universally applicable?** P.M. Jones[1]*, *[1]UCL, UK*
14:10-14:30	G3-4C3®	**The role of reporting mechanisms in transport policy implementation by local authorities in England** C. McTigue[1]*, T. Rye[1], J. Monios[1], *[1]Edinburgh Napier University, UK*
14:30-14:50	G3-4C4	**Evaluation and monitoring for sustainable urban mobility planning** A. Gühnemann[1]*, K. Burggraf[1], *[1]University of Leeds, UK*

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14:50-15:10	G3-4C5®	**Option generation for policy measures and packages: The role of the KonSULT knowledgebase** A.D. May[1]*, H. Khreis[1], C. Mullen[1], [1]*University of Leeds, UK*
G3 - 4D - Planning and Policy (2) Room: ZHB403 Session Chair: Helena Titheridge		
15:30-15:50	G3-4D1®	**Transport policy as an instrument to address poverty** R.L. Mackett[1], N. Christie[1], D. Oviedo Hernández[1], H. Titheridge[1]*, [1]*University College London, UK*
15:50-16:10	G3-4D2®	**Barriers, motivators and strategies for sustainable mobility in the campus of USP at São Carlos** P.P. Stein[1], A.N. Rodrigues Da Silva[1]*, [1]*University of Sao Paulo, Brazil*
16:10-16:30	G3-4D3®	**Pedestrian-vehicular interactions in a mixed-street environment** M. Danaf[1], A. Sabri[1], M. Abou-Zeid[1]*, I. Kaysi[1], [1]*American University of Beirut, Lebanon*
16:30-16:50	G3-4D4®	**Review of mobility planning in Indian cities** D. Jain[1]*, G. Tiwari[1], [1]*Indian Institute of Technology Delhi, India*
Thursday, 14 July		
G3 - 5A - Planning and Policy (3) Room: ZHB401 Session Chair: Therese Bajada		
08:30-08:50	G3-5A1®	**Speed vs relocations for which accessibility? The case of the ring of sciences in Lyon** C. Genre-Grandpierre[1]*, S. Gueye[1], A. Mercier[2], N. Ovtracht[2], C. Sahuc[1], [1]*University of Avignon, France,* [2]*LET, France*
08:50-09:10	G3-5A2	**Deepening partnership in Danish rail provision - balancing efficiency and governance** S. Sturup[1]*, L. Christensen[1], [1]*Xi'an Jiaotong Liverpool University, China,* [2]*Copenhagen Business School, Denmark*
09:10-09:30	G3-5A3®	**Locating charging stations for electric vehicles in a city** W. Gao[1], Z. Sun[1]*, [1]*Dalian Maritime University, China*
09:30-09:50	G3-5A4	**Tourist accessibility management towards urban destinations** Y. Israeli[1]*, [1]*Kinneret College on the Sea of Galilee, Israel*
09:50-10:10	G3-5A5®	**The attitudes of tourists towards a bus service: Implications for policy from a Maltese case study** T. Bajada[1]*, H. Titheridge[1], [1]*University College London, UK*

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G4: Cultural and Social Issues in Transport		
Monday, 11 July		
G4 – 2B - Unequal Mobility's and Accessibility Room: ZHB404 Session Chair: Karen Lucas		
10:50-11:10	G4-2B1®	**Asian communities' everyday experience of public transport in Auckland, New Zealand** M. Imran[1]*, J. Yin[1], J. Pearce[2], *[1]Massey University, New Zealand, [2]University of Canterbury, New Zealand*
11:10-11:30	G4-2B2®	**Expected role of public transportation services in securing residents' accessibility to city center in suburban housing development areas** K. Terayama[1]*, M. Odani[1], *[1]Kobe University, Japan*
11:30-11:50	G4-2B3®	**Income x travel time: Why do the poorest and the richest travel fastest in North-Eastern Brazil?** J.H. Lima[1]*, M.L.A. Maia[1], K. Lucas[2], *[1]UFPE, Brazil, [2]University of Leeds, UK*
11:50-12:10	G4-2B4®	**Achieving equal quality of life in rapidly urbanizing areas based on transportation accessibility: A case study in Nanjing City** F.M. Gu[1]*, Y. Haayashi[2], K. Nakamura[3], G.F. Zhai[1], H. Kato[2], Y.J. Khoo[2], *[1]Nanjing University, China, [2]Nagoya University, Japan, [3]Kagawa University, Japan*
G4 – 2C - Barriers of Affordability Room: ZHB404 Session Chair:		
13:30-13:50	G4-2C1	**Affordable public transport in China's growing megacities: Subway fare increase and travel behavior in Beijing** P. Zhao[1]*, Y. Zhang[1], *[1]Peking University, China*
13:50-14:10	G4-2C2	**Which factors influence household daily mobility budget? Evidence from the French case of Lyon conurbation** N. Pelé[1], J-P. Nicolas[1]*, *[1]Lyon University, France*
14:10-14:30	G4-2C3	**Developing a novel approach for assessing the transport vulnerability to fuel price rises at the household level** K. Lucas[1]*, G. Mattioli[1], Z. Wadud[1], *[1]Institute for Transport Studies, University of Leeds, UK*
14:30-14:50	G4-2C4®	**Competition in the housing market causes transport poverty? Interrelations of residential location choice and mobility** L. Sterzer[1,2]*, *[1]Munich University of Technology, Germany, [2]Mobil.LAB Doctoral Research Group, Germany*
14:50-15:10	G4-2C5	**Public transport policies, affordability and equity: Benefits' distribution of de-commodification devices in Montevideo (Uruguay)** D. Hernandez[1]*, *[1]Universidad Catolica del Uruguay, Uruguay*
G4 - 2D - Vulnerable Social Groups Room: ZHB404 Session Chair: Roger Mackett		
15:30-15:50	G4-2D1®	**Service gap analysis of public buses in Bangalore with respect to women safety** M. Verma[1]*, M. Manoj[2], N. Rodeja[3], A. Verma[2], *[1]M.S.Ramaiah Institute of Management, India, [2]Indian Institute of Science, India, [3]CEPT University, India*

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15:50-16:10	G4-2D2®	**The need for an elderly centred mobility policy** B. Aguiar[1]*, R. Macário[1], *[1]Instituto Superior Tecnico, Portugal*
16:10-16:30	G4-2D3®	**The effect of accessibility on aged people's use of long-term care service** K. Sasaki[1]*, Y. Aihara[2], K. Yamasaki[3], *[1]University of Yamanashi, Japan, [2]Kobe City College of Nursing, Japan, [3]Value Management Institute, Inc., Japan*
16:30-16:50	G4-2D4®	**Social exclusion related to mobility in urban area** H. Inoi[1]*, M. Nishiwaki[2], K. Doi[1], *[1]Osaka University, Japan, [2]West Japan Railway Company, Japan*
Tuesday, 12 July		
G4 – 3A - Mobility Justice Room: ZHB404 Session Chair: Hans Jeekel		
08:30-08:50	G4-3A1	**Transport and social justice beyond potential influences of vulnerability: Future changes in oil prices and housing affordability** M. Cao[1]*, R. Hickman[1], *[1]University College London, UK*
08:50-09:10	G4-3A2®	**Exploring equity dimensions of rail transit impact on urban regeneration in a large Chinese city** L. Liu[1]*, *[1]University College London, UK*
09:10-09:30	G4-3A3®	**Equity in transport: Learning from health care, education and housing** J.F. Jeekel[1]*, C.J.C.M. Martens[1], *[1]Technical University Eindhoven, The Netherlands, [2]Radboud University Nijmegen, The Netherlands, [3]Technion, Israel*
09:30-09:50	G4-3A4®	**Cumulative effects of road transportation nuisances around elementary schools in Montreal (Canada) - An environmental equity diagnosis** M. Carrier[3]*, P. Apparicio[1], A-M. Séguin[1], D. Crouse[2], *[1]National Institute of Scientific Research, Canada, [2]McGill University, Canada, [3]University of Montreal Hospital Research Centre, Canada*
09:50-10:10	G4-3A5®	**Impacts of the economic crisis on daily mobility. The case of Spain** R. Cascajo[2], L. Diaz Olvera[1], V. Monfort Salvador[3], A. Monzon[2]*, D. Plat[1], J.B. Ray[3], *[1]LET-ENTPE, France, [2]TRANSyT-UPM, Spain, [3]Arcadis, France*
G4 – 3B - Measuring Equity Room: ZHB404 Session Chair: Daneil Oveido		
10:30-10:50	G4-3B1	**Linking transport poverty with indicators of the level of social deprivation of individuals and the environmental characteristics of their home locations** K. Lucas[1]*, I. Philips[1], C. Mulley[2], L. Ma[2], *[1]Institute for Transport Studies, UK, [2]Institute of Transport and Logistic Studies, Australia*
10:50-11:10	G4-3B2®	**Using community planning method to improve effect of urban barrier-free transportation system** C.T. Wu[1], L.X. Li[1]*, *[1]Sichuan University, China*
11:10-11:30	G4-3B3	**Transport, poverty, and well-being in urban Nigeria: perspectives for transport research in developing contexts** D.R. Oviedo Hernandez[1]*, J.D. Davila[1], C. Levy[1], *[1]University College London, UK*
11:30-11:50	G4-3B4®	**Social sustainability and smart mobility : Exploring the relations** J.F. Jeekel[1]*, *[1]Technical University Eindhoven, The Netherlands*

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G4 – 3D - Mobility Practices Room: ZHB404 Session Chair:		
15:30-15:50	G4-3D1®	**Mobility behaviours in peri-urban areas through mobile phone data: The Milan urban region case study** P. Pucci[1]*, [1]*Politecnico di Milano, Italy*
15:50-16:10	G4-3D2®	**Examining the relationships between individuals' travel, in-home and out-of-home activities and their physical, mental and social health indicators: Case study in the Bandung metropolitan area, Indonesia** Y.O. Susilo[1]*, C. Liu[1], [1]*KTH Royal Institute of Technology, Sweden*
16:10-16:30	G4-3D3®	**The role of social network in mobility-related social exclusion—a case of migrant workers in Beijing** S. Li[1]*, P. Zhao[1], [1]*Peking University, China*
16:30-16:50	G4-3D4	**Relative influences of immigrant perceptions and attitudes on travel choice** J.M. Barajas[1]*, [1]*UC Berkeley, USA*
16:50-17:10	G4-3D5	**Understanding how enacting business practices maintains and generates demand for business travel** I. Jones[1,2]*, G. Marsden[1,2], J. Faulconbridge[1], J. Anable[1], [1]*DEMAND, UK,* [2]*University of Leeds, UK*
Wednesday, 13 July		
G4 – 4A - Psychological Factors & Cognition Room: ZHB404 Session Chair:		
08:30-08:50	G4-4A1®	**Investigation of texting on young drivers' behavior by means of multivariate copula analysis and Gaussian mixture modelling** L. Dimitriou[1]*, G. Yannis[2], K. Stylianou[1], [1]*University of Cyprus, Cyprus,* [2]*National Technical University of Athens, Greece*
08:50-09:10	G4-4A2®	**Framework for investigating older adults' driving behaviours and the cognitive mechanisms: A psycho-geoinformatics approach** Q. Sun[1]*, C. Xia[1], J. Foster[1], T. Falkmer[1], H. Lee[1], [1]*Curtin University, Australia*
09:10-09:30	G4-4A3®	**Recovery measure of disruption in train operation in Tokyo metropolitan area** N. Hibino[1], O. Nagaoka[1]*, S. Morichi[1], H. Ieda[1], N. Tomii[1], [1]*GRIPS, Japan*
09:30-09:50	G4-4A4®	**Which are the critical parameters assessing the driving performance of drivers with cerebral diseases? A literature review** D. Pavlou[1], I. Beratis[2], S. Fragkiadaki[2], D. Kontaxopoulou[2], G. Yannis[1]*, A. Economou[2], S. Papageorgiou[2], [1]*National Technical University of Athens, Greece,* [2]*National and Kapodistrian University of Athens, Greece*

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G5: Transport Security		
Monday, 11 July		
G5 – 2B - Transport Security Room: ZHB405 Session Chair: Wafa Elias		
10:50-11:10	G5-2B1®	**Towards an integrated evaluation smoke or toxic gas dispersion and the pedestrian evacuation of subway station** Z. Qian[1]*, B. Agnew[1], R. Palacin[1], *[1]Newcastle University, UK*
11:10-11:30	G5-2B2®	**Implementation in Taiwan of the Data-Driven Approaches to Crime and Traffic Safety (DDACTS) model** P.F. Kuo[1]*, *[1]Central Police University, Taiwan*
11:30-11:50	G5-2B3®	**Decision support system tool for assessing vulnerability of national highway networks: Case of Chao Phraya river basin flood in Thailand** S. Jansuwan[1]*, A. Chen[2], K. Subprasom[3], K. Pinthong[4], *[1]National Institute of Development Administration, Thailand, [2]Utah State University, USA, [3]Planning Bureau, Thailand, [4]Southeast Asia Technology Group, Thailand*
11:50-12:10	G5-2B4®	**Measuring stations surveillance quality for security and personal safety** M. Rahaman[1], G. Currie[1]*, C. Muir[2], *[1]Monash University, Institute of Transport Studies, Australia, [2]Monash University Accident Research Centre, Australia*
Wednesday, 13 July		
G5 – 4A - Travel Behaviour Room: ZHB405 Session Chair: Sunanda Dissanayake		
08:30-08:50	G5-4A1®	**Uncommon leisure traffic - Analysis of travel behaviour of visitors** D. Bieland[1]*, C. Sommer[1], C. Witte[1], *[1]University of Kassel, Germany*
08:50-09:10	G5-4A2	**Effectiveness of Transportation Demand Management Measures: A Comparative Analysis of Two Urban Areas** W-S. Ng[1,2]*, *[1]Stanford University, USA, [2]Organisation for Economic Co-operation and Development (OECD), France*
09:10-09:30	G5-4A3®	**Assessing the impacts of transportation demand management policies on mode choice behavior of car commuters with simple work tours** M. Khaloei[1], M. Habibian[1]*, *[1]Amirkabir University of Technology, Iran*
09:30-09:50	G5-4A4®	**Understanding cyclists' risky route choice behavior on urban road sections** Y. Ni[1,2]*, R. Song[1], K.P. Li[1], *[1]Tongji University, China, [2]Safetrec of UC Berkeley, USA*
09:50-10:10	G5-4A5®	**Evaluation of pedestrians' sidewalk behaviour in developing countries using conjoint analysis** W.M.V.S.K. Wickramasinghe[1], S. Dissanayake[2]*, *[1]University of Peradeniya, Sri Lanka, [2]Kansas University, USA*
G5 - 4D - New Mobilities Room: ZHB405 Session Chair: Milos Balac		
15:30-15:50	G5-4D1	**Implementing public bicycle sharing system: Korean cases and implications** J. Park[1]*, K. Park[1], J. Kang[1], *[1]The Korea Transport Institute, Republic of Korea*
15:50-16:10	G5-4D2®	**Research on operation characteristics of car sharing service stations: A case study of 'Chefenxiang' car sharing program in Hangzhou** Y. Hui[1], M.T. Ding[1]*, C. Qian[1], W. Wang[1], Q. Xu[1], *[1]Tongji University, China*

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16:10-16:30	G5-4D3®	**Development of a bicycle ridership model for urban India** S. Basu[1], V. Vasudevan[1]*, [1]*Indian Institute of Technology Kanpur, India*
16:30-16:50	G5-4D4	**Dynamic bike redistribution strategies considering on-site demand patterns for bike sharing systems** J-S. Chen[1]*, Y-T. Hsu[1], [1]*National Taiwan University, Taiwan*
16:50-17:10	G5-4D5	**Modelling the impact of parking price policies on free-floating car sharing: Case study for Zurich, Switzerland** M. Balac[1]*, F. Ciari[1], R. Waraich[1], [1]*ETH Zurich, Switzerland*
Thursday, 14 July		
G5 - 5A - Planning and Policy (4) Room: ZHB405 Session Chair: Corinne Mulley		
08:30-08:50	G5-5A1®	**Study job accessibility of affordable housing residents: A case study of Beijing** C. Zhang[1]*, J. Man[2], [1]*Beiing Jiaotong University, China,* [2]*Indiana University Bloomington, USA*
08:50-09:10	G5-5A2®	**Using theories of implementation and planning enforcement to enhance travel planning practice for new residential developments** C. De Gruyter[1]*, G. Rose[1], G. Currie[1], [1]*Monash University, Australia*
09:10-09:30	G5-5A3®	**The Evaluation of curb parking charge management policy in Shenzhen** G.L. Lv[1]*, F. Tian[1], Y. Lu[1], [1]*Shenzhen Urban Transportation Planning Center, China*
09:30-09:50	G5-5A4®	**Household parking availability: Impacts on travel behaviour and car ownership** P. Christiansen[1]*, N. Fearnley[1], J.U. Hanssen[1], K. Skollerud[1], [1]*Institute of Transport Economics, Norway*
09:50-10:10	G5-5A5	**The Brisbane BRT Network in Australia: When and how much has this added to residential land values?** C. Mulley[1]*, L. Ma[1], B. Sampeio[1], [1]*University of Sydney, Australia,* [2]*Universidade Federal de Pernambuco, Brazil*

G6: Disaster Resilience in Transport		
Monday, 11 July		
G6 – 2C - Disaster Resilience in Transport Room: ZHB406 Session Chair: Huapu Lu		
13:30-13:50	G6-2C1®	**Measuring transport resilience in New Zealand** M. Imran[1]*, C. Cheyne[1], [1]*Massey University, New Zealand*
13:50-14:10	G6-2C2®	Presentation withdrawn
14:10-14:30	G6-2C3	**Transport issues after cascading disasters in Fukushima** I. Yoshida[1]*, [1]*Fukushima University, Japan*
14:30-14:50	G6-2C4	**Locations of two-level disaster relief facilities for vulnerable networks: Case study of Nantou, Taiwan** H-H. Huang[1], Y-T. Hsu[1]*, [1]*National Taiwan University, Taiwan*

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14:50-15:10	G6-2C5®	**Performing a regional transportation asset extreme weather vulnerability assessment** M. Abkowitz[1]*, A. Jones[2], L. Dundon[1], J. Camp[1], *[1]Vanderbilt University, USA, [2]Tennessee Department of Transportation, USA*
G6 - 2D - Disaster Resilience in Transport and Ports Management Room: ZHB406 Session Chair: Ashish Verma		
15:30-15:50	G6-2D1®	**Port risk management in container terminals** P.L. Pallis[1]*, *[1]University of Piraeus, Greece*
15:50-16:10	G6-2D2	**A cross-nested dynamic logic model of evacuation behavior using conditional choice probabilities: A case study of the Great East Japan Earthquake** G. Troncoso Parady[1]*, E. Hato[1], *[1]The University of Tokyo, Japan*
16:10-16:30	G6-2D3®	**Managing waiting time for different aircraft operators in immediate disaster response** S. Choi[1]*, S. Hanaoka[1], *[1]Tokyo Institute of Technology, Japan*
16:30-16:50	G6-2D4	**A traffic flow model for pedestrian - vehicle interactions during evacuations** F. Muñoz[1,2], R. Giesen[1,2]*, J.C. Herrera[1,2], *[1]Pontificia Universidad Católica de Chile, Chile, [2]CIGIDEN, Chile*
16:50-17:10	G6-2D5®	**Climate change and adaptation planning for ports: A global study** H. Zhang[1,2], A.K.Y. Ng[1,2]*, *[1]University of Manitoba, Canada, [2]University of Manitoba Transport Institute, Canada*

TOPIC H: TRANSPORT IN DEVELOPING AND EMERGING COUNTRIES

H1: Institutions, Governance and Capacity Building in Developing Countries

Monday, 11 July

H1 – 2C - Governance, Institutions and Politics Room: NB205 Session Chair: Luis A. Guzman		
13:30-13:50	H1-2C1®	**Air traffic development in ASEAN: An airport capacity analysis** I. Laplace[1], E. Malavolti[1,2]*, *[1]ENAC, France, [2]Toulouse School of Economics, France*
13:50-14:10	H1-2C2®	**Implications of vertical unbundling on Indian Railways: Lessons from German railway reform** R. Gangwar[1]*, G. Raghuram[2], *[1]Manipal University Jaipur, India, [2]Indian Institute of Management Ahmedabad, India*
14:10-14:30	H1-2C3®	**Analysis to assess potential river for cargo transport in Indonesia** M. Fathoni[1]*, P. Pradono[1], I. Syabri[1], S.Y. Rachmat[1], *[1]Bandung Institute of Technology, Indonesia*
14:30-14:50	H1-2C4®	**Negotiating territory: Strategies of informal transport operators to access public space in urban Africa and Latin America** D. Heinrichs[1]*, M. Goletz[1], B. Lenz[1], *[1]Institute of Transport Research, Germany*
14:50-15:10	H1-2C5®	**University campus giantism: Accessibility problems in UFPE's case** D.G. Vasconcelos[1], M.M. Monteiro[1], L.H. Meira[1]*, M.O. Andrade[1], *[1]Universidade Federal de Pernambuco, Brazil*

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H1 - 2D - Decision-Making and Partnerships Room: NB205 Session Chair: Dirk Heinrichs		
15:30-15:50	H1-2D1®	**Understanding decision makers' perceptions of Chiang Mai city's transport problems - An application of Causal Loop Diagram (CLD) methodology** P. Jittrapirom[1,3]*, H. Knoflacher[1], M. Mailer[2], *[1]Vienna University of Technology, Austria, [2]University of Innsbruck, Austria, [3]Radboud University, The Netherlands*
15:50-16:10	H1-2D2®	**Observed differences in industrial organization of corruption between Asia and Africa** A.P. Talvitie[1]*, *[1]Aalto University, Finland*
16:10-16:30	H1-2D3®	**Parsing competitive dialogue in Public-Private Partnerships (PPP): Emergence of capability search** F.D. Amonya[2]*, *[1]Lyciar, UK, [2]University of London, UK*
16:30-16:50	H1-2D4®	**Road safety awareness and comprehension of road signs from international tourist's perspectives: A case study of Thailand** K. Choocharukul[1]*, K. Sriroongvikrai[1], *[1]Chulalongkorn University, Thailand*
Tuesday, 12 July		
H1 – 3B - Multimodal Transport Policy Room: NB205 Session Chair: Jose Luis Irigoyen		
10:30-10:50	H1-3B1®	**Multi-level policy tensions in Bus Rapid Transit (BRT) development in low-income Asian cities** E. Wijaya[1], M. Imran[1]*, J. McNeill[1], *[1]Massey University, New Zealand*
10:50-11:10	H1-3B2	**Power relations in the development of bus rapid transit in Quito, Ecuador** A. Guzman[1]*, I. Philips[1], G. Marsden[1], K. Lucas[1], *[1]Institute for Transport Studies, UK*
11:30-11:30	H1-3B3	**Implementation of urban transport authority, what model of management and organization of a public transit service by bus in Algiers?** L. Chabane[1]*, *[1]CREAD, Algeria*
11:30-11:50	H1-3B4	**Transport governance of 'International best practices': challenges of public transport policy development in Ahmedabad and Bogotá** D.R. Oviedo Hernandez[1]*, R. Joshi[1], *[1]University College London, UK, [2]CEPT University, India*

H2: Planning, Financing, Socio-Economic Impact Evaluation in Developing Countries		
Monday, 11 July		
H2 – 2B - Public Transport Quality and Affordability Room: NB207 Session Chair: Arturo Ardila Gomez		
10:50-11:10	H2-2B1®	**Towards the development of quality standards for public transport services in developing countries: Analysis of public transport user's behavior** A.M. Ngoc[1]*, K.V. Hung[2], V.A. Tuan[3], *[1]University of Transport and Communications, Vietnam, [2]National Traffic Safety Committee, Vietnam, [3]Vietnamese-German University, Vietnam*

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11:10-11:30	H2-2B2®	**Analysis of attributes influencing public transport's demand in a choice context between BRT and motorcycle taxi** L. Márquez[1], R. Pico[2], V. Cantillo[3]*, *[1]Universidad Pedagógica y Tecnológica de Colombia, Colombia, [2]Universidad Pontificia Bolivariana, Colombia, [3]Universidad del Norte, Colombia*
11:30-11:50	H2-2B3	**Linking inequalities in daily mobility and transport expenditure in a Latin-American metropolis. The case of Guadalajara (Mexico)** L. Diaz Olvera[1], P. Lestruhaut[1], D. Plat[1], P. Pochet[1]*, *[1]LAET - Transport Urban Planning Economics Laboratory, France*
11:50-12:10	H2-2B4®	**Measuring destination accessibility by public transport incorporating user affordability: A case of Cape Town, South Africa** I. Aivinhenyo[1]*, M.P. Zuidgeest[1], M.B. van Ryneveld[1], *[1]University of Cape Town, South Africa*
Wednesday, 13 July		
H2 - 4A - Parking, Barrier Effect, and CO2 Room: NB207 Session Chair: Pierre Graftieaux		
08:30-08:50	H2-4A1®	**Uncertainty of greenhouse gas emission models: Colombian transportation sector as a case of study** M.M. Valenzuela[1]*, M. Espinosa[1], E.A. Virguez[1], E. Behrentz[1], *[1]Universidad de los Andes, Colombia*
08:50-09:10	H2-4A2®	**Police stations, criminal offences and mobility infrastructure: Operational analysis in Manizales - Colombia** D.A. Escobar García[1]*, D.R. Oviedo Hernandez[2], J.M. Holguin Cardenas[1], C.A. Moncada Aristizabal[1,2], *[1]National University of Colombia, Colombia, [2]University College London, UK*
09:10-09:30	H2-4A3®	**Parking management policies based on behavior analysis at faith district in Istanbul, Turkey** A. Dogru[1]*, S. Malaitham[2], M. Okamura[3], A. Fukuda[2], T. Fukuda[2], *[1]Istanbul Municipality, Turkey, [2]Nihon University, Japan, [3]ALMEC Corporation, Japan*
09:30-09:50	H2-4A4®	**Urban impacts due to barrier effect caused by road duplication: The case of Goianinha -RN Brazil** L.T. Tavares[1], M.O.A. Oliveira de Andrade[1]*, M.L.A.M. Alves Maia[1], *[1]Universidade Federal de Pernambuco, Brazil*
H2 – 4B - Land Use, Access, Location Choice Room: NB207 Session Chair: Antti Talvitie		
10:30-10:50	H2-4B1®	**The access as a determinant variable on residential location choice of low-income households in Bogotá** J.P. Bocarejo[1], L.A. Guzmán[1]*, I.J. Portilla[1], D.F. Meléndez[1], A.M. Gómez[1], C.I. Rivera[1], *[1]Universidad de Los Andes, Colombia*
10:50-11:10	H2-4B2®	**Relocating 38,000 people for an urban Toll Road in Dakar, Senegal** P. Graftieaux[1]*, *[1]World Bank, Australia*
11:10-11:30	H2-4B3	**Urban mobility and metro projects in India: Contestations and politics in executing Hyderabad metro rail project** R. Chigurupati[1]*, *[1]Centre for Economic and Social Studies (CESS), India*

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11:30-11:50	H2-4B4®	**Evaluation of land use density, diversity and ridership of rail based public transportation system** S.N.A.M. Zulkifli[1], A.A.K. Hamsa[1]*, N. Mohd Noor[1], M. Ibrahim[1], *[1]International Islamic University Malaysia, Malaysia*
11:50-12:10	H2-4B5®	**Rural accessibility mapping in the South African context** M.J.W.A. Vanderschuren[1], S.R. Phayane[1], J.L. Baufeldt[1]*, *[1]University of Cape Town, South Africa*
H2 - 4D - Logistics, Scenarios, and Facilities Room: NB207 Session Chair: Binyam Reja		
15:30-15:50	H2-4D1®	**An inquiry into the analysis of the transport & logistics sectors' role in economic development** Y. Candemir[1]*, D. Celebi[1], *[1]Istanbul Technical University, Turkey*
15:50-16:10	H2-4D2®	**Havana's future transportation system: Alternative scenarios** H. Blanco[1], A.V. Moudon[2]*, *[1]University of Southern California, USA, [2]University of Washington, USA*
16:10-16:30	H2-4D3®	**The evolution of rural school transportation in Brazil** W. Carvalho[1]*, P. Leite[2], Y. Yamashita[3], *[1]Federal University of Goiás, Brazil, [2]Setransp, Brazil, [3]University of Brasília, Brazil*
16:30-16:50	H2-4D4®	**Methodology for evaluating walking facilities based on types of obstructions observed on footpath of Indian roads** M. Advani[1]*, P. Parida[1], M. Parida[1], *[1]Central Road Research Institute, India*
16:50-17:10	H2-4D5®	**Bangkok miracle: How can it turn from traffic hell to transit oriented city?** V. Wasuntarasook[1], Y. Hayashi*[1], V. Vichiensan[3], H. Kato[1], K. Nakamura[2] *[1]Nagoya University, Japan, [2]Kagawa University, Japan, [3]Kasetsart University, Thailand*

H3: Infrastructure Operation and Traffic Management in Developing Countries

Monday, 11 July

H3 – 2B - Infrastructure Operation and Traffic Management in Developing Countries -1
Room: NB208
Session Chair: Ashish Verma

10:50-11:10	H3-2B1®	**Study of acceleration-deceleration behavior of various vehicle types in India** P.S. Bokare[1], A.K. Maurya[2]*, *[1]RSR Rungta College of Engineering and Technology, India, [2]Indian Institute of Technology Guwahati, India*
11:10-11:30	H3-2B2®	**Modelling overloaded heavy vehicles with Multi-Class kinematic wave traffic flow formulation** X. Wang[1]*, X.H. Chen[1], Z.X. Deng[2], *[1]Tongji University, China, [2]University of Maryland, USA*
11:30-11:50	H3-2B3®	**A methodology for calibration of traffic micro-simulation for heterogeneous traffic environment with vehicle-specific driving behavior** P. Maheshwary[1], K. Bhattacharyya[1]*, B. Maitra[1], M. Boltze[2], *[1]Indian Institute of Technology Kharagpur, India, [2]Technische Universität Darmstadt, Germany*

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11:50-12:10	H3-2B4®	**Sensation seeking behavior and crash involvement of Indian bus drivers** A. Verma[1]*, N. Chakroborty[2], S. Velmurugan[2], P. Bhat[1], D. Kumar[1], *[1]Indian Institute of Science, India, [2]Central Road Research Institute, New Delhi, India*
H3 – 2C - Infrastructure Operation and Traffic Management in Developing Countries -2 Room: NB208 Session Chair: Bhargab Maitra		
13:30-13:50	H3-2C1®	**Assessment of driving behaviour and safe driving skills of goods vehicle drivers in India** N. Chakrabarty[1], K. Gupta[1], S. Velmurugan[1]*, R. Rikku[1], *[1]Central Road Research Institute, India*
13:50-14:10	H3-2C2®	**Road traffic accidents in India: Issues and challenges** S.K. Singh[1]*, *[1]Indian Institute of Management Lucknow, India*
14:10-14:30	H3-2C3	**Speed control measures on Indian roads: Effectiveness, design deficiencies and driver perceptions** S.K. Annam[1], B. Maitra[1], M. Boltze[2], J.R. Sarkar[3]*, *[1]Indian Institute of Technology, Kharagpur, India, [2]Technische Universität Darmstadt, Germany, [3]JR Sarkar and Associates, India*
14:30-14:50	H3-2C4®	Presentation moved to H3-PO1®
14:50-15:10	H3-2C5	**Microscopic study on role of young drivers in road crashes: A case study in India** M. Mohanty[1], A. Gupta[1]*, *[1]IIT Bhubaneswar, India, [2]IIT Varanasi (BHU), India*
H3 - 2D - Infrastructure Operation and Traffic Management in Developing Countries -3 Room: NB208 Session Chair: Vu Anh Tuan		
15:30-15:50	H3-2D1®	**Effect of gradient on pedestrian flow characteristics under mixed flow conditions** A. Gupta[1]*, B. Singh[2], N. Pundir[3], *[1]IIT (BHU) Varanasi, India, [2]IIT Roorkee, India, [3]NIT Hamirpur, India*
15:50-16:10	H3-2D2®	**Evaluation of pedestrian behaviour across different facilities inside a railway terminal** P. Monalisa[2], S. Eswar[1]*, K.V.R. Ravi Shankar[1], *[1]NIT Warangal, India, [2]IIT Bombay, India*
16:10-16:30	H3-2D3®	**Estimation of free speed of pedestrian flow on stairways at busy suburb rail transit station in India** J.H. Shah[1]*, G.J. Joshi[1], S.S. Arkatkar[1], P.P. Parida[2], *[1]S V National Institute of Technology, India, [2]CSIR-CRRI New Delhi, India, [3]Institute of Infrastructure Technology Research and Management, India*
16:30-16:50	H3-2D4®	**Travel time reliability analysis on selected bus routes in India: A case study in Mysore city** C.H. Akhilesh[1], S. Joshi[3], S. Arkatkar[1]*, G.J. Joshi[1], B. Ashish[2], *[1]SVNIT, India, [2]Queensland University Of Technology, Australia, [3]Nirma University, India*
16:50-17:10	H3-2D5®	**Influence mechanism of integrated multimodal travel information on holiday activity travel scheduling in China** B. Wang[1]*, C. Shao[1], X. Ji[1], *[1]Beijing Jiaotong University, China*

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Tuesday, 12 July		
H3 - 3A - Infrastructure Operation and Traffic Management in Developing Countries -4 Room: NB208 Session Chair: S. S. Arkatkar		
08:30-08:50	H3-3A1®	**Effect of traffic composition and emergency lane on capacity: A case study of intercity expressway in India** M. Jabeena[1], M. Sonu[1], S.S. Arkatkar[1]*, G.J. Joshi[1], K. Ravinder[2], *[1]Sardar Vallabhai National Institute of Technology, India, [2]Central Road Research Institution, India*
08:50-09:10	H3-3A2®	**Time headway analysis for four-lane and two-lane roads** S. Das[1], A.K. Maurya[1]*, *[1]IIT Guwahati, India*
09:10-09:30	H3-3A3®	**Development of refined model for critical gap estimation based on deviation of accepted and rejected gaps** R. Bhasin[1], S. Velmurugan[1]*, M. Advani[1], P.V. Pradeep Kumar[1], *[1]Central Road Research Institute, India*
09:30-09:50	H3-3A4	**Sensitivity analysis for degradable urban traffic network based on stochastic dynamic traffic assignment model** X. Ji[1]*, C. Shao[1], B. Wang[1], *[1]Beijing Jiaotong University, China*
09:50-10:10	H3-3A5®	**Evaluation of influence of roadside frictions on the capacity of roads in Delhi, India** A.M. Rao[1]*, S. Velmurugan[1], K. Lakshmi[2], *[1]Central Road Research Institute, India, [2]JNTU College of Engineering, India*
H3 – 3B - Infrastructure Operation and Traffic Management in Developing Countries -5 Room: NB208 Session Chair: Ming Zhong		
10:30-10:50	H3-3B1®	**Measuring induced travel demand in the context of developing countries: State-of-art review and future research direction** M.L. Rahman[1], M. Kamruzzaman[1]*, D. Baker[1], *[1]Queensland University of Technology, Australia*
10:50-11:10	H3-3B2®	**Vehicle category-wise speed-volume relationship under heterogeneous traffic condition for two-lane bidirectional traffic** S. Dey[1], A.K. Maurya[1]*, *[1]Indian Institute of Technology Guwahati, India*
11:30-11:30	H3-3B3®	**Analysis of stressors' interconnectedness: A pathway for cumulative effects assessment of an urban road transport system in Dhaka** S. Afroze[1], A. Allan[1]*, S. Somenahalli[1], *[1]University of South Australia, Australia*
11:30-11:50	H3-3B4®	**Effect of traffic mix on capacity of urban arterial roads** A. Dhamaniya[1], S. Chandra[1]*, *[1]SV National Institute Of Technology, India*
11:50-12:10	H3-3B5®	**Assessment of benefits from coordinated signal operations using micro-simulation: A case study of an urban arterial with heterogeneous non-lane based traffic** B. Paul[1], B. Maitra[1], S. Mitra[1]*, *[1]Indian Institute of Technology Kharagpur, India*
H3 - 3D - Infrastructure Operation and Traffic Management in Developing Countries -6 Room: NB208 Session Chair: Akhilesh Kumar Maurya		
15:30-15:50	H3-3D1®	**Effect of driver compliance with varying traffic composition on roadway capacity of Expressways in India** B. Maniraj Singh[2], P. Kumar[1], N. Bharadwaj[1], S.S. Arkatkar[1]*, G.J. Joshi[1], *[1]SVNIT Surat, India, [2]TRANS AXIOM, India*

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15:50-16:10	H3-3D2®	**Developing proximal safety indicators for assessment of un-signalized intersection - A case study in Surat** K.A. Srinivasula Reddy[1], S.S. Arkatkar[1]*, G.J. Joshi[1], *[1]SVNIT Surat, India*
16:10-16:30	H3-3D3®	**Effect of sample size and bin size variation on traffic speed study** G. Mahapatra[1], S. Das[1], A.K. Maurya[1]*, *[1]Indian Institute of Technology Guwahati, India*
16:30-16:50	H3-3D4	**The impact of rainfall on classified traffic volume on an urban arterial in India** P. Sahu[1], S. Malika[1], G. Patil[2]*, S. Sharma[3], H.J. Roh[4], *[1]Birla Institute of Technology and Science Pilani, India, [2]Indian Institute of Technology Bombay, India, [3]University of Regina, Canada, [4]City of Regina, Canada*
16:50-17:10	H3-3D5®	**Conceptual approach of estimating PCU at roundabouts** A. Dhamaniya[1], S. Mathew[1], S.S. Arkatkar[1]*, G.J. Joshi[1], *[1]SV National Institute Of Technology, India*

H4: Regional and Interregional Transport in Developing Countries		
Tuesday, 12 July		
H4 – 3B - Multimodal Regional Transportation in Developing Countries Room: NB209 Session Chair: Hanaoka Shinya		
10:30-10:50	H4-3B1	**Liberalization in Southeast Asia: Who is capturing the markets?** N. Lenoir[1]*, I. Laplace[1], *[1]ENAC, France*
10:50-11:10	H4-3B2®	**Deregulation of the ASEAN air transport market: Measure of impacts on local economies** C. Latge-Roucolle[1,2]*, I. Laplace[1,2], *[1]ENAC, France, [2]Université de Toulouse, France*
11:30-11:30	H4-3B3®	**Access to Recife International Airport from the integrated metropolitan public transport system** C.F.R. Oliveira[1], D.G. Vasconcelos[1], P.H.A.L. Campos[1], M.O. Andrade[1]*, L.H. Meira[1], *[1]Universidade Federal de Pernambuco, Brazil*
11:30-11:50	H4-3B4®	**Feasibility of integrating multimodal transport in Chennai** R.K. Nikhil[1], S. Geetha[1]*, S. Kalaanidhi[1], K. Gunasekaran[1], *[1]Anna University, India*
11:50-12:10	H4-3B5®	**Analyzing mode choice for inter-regional travel in India** A. Jana[1]*, V. Varghese[1], *[1]Indian Institute of Technology Bombay, India*
Wednesday, 13 July		
H4 – 4B - Green Regional Transportation in Developing Countries Room: NB209 Session Chair: Meng Li		
10:30-10:50	H4-4B1®	**The significance of non-motorized transport interventions in South Africa - a rural and local municipality focus.** M.M. Mokitimi[1]*, M. Vanderschuren[1], *[1]University of Cape Town, South Africa*
10:50-11:10	H4-4B2	**Improving interchanges in China** R. Hickman[1]*, C-L. Chen[1,2], A. Chow[1], S. Saxena[1,3], *[1]UCL, UK, [2]Xi'an Jiaotong-Liverpool University, China, [3]ADB, The Philippines*
11:30-11:30	H4-4B3®	**Finding trend of advanced ticket booking in Indian railways** A.K. Budhkar[1]*, S. Das[1], *[1]IIT Guwahati, India*

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11:30-11:50	H4-4B4	**A qualitative analysis of the transportation problems of landlocked developing countries: The case of Lao People's Democratic Republic (PDR)** D. Soysouvanh[1]*, *[1]Leeds University, UK*
11:50-12:10	H4-4B5®	**Understanding the rural school transportation waterway in the Brazilian Amazon region** W.C. Carvalho[1]*, R.R. Maia-Pinto[2], M.F. Alves[2], J.A. Aragão[3], *[1]Federal University of Goiás, Brazil, [2]Naus do North Indústria e Comércio de Embarcações, Brazil, [3]University of Brasilia, Brazil*
H4 - 4D - Regional Roads and Logistics in Developing Countries Room: NB209 Session Chair: Yuhui Jiao		
15:30-15:50	H4-4D1	**South Asia's container ports: A comprehensive performance assessment** M. Herrera Dappe[1]*, A. Suarez-Aleman[1], *[1]The World Bank, USA*
15:50-16:10	H4-4D2	**Spatial patterns of landside trade impedance in containerized South American exports** K.C. Tiller[1], J.C. Thill[1]*, *[1]University of North Carolina Charlotte, USA*
16:10-16:30	H4-4D3®	**The impact of distance and national transportation system on FDI and trade patterns: Results from South Asia** T. Halaszovich[1], A. Kinra[2]*, *[1]University of Bremen, Germany, [2]Copenhagen Business School, Denmark*
16:30-16:50	H4-4D4®	**Impact of side friction on capacity of rural highways in India** S. Pal[1]*, S.K. Roy[2], *[1]IIEST, India, [2]IIEST, India*
16:50-17:10	H4-4D5®	**Development of decision support system for evaluating spatial efficiency of regional transport logistics** P. Srisawat[1,2]*, N. Kronprasert[1,2], K. Arunotayanun[1,2], *[1]Excellence Center in Infrastructure Technology and Transportation Engineering (ExCITE), Thailand, [2]ChiangMai University, Thailand*

H5: Urban Transport in Developing Countries		
Monday, 11 July		
H5 – 2C - Urban Mobility Room: NB210 Session Chair: Anthony May		
13:30-13:50	H5-2C1®	**Indian Auto- Mobility in 2020** A. Verma[1]*, S. Velmurugan[4], S. Singh[3], A. Gurtoo[1], T.V. Ramanayya[2], R. Kambhampati[1], *[1]Indian Institute of Science, Bangalore, India, [2]Indian Institute of Management, Bangalore, India, [3]Indian Institute of Management, Lucknow, India, [4]Central Road Research Institute, New Delhi, India*
13:50-14:10	H5-2C2®	**Mobility difficulties to low income people living in peripheral hill areas in Recife Brazil** F.C.O. Oliveira[1], M.O.A. Andrade[1]*, *[1]Universidade Federal de Pernambuco, Brazil*
14:10-14:30	H5-2C3®	**Sustainable transport development in mega cities by transferring new mobility concepts to developing countries** S. Metz[1], A. Sohr[1]*, X. Bei[1], M. Wölki[1], M. Behrisch[1], *[1]German Aerospace Center, Germany*

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14:30-14:50	H5-2C4	**Are Southeast Asian cities a new fertile ground for innovations in urban mobility? Evidence from taxi services in Kuala Lumpur and Ho Chi Minh City** M. Eskenazi[1]*, V. Boutueil[1], *[1]Laboratoire Ville Mobilité Transport - Ecole des Ponts ParisTech / IFSTTAR / Université Paris-Est Marne-la-Vallée, France*
14:50-15:10	H5-2C5	**Changes of daily mobility patterns in Dakar (Senegal)** L. Diaz Olvera[1], D. Plat[1], P. Pochet[1]*, *[1]LAET - Transport Urban Planning Economics Laboratory, France*
H5 - 2D - Urban Travel Behaviour Room: NB210 Session Chair: Atsushi Fukuda		
15:30-15:50	H5-2D1®	**Travel demand elasticity analysis for non-voluntary purpose trips by heterogeneous travelers in Indian metropolitan city, Surat** N. Vasudevan[1], S.S. Arkatkar[1], G.J. Joshi[1]*, *[1]S V National Institute of Technology, India*
15:50-16:10	H5-2D2®	**Does connectivity index of transport network have impact on delay for driver?** R. Kumar[1]*, P. Parida[1], E. Madhu[1], A.B. Kumar[1,2], *[1]CSIR-Central Road Research Institute New Delhi, India, [2]JNTU Hyderabad, India*
16:10-16:30	H5-2D3®	**User satisfaction of Songtaew in Thailand: Case study of Khon Kaen city** P. Wongwiriya[1]*, F. Nakamura[1], S. Tanaka[1], R. Ariyoshi[1], *[1]Yokohama National University, Japan*
16:30-16:50	H5-2D4	**Factors influencing car ownership decisions among urban youths in a developing country like India** M. Verma[1]*, M. Manoj[2], A. Verma[2], *[1]M.S.Ramaiah Institute of Management, India, [2]Indian Institute of Science Bangalore, India*
Tuesday, 12 July		
H5 - 3A - Urban Transit and Paratransit Room: NB210 Session Chair: Varameth Vichiensan		
08:30-08:50	H5-3A1®	**Effectiveness of restricting unauthorized shared tempo system: A user's perspective** S. Jain[1], V. Vasudevan[1]*, *[1]Indian Institute of Technology Kanpur, India*
08:50-09:10	H5-3A2®	**Urban taxi ridership analysis in the emerging market: Case study in Shanghai** W-Q. Ge[1]*, D. Shao[1], M-G. Xue[1], H. Zhu[1], J. Cheng[1], *[1]Shanghai Urban-Rural Construction and Transportation Development Research Institute, China*
09:10-09:30	H5-3A3®	**Guidelines for integrated public transport network definitions with operational approach** M.I. Vanderlei[1]*, O.C.C. Lima Neto[1], L.H. Meira[1], *[1]Universidade Federal de Pernambuco, Brazil*
09:30-09:50	H5-3A4®	**Smartcard data, bus commuting and policy scenarios: A case study of Beijing** J. Zhou[1]*, Y. Long[1], *[1]University of Queensland, Australia*
09:50-10:10	H5-3A5	**Operational impacts of platform doors in metros** A. Barron[1]*, S. Canavan[1], R. Anderson[1], J. Cohen[1], *[1]Imperial College London, UK*

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H5 – 3B - Urban Development Room: NB210 Session Chair:		
10:30-10:50	H5-3B1®	**Analysis of mobility on universities campuses in metropolises of emerging countries through the combination of the inductive reasoning and the monographic procedure methods** R. Prosini[1]*, M.O. Andrade[1], A. Brasileiro[1], *[1]Federal University of Pernambuco, Brazil*
10:50-11:10	H5-3B2®	**Comparison between assessed land value and actual land value using Hedonic price model: A case study in Bangkok metropolitan area** S. Malaitham[1]*, A. Fukuda[1], V. Vichiensan[2], V. Wasuntarasook[3], *[1]Nihon University, Japan, [2]Kasetsart University, Thailand, [3]Nagoya University, Japan*
11:10-11:30	H5-3B3	**Land-use and transport mode choice in a planned peri-urban area in India** P.A. Pathak[1], R. Deshpande[1], G. Agrawal[1,2]*, *[1]Shiv Nadar University, India, [2]TRIPP, IIT Delhi, India*
11:30-11:50	H5-3B4	**Investigation into the relationship between car emissions, fuel consumption, traffic flow characteristics and land use types on street segment in Cairo** A.S. Huzayyin[1]*, A. Youssef[1], *[1]Professor, Transport and Traffic Engineering and Planning Faculty of Engineering, Cairo University, Egypt, [2]Transport Research Expert, Transportation Programme, DRTPC, Cairo University, Egypt*
11:50-12:10	H5-4D1®	**Impacts of motorcycle demand management in Yangon, Myanmar** H. Inaba[1], H. Kato[1]*, *[1]The University of Tokyo, Japan*
H5 - 3D - Traffic and Safety Policy Room: NB210 Session Chair: Hironori Kato		
15:30-15:50	H5-3D1®	**Exploring drivers' behavior and preferences towards speeds using crash data and self-reported questionnaire** H.M. Hassan[2,3]*, M. Shawky[1,3], M. Kishta[1], A.M. Garib[1,2], H.A. Al-Harthei[1,2], *[1]Abu Dhabi Police, United Arab Emirates, [2]Tatweer for Traffic Assets & Systems Operation and Management L.L.C., United Arab Emirates, [3]Ain Shams University, Egypt*
15:50-16:10	H5-3D2®	**Study of inter-vehicular lateral gaps in mixed traffic stream with weak lane-discipline** A.K. Budhkar[1]*, A.K. Maurya[1], *[1]IIT Guwahati, India*
16:10-16:30	H5-3D3®	**Methodological issues in modelling signalized intersection capacity under informal public transport operations: Case study, Harare, Zimbabwe** S. Dumba[1]*, L-D. Vassileva[1], T. Gumbo[1], *[1]University of Zimbabwe, Zimbabwe*
16:30-16:50	H5-3D4®	**Analysis and modelling of vehicle following behaviour in mixed traffic conditions** A. Gowri[1], S. Basheer[1]*, *[1]National Institute of Technology Karnataka, India*
16:50-17:10	H5-3D5	**A Preference study for ridesharing potential by a commuter segmentation, study case: Residential of Kemang Pratama, Bekasi City, Indonesia** I. Kusumantoro[1]*, A.M. Rachman[1], S.Y. Rachmat[1], *[1]Institut Teknologi Bandung, Indonesia*

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Wednesday, 13 July		
H5 - 4A - Bus Rapid Transit Room: NB210 Session Chair: Ali Huzayyin		
08:30-08:50	H5-4A1®	**Impact of BRT on CO2 emission reduction at middle-sized cities in Asia** A. Fukuda[1]*, A. Fillone[2], T. Ishizaka[1], T. Satiennam[3], T. Fukuda[1], S. Malaitham[1], H. Kikuchi[1], S. Phommachanh[4], A. Hatakeyama[1], T. Masujima[5], *[1]Nihon University, Japan, [2]De La Salle University, The Philippines, [3]Khon Kaen University, Thailand, [4]CTI Engineering Co., Ltd., Japan, [5]ALMEC Corporation, Japan*
08:50-09:10	H5-4A2®	**Parameters affecting the overall performance of bus network system at different operating conditions: A structural equation approach** T. Das[1]*, N. Apu[2], S. Hoque[1], M. Hadiuzzaman[1], *[1]Bangladesh University of Engineering and Technology, Bangladesh, [2]Ahsanullah University of Science and Technology, Bangladesh*
09:10-09:30	H5-4A3®	**Influence of psychological factors on mode choice behaviours: Case study of BRT in Khon Kaen City, Thailand** R. Kaewkluengklom[1]*, W. Satiennam[1], S. Jaensirisak[1], T. Satiennam[1], *[1]Khon Kaen University, Thailand*
09:30-09:50	H5-4A4	**Analysis of measures to improve attractiveness of bus services in large cities in emerging countries** L.T. Huong[1], V.A. Tuan[1]*, *[1]Vietnamese- German University, Vietnam*
09:50-10:10	H5-4A5	**Enhancing benefit to urban bus users through optimal service and supply** S. Dandapat[1]*, M.F. Cheranchery[1], B. Maitra[1], *[1]Indian Institute of Technology Kharagpur, India*
H5 – 4B - Bicycle Policy Room: NB210 Session Chair: Lorenza Tomasoni		
10:30-10:50	H5-4B1®	**Bicycle sharing in Asia: A stakeholder perception and possible futures** I.B. Mateo-Babiano[1]*, A. Mejia[1], S. Kumar[1], *[1]The University of Queensland, Australia*
10:50-11:10	H5-4B2®	**Hot or not? On the current and future role of cycling in ASEAN megacities: A case study on Bangkok and Metro Manila** S. Bakker[1,2]*, M.D. Guillen[1,3], P. Nanthachatchavankul[1], M. Zuidgeest[4], C. Pardo[5], M.F.A.M. van Maarseveen[2], *[1]Deutsche Gesellschaft für Internationale Zusammenarbeit, Germany, [2]University of Twente, The Netherlands, [3]Ateneo de Manila University, The Philippines, [4]University of Cape Town, South Africa, [5]Despacio.org, Colombia*
11:10-11:30	H5-4B3®	**Research on users' frequency of ride in Shanghai Minhang bike-sharing system** Y. Tang[1]*, H.X. Pan[2], Y.B. Fei[3], *[1]Zhejiang University, China, [2]Tongji University, China, [3]University of Shanghai for Science and Technology, China*
11:30-11:50	H5-4B4®	**The Kingdom of the Bicycle: What Wuhan can learn from Amsterdam** G. Frame[1]*, A. Ardila-Gomez[1], Y. Chen[1], *[1]World Bank, USA*
11:50-12:10	H5-4B5	**Modelling bike-sharing choice in a developing country with a focus on the impacts of air pollution and weather conditions** W. Li[1]*, M. Kamargianni[1], *[1]UCL Energy Institute, UK*

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H5 - 4D - Motorcycle and Parking Management Room: NB210 Session Chair: Sunder Dhingra		
15:30-15:50	H5-4D2®	**The conundrum of the motorcycle in the mix of sustainable urban transport** P. Jittrapirom[1,3]*, H. Knoflacher[1], M. Mailer[2], *[1]Vienna University of Technology, Austria, [2]Unit for Intelligent Transport Systems, University of Innsbruck, Austria, [3]Radboud University, The Netherlands*
15:50-16:10	H5-4D3®	**Characteristics of travel, activities and action space of young workers riding motorcycles in developing city** T.B. Joewono[1]*, D.S. Santoso[2], L. Adinegoro[1], A.H. Kharisma[1], *[1]Parahyangan Catholic University, Indonesia, [2]Asian Institute of Technology, Thailand*
16:10-16:30	H5-4D4®	**Legalizing the illegal parking, a solution for parking scarcity in developing countries** T.M.T. Truong[1]*, H. Friedrich[2], *[1]Vietnamese German University, Vietnam, [2]Technical University of Darmstadt, Germany*

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