5.4 Poster Programme

TOPIC A: TRANSPORT MODES - GENERAL	
2C - Monday, 11 July: 13:30-15:30	
Session Chair: Mark Hansen	
A1-P01®	**Crowding and passenger flow effects on optimal departure lounge configuration** W. Klumpenhouwer[1]*, A.G. de Barros[1], S.C. Wirasinghe[1], [1]*University of Calgary, Canada*
A1-PO2®	**Research of flight delay propagations effects based on Copula function** W.W. Wu[1]*, C.L. Wu[1], S.P. Qiu[1], [1]*Nanjing University of Aeronautics and Astronautics, China*
A1-PO3®	**The impact of aircraft take-off thrust setting on NO_X emissions** G. Koudis[1], J. Hu[1], A. Majumdar[1], R. North[1], M. Stettler[1]*, [1]*Imperial College London, UK*
A3-PO1®	**Comparison of bus rapid transit and light rail transit systems: A case study of Metro Orange Line and Gold Line in Los Angeles, CA** S. Zhang[1]*, [1]*China Academy of Urban Planning & Design, China,* [2]*Texas A&M University, USA*
A3-PO2®	**Ecology, energy efficiency and resource efficiency as the objectives of rail vehicles renewal** M. Szkoda[1]*, A. Tulecki[1], [1]*Cracow University of Technology, Poland*
A3-PO3®	**Study on train headway in different turning-back mode of urban mass transit station** W.G. Wang[1,2]*, L.H.X. Liu[2], Z.X.Q. Zeng[1], [1]*Tongji University, China,* [2]*CASCO Signal Limited Company, China*
A3-PO4®	**Deformation response of metro tunnels to adjacent tram track construction** Y. Shan[1]*, Q.M. Gong[1], S.H. Zhou[1], X.H. Zhang[1], S.H. Xu[1], Z.G. Zhao[1], [1]*Tongji University, China*
A3-PO5®	**Calculating the value of connection conflicts** A. Stelzer[1], [1]*Technische Universität Darmstadt, Germany*
A3-PO6®	**Measuring the ability of anti-destroying of weighted network for the urban rail transit system: The case study of Guangzhou** M.X. Zhao[1], Q. Gu[1]*, [1]*South China University of Technology, China*
A4-PO1	**Analysis of bus delay factor and real-time prediction model of bus arrival time** Y. Ishikawa[1]*, Y. Matsumoto[1], [1]*Meijo University, Japan*
A4-PO2®	**Evaluating the effects of traffic congestion and passenger load on connecting bus fuel and emissions compared with passenger car** X. Chen[1], X. Shan[1]*, J. Ye[1], F. Yi[1], Y. Wang[1], [1]*Tongji University, China*
A4-PO3®	**Bi-level programming model for exclusive bus lanes configuration in multimodal traffic network** B.F. Si[1]*, M. Zhong[1], [1]*Beijing Jiaotong University, China,* [2]*Wuhan University of Technology, China*

TOPIC B: FREIGHT TRANSPORT AND LOGISTICS	
2D - Monday, 11 July: 15:30-17:10	
Session Chair: Michael Browne	
B1-PO1®	**The modelling of milk-run vehicle routing problem based on improved C-W algorithm that joined time window** M.H. Huangmei[1], S.J.Y. Yangjingshuai[1], T.M. Mateng[1]*, L.X.L. Lixiuli[1], T.W. Wangting[1], [1]*Chang'an University, China*
B1-PO2®	**The overseas development of logistics companies and public policy in Korea** T. Lee[1]*, [1]*The Korea Transport Institute, Republic of Korea*

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B2-PO1®	**Organizational mode innovation and credit supervision in road freight transportation under smart mobile devices applications services** Y. Yu[1]*, Y. Li[1], T. Xia[1], H. Deng[1], L. Bao[1], W. Li[1], *[1]Tongji University, China*
B2-PO2®	**Shandong province road freight structure situation analysis and development strategies** C.D. Chen[1]*, R.H. Zhang[1], L.J. Fan[1], *[1]Shandong University, China*
B2-PO3	**Industry practices in biomass facilities in the Netherlands** I. Dafnomilis[1]*, D. Schott[1], G. Lodewijks[1], *[1]Delft University of Technology, The Netherlands*
B3-PO1®	**Concentration degree of the market of intermodal freight transport networks in the EU: Model application** H. Saeedi[1], B. Wiegmans[1]*, R. Zuidwijk[1], *[1]TU Delft, The Netherlands*
B3-PO2®	**Challenges and innovation opportunities in load multimodal transport - LMT in Brazil: Cluster technique application as a support tool for decision making** A. Maia[1], A. Guimarães[1]*, *[1]Agência Nacional de Transportes Terrestres - ANTT, Brazil*
B4-PO1	**Developing city logistics policy through identifying parcel freight determinants in the City of Seoul** S.B. Seo[1], C. Ahn[2], J-S. Lee[1]*, *[1]The Korea Transport Institute, Republic of Korea, [2]Sungshin Women's University, Republic of Korea*
B4-PO2®	**Assessment of freight transport flows in the city centre based on Szczecin example - Methodological approach and results** K. Kijewska[1]*, S. Iwan[1], K. Konicki[1], D. Kijewski[1], *[1]Maritime University of Szczecin, Poland*
B5-PO1	**A new method to optimize regional railway fast freight route in China** L. Ling[1]*, F. Li[1], *[1]TongJi University, China*
B6-PO1®	**A microeconomic method for valuation of externalities arising from disasters** V. Cantillo[1]*, I. Serrano[1], L. Macea[1], *[1]Universidad del Norte, Colombia*
B6-PO2®	**Analysing impacts of natural disasters on logistics activities: Flood risks and petroleum fuels in Queensland, Australia** W. Wisetjindawat[1], M. Burke[2]*, M. Fujita[1], *[1]Nagoya Institute of Technology, Japan, [2]Griffith University, Australia*

TOPIC C: TRAFFIC MANAGEMENT, OPERATIONS AND CONTROL	
3A - Tuesday, 12 July: 08:30-10:10	
Session Chair: Hideki Nakamura	
C1-PO1	**Calibration of microscopic simulation models for the analysis of un-signalized intersections** S.F.G. Oliveira[1], L. Vasconcelos[1]*, A. Bastos Silva[2], *[1]Polytechnic Institute of Viseu, Portugal, [2]University of Coimbra, Portugal*
C1-PO2®	**Fuzzy neural network system for urban expressway speed prediction under rainy weather** H.Y. Sun[1]*, J.S. Yang[2], Y. Zou[1], L.B. Li[1], B. Wu[1], *[1]Tongji University, China, [2]Qingdao University of Technology, China*
C1-PO3®	**Prediction of arrival flow profile of transit stream on link** Z.P. Liu[1,2]*, K.P. Li[1,2], Y. Ni[2], *[1]Wuhan University of Science and Technology, China, [2]Tongji University, China*
C1-PO4®	**Dissipating transit congestion of emergency events through Information guidance on mobile terminals** K. Bo[1,2]*, J. Teng[1], X. Liu[3], H. Liu[3], H. Shi[1], *[1]Tongji University, China, [2]Shanghai Maritime University, China, [3]China Academy of Transportation Sciences, China*

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C1-PO5®	**Large-scale, high-fidelity dynamic traffic assignment: Framework and real-world case studies** Q. Yang[1]*, R. Balakrishna[1], D. Morgan[1], H. Slavin[1], *[1]Caliper Corporation, USA*
C1-PO6®	**Research on the Macroscopic Fundamental Diagram for Shanghai urban expressway network** X.S. Shi[1]*, H.F. Lin[1], *[1]Tongji University, China*
C1-PO7®	**Modelling the various merging behaviors at expressway on-ramp bottlenecks using support vector machine models** E.G. Wang[1]*, J. Sun[1], S. Jiang[1], F. Li[2], *[1]Tongji University, China, [2]Institute of Highway, Ministry of Transport, China*
C1-PO8®	**Analysis on drivers' parking lot choice behaviors in expressway rest area** S. Tanaka[1]*, S. Ohno[1], F. Nakamura[1], *[1]Yokohama National University, Japan*
C1-PO9®	**Modelling heteroscedastic traffic speed dispersion on urban expressways** J. Li[1]*, Y. Liu[1], X. Chen[1], *[1]Tongji University, China*
C1-P10®	**A simulation-based multiclass, multimodal traffic assignment model with departure time for evaluating traffic control plans of planned special events** Y-Z. Lin[1]*, W-H. Chen[1], *[1]Chung Yuan Christian University, Taiwan, [2]Chung Yuan Christian University, Taiwan*
C1-P11	**Developing acceleration models combining multiple data sources** S. Papadimitriou[1]*, C. Choudhury[1], *[1]University of Leeds, UK*
C1-P12®	**Critical infrastructure renewal: A framework for fuzzy logic based risk assessment and microscopic traffic simulation modelling** M.J. Alam[1], M.A. Habib[1]*, K. Quigely[1], *[1]Dalhousie University, Canada*
C1-P13	**Modelling acceleration decisions in heterogeneous traffic situations with weak lane discipline** C. Choudhury[1,2]*, M. Islam[2], *[1]University of Leeds, UK, [2]Bangladesh University of Engineering and Technology, UK*
C1-P14®	**Impact of a forward collision warning system on headway and reaction time during car following** M.X. Zhu[1,2]*, X.S. Wang[1,2], *[1]Tongji University, China, [2]Road and Traffic Key Laboratory, Ministry of Education, China*
C1-P15®	**Maritime vessel traffic modelling in the context of concept drift** E. Osekowska[1]*, H. Johnson[1], B. Carlsson[1], *[1]Blekinge Institute of Technology, Sweden*
C2-PO1®	**An analysis of characteristics of heavy vehicle behavior at roundabouts in Japan** N. Kang[1]*, H. Nakamura[2], *[1]Tokyo University of Science, Japan, [2]Nagoya University, Japan*
C2-PO2	**Geometric design consistency model for two-lane rural highways based on operating speed profiles** R.T. Almeida[1], A.L. Vasconcelos[1], A.M.C. Bastos Silva[2]*, *[1]Polytechnic Institute of Viseu, Portugal, [2]University of Coimbra, Portugal*
C2-PO3®	**Research on driver physiological load at the lowest point of city river-crossing tunnels** D.S. Feng[1]*, F. Chen[1], X.D. Pan[1], *[1]Tongji University, China*
C2-PO4®	**Study of rainfall impacts on freeway traffic flow characteristics** Y.Q. Wang[1]*, J. Luo[1], *[1]Chang'an University, China, [2]CCCC First Highway Consultants Co.,Ltd, China*
C2-PO5	**New features in the 2015 German highway capacity manual (hbs2015)** N. Wu[1]*, *[1]Ruhr University Bochum, Germany*
C2-PO6®	**Investigating large vehicle stability on curved expressway segment with vertical slope by simulation** G.X. Qu[1]*, Y.L. He[1], X.D. Sun[1], *[1]Beijing University of Technology, Beijing, China, [2]University of Louisiana at Lafayette, Louisiana, USA*
C2-PO7®	**Variability of observed drivers' follow-the-leader behavior on expressway basic segment** Y. Yang[1]*, K. Wada[1], T. Oguchi[1], M. Iryo-Asano[1], *[1]The University of Tokyo, Japan*

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C2-PO8®	**Risk assessment model of bottlenecks for urban expressways using survival analysis approach** L.Y. Zheng[1]*, Y.T. Chang[1], *[1]Tongji University, China*
C2-PO9®	**Comparison of exhaust emissions at intersections under traffic signal vs. roundabout control using an instrumented vehicle** C. Meneguzzer[1], M. Gastaldi[1], R. Rossi[1]*, G. Gecchele[1], M.V. Prati[2], *[1]University of Padova, Italy, [2]Istituto Motori CNR, Italy*
C2-P10®	**Traffic congestion management with high occupancy vehicle lanes and tradeable credits scheme: A bi-level programming approach** G.Z. Zang[1], M. Xu[1]*, Z.Y. Gao[1], *[1]Beijing Jiaotong University, China*
C2-P11®	**Study on traffic strategy in metropolitan renewal area** X.Y. Lv[1,2]*, H.X. Pan[1], *[1]College of Architecture and Urban Planning Tongji University, China, [2]Shanghai Urban Planning and Design Research Institute, China*
C2-P12	**Dynamic climbing lane control system using a radar detector** H. Ko[3], J. Park[2], J. Seo[2], I. Yun[1]*, *[1]Ajou University, Republic of Korea, [2]The Korea Transport Institute, Republic of Korea, [3]Korea Transportation Safety Authority, Republic of Korea*
C2-P13®	**Optimization of bus stops layout under the conditions of coordinated control** Z.P. Liu[1,2]*, K.P. Li[1,2], Y. Ni[2], *[1]Wuhan University of Science and Technology, China, [2]Tongji University, China*
C2-P14	**Simulation-based assessment of impact of large-scale retail store onto regional traffic and its management** H. Fujii[1], T. Kanou[1], H. Uchida[1]*, S. Yoshimura[1], *[1]The University of Tokyo, Japan*
C2-P15®	**The effectiveness of applying dynamic lane grouping strategy at all approaches of isolated signalized intersections** W.K. Alhajyaseen[1]*, M.M. Najjar[1], N.T. Ratrout[1], K.J. Assi[1], *[1]King Fahd University of Petroleum and Minerals, Department of Civil & Environmental Engineering, Saudi Arabia*
C2-P16®	**Existing operational and safety issues of signal control regarding tram systems in China** S. Wang[1]*, X.C. Yu[2], K.P. Li[1], *[1]Tongji University, China, [2]Technical University Darmstadt, Germany*
C2-P17®	**Evaluation of the benefit-to-cost of freeway service patrol in advanced video surveillance system environment: A case study in China** Z. Sun[1]*, M. Yu[1], H. Wang[1], A. Haghani[2], *[1]Ministry of Transport, China, [2]University of Maryland, USA*
C2-P18®	**A methodology for evaluating evacuation capacity of urban underground road** Y. Yang[1, 2]*, T-Z. Li[1,2], T. Zhang[1,2], Q. Yu[1,2], *[1]Jiangsu Key Laboratory of Urban ITS, China, [2]Jiangsu Province Collaborative Innovation Center of Modern Urban Traffic Technologies, China*
C2-P19®	**Traffic volume responsive incident detection** E.G. Nathanail[1], P. Kouros[1]*, P. Kopelias[1], *[1]University of Thessaly, Greece*
C2-P20®	**Estimating net traffic congestion relief associated with public transport - preliminary results** P.Q.D. Nguyen[1]*, G. Currie[1], B. Young[1], *[1]Monash University, Australia*
C3-PO1®	**Estimation of scaling factors for traffic counts based on stationary and mobile sources of data** F. Meng[1]*, S.C. Wong[1], W. Wong[1], Y.C. Li[1], *[1]The University of Hong Kong, Hong Kong*
C3-PO2®	**Pre-emptive goal programming based queue spillback control on oversaturated arterial** G. Liu[1], T.Z. Qiu[1]*, *[1]University of Alberta, Canada*
C4-PO1®	**Application of RISC for road safety program development** X.S. Tu[1]*, *[1]Queensland Department of Transport and Main Roads, Australia*

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C4-PO2®	**Effectiveness of consistency measures in crash prediction models for two-lane highways in Palestine** K. Al-Sahili[1], M. Dweikat[1], S. Abu-Eisheh[1], W. Alhajyaseen[2]*, *[1]An-Najah National University, Occupied Palestinian Territory, [2]Qatar University, Qatar*
C4-PO3®	**Spatial analysis of highway work zone crashes in India** S. Gupta[1], G. Tiwari[1]*, *[1]Indian Institute of Technology (IIT) Delhi, India*
C4-PO4	**A study on exploration and assessment of safety effects of roadway features in school zone area** J. Park[1], J. Lee[1], M.A. Abdel-Aty[1]*, *[1]University of Central Florida, USA*
C4-PO5®	**Empirical analysis on risky behaviors and pedestrian-vehicle conflicts at large-size signalized intersections** K. Suzuki[1]*, H. Ito[2], *[1]Nagoya Institute of Technology, Japan, [2]Chodai Corporation Limited, Japan*
C4-PO6®	**Viability of Traffic Analysis Districts (TADs) as a spatial unit for macroscopic crash analysis** Q. Cai[1]*, J. Lee[1], M. Aty[1], *[1]University of Central Florida, USA*
C4-PO7®	**An analysis of the relationship between motorcycle behavior and width of the road shoulder on trunk roads in Japan** K. Ogawa[1]*, *[1]Ritsumeikan University, Japan*
C4-PO8®	**A rare event logistic model of traffic injuries on tourist routes** R. Tay[1]*, *[1]RMIT University, Australia*
C4-PO9®	**Effectiveness of a theory based road safety message in changing drivers' intention among different populations** R. Tay[1]*, *[1]RMIT University, Australia*
C4-P10®	**A stochastic approach to the benefit cost ratio analysis of safety treatments** S. Cafiso[1]*, C. D'Agostino[1], *[1]University of Catania, Italy*
C4-P11®	**Identifying secondary crashes in geographic information systems: A case study of interstate highways in the state of Florida** Y.T. Tian[1], H.Y.C. Chen[1]*, *[1]Embry-Riddle Aeronautical University, USA*
C4-P12®	**Investigation of road accident severity per vehicle type** G. Yannis[1]*, A. Theofilatos[1], G. Pispiringos[1], *[1]National Technical University of Athens, Greece*
C4-P13®	**Investigating factors affecting the occurrence and severity of rear-end crashes** M. Shawky[1,2], M. Kishta[2], H. Al-Harthei[2]*, *[1]Ain Shams University, Egypt, [2]Abu Dhabi Traffic Police, United Arab Emirates*
C4-P14®	**An optimization model for locating speed cameras in rural roads (Case study of Iran)** M. Saffarzadeh[3,2], B. Mirbaha[1]*, M. Hosseini[2,3], *[1]Imam Khomeini International University, Iran, [2]Azad University of Zanjan, Iran, [3]Tarbiat Modares University, Iran*
C4-P15®	**A field study of visual search in driving: Comparison of two buses** T.A. Kuo[1], C.J. Lin[1], B.S. Liu[2]*, *[1]National Taiwan University of Science and Technology, Taiwan, [2]St. John's University, Taiwan*
C4-P16®	**Comparative study on e-bikes' decision-making behaviors under flashing green and green countdown** C. Lyu[1]*, J. Zhou[1], S. Dong[1], K. Li[2], S. Liu[3], *[1]Ningbo University of Technology, China, [2]Tongji University, China, [3]Fuzhou University, China*
C4-P17®	**Factors affecting drivers' gap acceptance behaviour at uncontrolled intersection in India** D.S. Pawar[1], G.R. Patil[1]*, *[1]IIT Bombay, India*
C5-PO1®	**Performance-dependent humidity state division of subgrade in seasonal frozen region** D.X. Li[1]*, Z.G. Chen[1], J.M. Ling[2], *[1]Jilin Provincial Communication Scientific Research Institute, China, [2]Tongji University, China*

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C5-PO2®	**Trusted measurement and evaluation for ITS products** C.Y. Lin[1]*, B.W. Gong[1], X. Qu[1], *[1]Jilin University, China, [2]State Key Laboratory of Automotive Simulation and Control, China*
C5-PO3®	**A rational strategy for resource allocation for rural road maintenance** P.K. Agarwal[1]*, A.B. Khan[1], S. Choudhary[1], *[1]Maulana Azad National Institute of Technology, India*
C5-PO4	**A bottom-up solution for the system-level joint optimization of pavement maintenance and rehabilitation planning** L. Zhang[1]*, W.Gu[1], *[1]Hong Kong Polytechnic University, Hong Kong*
C5-PO5®	**The impact of systematic retro-reflection testing of road markings on their visibility** A. Scukanec[1], D. Babic[1]*, D. Babic[1], *[1]Faculty of Transport and Traffic Sciences, Croatia*

TOPIC D: ACTIVITY AND TRANSPORT DEMAND	
3B - Tuesday, 12 July: 10:30-12:10	
Session Chair: Doina Olaru	
D1-PO1®	**Are travel behaviours stable in space and time?** M. Siska[1]*, *[1]KTI Institute for Transport Sciences Non-profit Ltd., Hungary*
D1-PO2®	**Pedestrian travel behavior in large Chinese cities, a case study of the Shanghai central city** Y. Chen[1], J. Jiao[2]*, J. Mao[1], H. Wu[1], *[1]Tong Ji University, China, [2]The University of Texas at Austin, USA*
D1-PO3	**Exploring the nexus between e-commerce and urban land use planning - e-commerce impacts on mobility and location strategies** F. Pettersson[1]*, W. Hiselius[1], T. Koglin[1], *[1]Lund University, Sweden*
D1-PO4	**Differences of travellers' preferences between air and rail transport in an area with new competitive high-speed railway** Y. Kobashikawa[1,2]*, M. Fujiu[2], J. Takayama[2], S. Nakayama[2], *[1]Dentsu Inc., Japan, [2]Kanazawa University, Japan*
D1-PO5®	**Research on the evaluation method and characteristics of expressway travel time reliability** J.N. Chen[1]*, S.R. Zhang[1], Y.L. Jin[1], *[1]Chang'an University, China*
D1-PO6®	**Effective factors in walking mode choice of different age groups for school trips** Y. Hatamzadeh[1]*, M. Habibian[1], A. Khodaii[1], *[1]Amirkabir University of Technology, Iran*
D1-PO7	**Travel behavior in central and Eastern Europe: A Bratislava case study** V. Gabrhel[1]*, P. Senk[1], M. Lazor[1], J. Ondrackova[1], *[1]Transport Research Centre (CDV), Czech Republic*
D1-PO8®	**A genetic algorithm based population synthesizer** C. Zhuge[1,2]*, C. Shao[1], X. Li[3], J. Gao[1], H. Zhang[1], *[1]Beijing Jiaotong University, China, [2]University of Cambridge, UK, [3]Beijing Institute of Technology, China*
D1-PO9®	**How long to get to my workplace? Commuting trends and gender differences in travel time** D.D.A. Dissanayake[1]*, *[1]Newcastle University, UK*
D1-P10	**Variational bayes method for estimating transit route OD flows using boarding and alighting data in the presence of multiple latent flow patterns: Methodology, evaluation, and validation** A.J. Landgraf[1],[2], R.G. Mishalani[1]*, M.R. McCord[1], P.K. Goel[1], *[1]The Ohio State University, USA, [2]Battelle, USA*

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D2-PO1®	**Constrained multinomial probit route choice modelling for passengers in large-scaled metro networks in China** Y.S. Zhang[1]*, E.J. Yao[1], H. Wei[2], T. Zuo[2], S.S. Liu[1], *[1]Beijing Jiaotong University, China, [2]University of Cincinnati, USA*
D2-PO2®	**A combined activity nodes choice and trip-chain based user equilibrium traffic assignment model for urban transportation planning** C-Y. Wang[1]*, S-R. Hu[2], C-P. Chu[3], *[1]National Defense University, Taiwan, [2]National Cheng Kung University, Taiwan, [3]National Dong Hwa University, Taiwan*
D2-PO3	**Psychological profiles of commuters in Cagliari** E. Sottile[1], I. Meloni[1]*, E. Cherchi[2], *[1]University of Cagliari, Italy, [2]Technical University of Denmark, Denmark*
D3-PO1®	**Exploring the benefits of a traveller clustering approach based on multimodality attitudes and behaviours** J.D. Rodriguez Cote[1], M. Diana[1]*, *[1]Politecnico di Torino, Italy*
D3-PO2®	**The effects of the integration of metro station and mega-multi-mall on consumers' activities: A case study of Shanghai** H.X. Pan[1], X.R. Lin[1]*, *[1]Tongji University, China*
D3-PO3	**Secondary airport network connectivity: Gravity modelling air transport demand within multi-airport systems** D.W. Alexander[1]*, R. Merkert[1], *[1]University of Sydney, Australia*
D3-PO4®	**Evaluating the impact of new lines on entrance/exit passenger flow of adjacent existing stations in urban rail transit system** S. Liu[1]*, E. Yao[1], X. Cheng[1], Y. Zhang[1], *[1]Beijing Jiaotong University, China*
D3-PO5®	**Travel demand forecasting for the Mesopotamia line in Argentina** J.W. Kim[1]*, *[1]Korail Research Institute, Republic of Korea*
D3-PO6	**Modelling the propensity to cycle. An experimental analysis** I. Meloni[1], B. Sanjust di Teulada[1]*, E. Sottile[1], *[1]University of Cagliari, Italy*
D3-PO7®	**AgBM-DTALite: An integrated modelling system of agent-based travel behavior and transportation network dynamics** C. Xiong[1]*, L. Zhang[1], X. Zhou[2], S. Mahapatra[3], C. Baber[4], *[1]University of Maryland, USA, [2]Arizona State University, USA, [3]Maryland State Highway Administration, USA, [4]Baltimore Metropolitan Council, USA*
D3-PO8®	**Improving estimation of inter-regional passenger flows model by zero-observation treatment and model performance** X.C. Do[1,2]*, M. Tsukai[1], *[1]Hiroshima University, Japan, [2]University of Transport and Communications, Vietnam*
D3-PO9®	**Preference heterogeneity towards the importance of transfer facilities at metro stations in Kolkata** S. Sadhukhan[1], U.K. Banerjee[1], B. Maitra[1]*, *[1]Indian Institute of Technology Kharagpur, India*
D3-P10	**Investigating temporal transferability of vehicle ownership models: A case study of The Dhaka Metropolitan Area, Bangladesh** F. Anyiko[1]*, C. Choudhury[1], *[1]University of Leeds, UK*
D3-P11®	**Transit route-level passenger alighting probability, probability OD flow and expected OD flow matrices: Estimates from boarding and alighting counts and relationships among the representations** Y. Ji[1]*, R.G. Mishalani[2], M.R. McCord[2], *[1]Tongji University, China, [2]The Ohio State University, USA*

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D3-P12®	**Effects of cost adjustment on travel mode choice: Analysis and comparison of different logit models**
	T. Bai[1,2]*, X. Li[1], Z. Sun[3], *[1]Beijing Jiaotong University, China, [2]Beijing Transportation Research Center, China, [3]Tsinghua University, China*
D3-P13®	**Inferring weekly primary activity patterns using public transport smart card data and a household travel survey**
	S.A. Ordóñez Medina[1,2]*, *[1]Singapore ETH Centre, Singapore, [2]ETH Zurich, Switzerland*
D4-PO1®	**Do Information and Communications Technologies influence transport demand? An exploratory study in the European Union**
	A. Urbanek[1]*, J. Kos-Labedowicz[1], *[1]University of Economics in Katowice, Poland*
D4-PO2	**An analysis of urban activities considering concentration of life-related facilities and out-home activities**
	R.S. Shimizu[1]*, M.K. Kuwano[1], M.T. Tsukai[1,2], *[1]Tottori University, Japan, [2]Hiroshima University, Japan*

TOPIC E: TRANSPORT ECONOMICS AND FINANCE
3D - Tuesday, 12 July: 15:30-17:10
Session Chair: Charles Raux

E1-PO1®	**Measurement of value of time for freight trips and its benefit by market information**
	H. Morisugi[1]*, *[1]Nihon University, Japan*
E1-PO2®	**Road charging in multi-level-systems - National decisions under consideration of the EU-level from a political economic view**
	S. Krause[1]*, M. Nofz[1], T. Peters[1], *[1]University Bremen, Germany*
E1-PO3	**ICT port-related innovations: An effective strategic decision**
	V. Carlan[1]*, C. Sys[1], T. Vanelslander[1], *[1]University of Antwerp, Belgium*
E1-PO4	**Transport integration in a privatised bus market: The role of quality contract schemes**
	C.R. Rivasplata[1]*, *[1]San Jose State University, USA*
E1-PO5	**A strategic assessment tool for evaluating European transport policies - The HIGH-TOOL approach**
	E. Szimba[1]*, J. Ihrig[1], M. Kraft[1], J. Kiel[2], R. van Grol[3], A. Ulied[4], M. Chen[5], J. Purwanto[6], R. Corthout[6], O. Ivanova[5], *[1]Karlsruhe Institute of Technology (KIT), Germany, [2]Panteia, The Netherlands, [3]Significance, The Netherlands, [4]Mcrit, Spain, [5]TNO, The Netherlands, [6]TML, Belgium, [7]MKmetric Gesellschaft für Systemplanung mbH, Germany*
E1-PO6®	**Shipping enterprise performance evaluation under uncertainty base on multiple-criteria evidential reasoning approach**
	T.T.B. Bao[1]*, X.L.X. Xie[1], P.Y.L. Long[1], *[1]Dalian Maritime University, China*
E1-PO7	**The measurement of China's Rail Transport Efficiency**
	T. Zhang[1]*, C.H. Rong[1], *[1]School of Economics and Management, Beijing Jiaotong University, China*
E2-PO1®	**Using micro simulation of city traffic to determine a cordon charge based on marginal network social cost**
	Y. Sun[1], J. Taplin[1]*, *[1]The University of Western Australia, Australia*
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	Y. Alver[1]*, I. Balgabayeva[1], *[1]Ege University, Turkey*
E2-PO4	**Pricing strategies for a taxi-hailing platform**
	X.L. Wang[1]*, *[1]Shanghai Jiao Tong University, China*

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E2-PO7®	**Evaluating toll revenue uncertainty using neural network models** Y. Zhao[1]*, H. Zhao[1], *[1]Jacobs, USA, [2]AECOM, USA*
E2-PO8®	**Tariff analysis of trans metro banding (TMB) under ATP, WTP, and society travel behaviour** A. Hayati[1]*, P. Pradono[1], H. Purboyo[1], *[1]Bandung Institute of Technology, Indonesia, [2]Padjadjaran University, Indonesia*
E2-PO9	**Dynamic pricing: Case study on Indian railways** A. Kumar[1]*, S. Das[1], *[1]Ministry of Railways, Government of India, India*
E2-P10	**Welfare effectiveness of public transport subsidy in Seoul Metro Region** J.I. Kim[1], G.W. Ahn[1]*, Y.J. Kim[1], S.I. Kim[1], *[1]The Korea Transport Institute, Republic of Korea*
E2-P11	**Has London's congestion charge zone affected firm location choices?** A. Broaddus[1]*, *[1]UC Berkeley, USA*
E2-P12®	**Tradeable credits scheme on urban travel demand: A linear expenditure system approach and simulation in Beijing** M. Xu[1]*, S. Grant-Muller[2], *[1]Beijing Jiaotong University, China, [2]University of Leeds, UK*
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E2-P15	**Equitable and progressive distance-based user charges: Design and evaluation of income-based mileage fees in Maryland** D.Y. Yang[1], E.K. Kastrouni[1]*, L.Z. Zhang[1], *[1]University of Maryland, USA*
E2-P16	**Congestion pricing and revenue refunding: What is the optimal share distributed towards mass transit system?** F. Mirabel[1], M. Reymond[1]*, *[1]LAMETA, France*
E2-P17®	**Stochastic tolling to achieve long-run system optimum under tolerance-based probabilistic user equilibrium** B.K. Bhavathrathan[1], G.R. Patil[1]*, *[1]Indian Institute of Technology Bombay, India*
E2-P18®	**Fare estimation for demand responsive transport based on a stated preference survey** W.C. Kim[1], M. Nangung[2], J.W. Kim[3], *[1]Chungnam Institute, Republic of Korea, [2]Wonkwang University, Republic of Korea, [3]Korail Research Institute, Republic of Korea*
E3-PO1®	**A theoretical study on yardstick competition and franchise bidding based on a dynamic model** S. Harada[1]*, H. Yamauchi[2], *[1]Gifu University, Japan, [2]Hitotsubashi University, Japan*
E3-PO2®	**The discussion of system optimism and user equilibrium in traffic assignment with the perspective of game theory** C. Wang[1], Y.Q. Tang[1]*, *[1]Tongji University, China*
E3-PO3	**Optimal concession contracts for landlord port authorities under price competition of terminal operators** H.C. Chen[1]*, Y.H. Lin[1], S.M. Liu[1], *[1]National Taipei University, Taiwan*
E3-PO4®	**The governance of surface transportation in the 21st Century: VDOT institutional responses to environmental changes** J.L. Gifford[1]*, L. Bolanõs[1], M. Transue[1], J.Y. Kweun[1], N. Daito[2], *[1]George Mason University, USA, [2]Northern Virginia Transportation Commission, USA*

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E3-PO5®	**Evaluating highway public-private partnerships: Evidence from U.S. value for money studies** J.Y. Kweun[1], P.K. Wheeler[1], J.L. Gifford[1]*, *[1]George Mason University, USA*

TOPIC F: TRANSPORT, LAND USE AND SUSTAINABILITY

4A - Wednesday, 13 July: 08:30-10:10

Session Chair: Ruth Steiner

F1-PO1®	**A new at-grade transportation network without signalized intersection, roundabout, or stop sign for land use and transportation planning** S. Pravinvongvuth[1]*, I.C. Matarage[1], *[1]Asian Institute of Technology, Thailand*
F1-PO2®	**Research on phenomenon of urban regeneration and optimization of land-use around light rail transit in Nanhai district of Foshan city** J.W. Huang[1], Y. Xu[2], C.F. Wang[2], L. Xiong[2], J. Hai[1], *[1]Guangdong University of Technology, China, [2]South China University of Technology, China*
F2a-PO1®	**A theoretical overview of road hump effects on traffic noise in improving residential well-being** K.S.R. Bachok[1]*, A.A. Kadar Hamsa[1], M.Z. Mohamed[1], M. Ibrahim[1], *[1]International Islamic University Malaysia, Malaysia*
F2b-PO1®	**Urban spatial structure and transport energy consumption: New evidence from 51 cities in China** J. Diao[1]*, P. Zhao[1], *[1]Peking University, China*
F2b-PO2®	**Research on individual carbon dioxide emissions of commuting in peri-urban area of metropolitan cities--an empirical study in Shanghai** P.W. Wei[1]*, H.X.P. Pan[1], *[1]Wuhan Land Use and Urban Spatial Planning Research Center, China, [2]Tongji University, China*
F2b-PO3®	**Calculation and scenario analyses of urban passenger transportation energy consumption in China** P. Li[1]*, P. Zhao[1], *[1]Peking University, China*
F2b-PO4®	**Achieving energy savings by intelligent transportation systems investments in the context of smart cities** Y. Chen[1], A. Ardila Gomez[1]*, G. Frame[1], J.P. Velez[1], A. Hoyos-Guerrero[1], F. Arroyo-Arroyo[1], Y. Zong[1], N. Beschorner[1], A. Shrestha[1], *[1]World Bank, USA*
F2c-PO1®	**Urban mobility indexes: A brief review of the literature** P.B. Costa[1], G.C. De Morais Neto[1]*, A.I. Bertolde[1], *[1]Universidade Federal do Espírito Santo-UFES, Brazil*

TOPIC G: TRANSPORT PLANNING AND POLICY

4B - Wednesday, 13 July: 10:30-12:10

Session Chair: Stephen Ison

G2-PO1	**The different dimensions of job accessibility - A case study in Belgium** L. Bakelants[1]*, A. Verhetsel[1], *[1]University of Antwerp, Belgium*
G2-PO2®	**Strategy for China intercity-railway operation management model based on varied investors** L.X. Zhou[1]*, F.L. Wang[1], *[1]Tongji University Zhejiang College, China*
G2-PO3®	**A study on appropriate road spacing for the functionally hierarchical network planning** A. Goto[1]*, H. Nakamura[1], *[1]Nagoya University, Japan*

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G2-PO4®	**An emergency vehicles allocation model for major industrial disasters** G. Fancello[1], S. Mancini[2], C. Pani[3]*, P. Fadda[1], *[1]University of Cagliari, Italy, [2]Polytechnic of Turin, Italy, [3]CIREM, Italy*
G2-PO5®	**Evaluation of location estimation method for bus location system based on wireless sensor networks** W. Nishio[1]*, H. Suzuki[1], Y. Matsumoto[1], *[1]Meijo University, Japan*
G2-PO6®	**Estimation of GHG emission reduction by Inter-City bus transfer service at Expressway rest areas using user characteristics data** S.K. Wu[1,2], S. Lee[1]*, *[1]Korea Transport Institute, Republic of Korea, [2]International Transport Forum, France*
G2-PO7	**State of the art of multimodal macroscopic transport modelling** J. Schlaich[1], U. Heidl[1], H. Li[1]*, *[1]PTV Group, Germany*
G2-PO8	**Rail station squares in Wuhan, China and London, UK: incorporating node-place and user perspectives** N. Li[1]*, *[1]University College London, UK*
G2-PO9®	**Newly established airlines developing process and changing patterns of its air route in China** C.T.W. Wu[1]*, P. Lei[1], *[1]Sichuan University, China*
G2-P10®	**How to measure the level of activity opportunities secured by rural public transport service: The capability approach** H. Kita[1], H. Yotsutsuji[1]*, M. Ikemiya[2], Y. Suga[3], *[1]Kobe University, Japan, [2]TIS Inc., Japan, [3]Japan Airlines Co., Ltd., Japan*
G2-P11®	**Delivering sustainable mobility targets: Which individuals are more likely to switch from private to greener transport options?** F. Ali[1]*, D. Dissanayake[1], *[1]Newcastle University, UK*
G2-P12®	**Is reducing car use a utopian vision?** A.H. Hayden[1]*, M.T. Tight[1], M.B. Burrow[1], *[1]University of Birmingham, UK*
G3-PO1®	**Car drivers' knowledge and requirements regarding additional services in parking garages** P. van der Waerden[1], M. De Bruin - Verhoeven[1], A.N. Rodrigues da Silva[2]*, *[1]Eindhoven University of Technology, The Netherlands, [2]University of Sao Paulo, Brazil*
G3-PO2®	**The influence of parking facility characteristics on car drivers' departure time decisions** P. Van der Waerden[1,2], D. Janssens[2], A.N. Rodrigues da Silva[3]*, *[1]Eindhoven University of Technology, The Netherlands, [2]Hasselt University, Belgium, [3]University of Sao Paulo, Brazil*
G3-PO3®	**Fixed effects panel data analysis of the effects of gasoline prices, fare, service supply, and service frequency on transit ridership in ten U.S. urbanized areas** H. Iseki[1]*, R. Ali[1], *[1]University of Maryland College Park, USA*
G3-PO4®	**Developing a new design method avoiding latent congestion danger in urban rail transit station** R.Q. Wang[1]*, Y. Zhang[1], H. Yue[2], *[1]Tongji University, China, [2]Beijing Jiaotong University, China*
G3-PO5	**Passenger flow assignment model for passenger railway hub in metropolis** K. Jun[1]*, G. Baonan[1], *[1]Tongji University, China*
G3-PO6®	**What should Shanghai do in urban transformation? Experience in six typical cities** J.H. Ye[1], X.Y. Shi[1]*, *[1]Tongji University, China*
G3-PO7	**Synchronized and coordinated schedule optimization for Urban Rail Transit** Z.C. Cao[1]*, Z.Z. Yuan[1], S.L. Zhang[1], D.W. Li[1], *[1]Beijing Jiaotong University, China*
G3-PO8®	**The effects of a tradeable credits scheme on travel demand: A household utility based approach incorporating travel money and travel time budgets** M. Xu[1]*, L. Mussone[2], S. Grant-Muller[3], *[1]Beijing Jiaotong University, China, [2]Politecnico di Milano, Italy, [3]University of Leeds, UK*

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G3-PO9	**Implications of smart urban parking solutions: Case study in City of Espoo, Finland** R.S. Snell[1], M.N.M. Mladenovic[2]*, K. Toiskallio[2], *[1]City of Espoo, Finland, [2]Aalto University, Finland*
G3-P10®	**An alternative approach for forecasting parking volumes** H. Lim[1], G.T. Williams[1], D. Abdelqader[1], J. Amagliani[1], Z. Ling[1]*, D.W. Priester[1], C.R. Cherry[1], *[1]University of Tennessee, USA*
G3-P11®	**Transport innovations and their effect on cities: The emergence of urban linear ferries worldwide** M. Tanko[1]*, M.I. Burke[1], *[1]Griffith University, Australia*
G3-P13®	**A quantitative model to analyse the impact of flooding and congestion on cities: Case study for the city of Rotterdam** R. Pennings[1]*, B. Wiegmans[1], R. Verhaeghe[1], F. Sanders[1], *[1]TU Delft, The Netherlands*
G3-P14	**Modeling mass transit nets and urban development issues: "The right to the city" as a new framework to rethink systems** D.P.P. Ferreira*[1,2], L.F. Hagemann[3,4], *[1]Università IUAV di Venezia, Italy, [2]Federal University of Rio de Janeiro, Brazil, [3]Fundação Instituto de Pesquisa e Planejamento Urbano de Joinville, Brazil, [4]Universidade Federal de Santa Catarina, Brazil*
G3-P15	**Efficiency evaluation in public transport operators in france: A stochastic frontier analysis** S. Jarboui[1,2], L. Bouzouina*[1], *[1]University of Lyon, France, [2]University of Sfax, Tunisia*
G4-PO1®	**Relation between public transportation service based on awareness and migration in Japan** A. Kondo[1]*, A. Kondo[2], *[1]Shikoku University, Japan, [2]Tokushima University, Japan*
G4-PO2®	**Psychological traits to eco-friendly transportation systems: latent class approach** Y.K. Bae[1]*, J.H. Kim[2], J.H. Chung[3], *[1]Korea Research Institute for Human Settlements, Republic of Korea, [2]Eindhoven University of Technology, The Netherlands, [3]Yonsei University, Republic of Korea*
G4-PO3®	**The impact of public space on walking behavior in the old city center in Beijing** S.M. Ma[1]*, Y.W. Wang[1], P.Z. Zhao[1], *[1]Peking University, China*
G4-PO4®	**The integration of the social dimension of transport through local participatory planning in Montreal** G. Boisjoly[1]*, G.T. Yengoh[2], *[1]McGill University, Canada, [2]Lund University, Sweden*
G4-PO5	**Analysing the effect of social networks, built environment, and personality traits on out-of-home leisure activity generation: A case study of Fukuoka, Japan** G. Troncoso Parady[1], G. Katayama[1]*, H. Yamazaki[1], T. Yamanami[1], K. Takami[1], N. Harata[1], *[1]The University of Tokyo, Japan*
G4-PO6®	**Transport accessibility and gender inequalities, the case of Bogota** M.C. Lecompte[1]*, J.P. Bocarejo[1], *[1]Universidad de los Andes, Colombia*
G4-PO7	**Car sharing in the Netherlands: User characteristics and mobility effects** P. Jorritsma[1], L. Harms[1]*, J. Berveling[1], H. Nijland[1], J. van Meerkerk[1], *[1]KIM Netherlands Institute for Transport Policy Analysis, The Netherlands*

TOPIC H: TRANSPORT IN DEVELOPING AND EMERGING COUNTRIES	
4C - Wednesday, 13 July: 13:30-15:10	
Session Chair: Binyam Reja	
H1-PO1®	**Influence of personal banking behaviour on the usage of the electronic card for toll road payment** T.B. Joewono[1]*, B.A. Effendi[1], H.S.A. Gultom[1], R.P. Rajagukguk[2], *[1]Parahyangan Catholic University, Indonesia, [2]Ministry of Public Work, Indonesia*
H1-PO2®	**Urban form and spatial urban equity in Bogota, Colombia** L.A. Guzman[1]*, J.P. Bocarejo[1], *[1]Universidad de los Andes, Colombia*

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H2-PO1®	**The construction of complex railway stations in Megalopolises - Based on Shanghai railway station** Y. Kai[1]*, H. Gangyu[1], [1]*College of Urban Planning of Tongji University, China*
H2-PO2®	**Planning of LNG filling stations for road freight: A case study of Shenzhen** Y. Li[1,2], W. Li[1,2]*, Y. Yu[1,2], L. Bao[1,2], [1]*The Key Laboratory of Road and Traffic Engineering, Ministry of Education, China, [2]Tongji University, China*
H2-PO3®	**Behavior patterns of long-term car-sharing users in China** Y. Hui[1]*, W. Wang[1], M. Ding[1], Y. Liu[1], [1]*Tongji University, China, [2]Chelizi Intelligent Technology Company, China*
H2-PO4®	**Evaluation of socio-economic impact of city bus services in developing countries** P.K. Agarwal[1]*, J. Gurjar[1], V. Gupta[1], [1]*Maulana Azad National Institute of Technology, India*
H2-PO5®	**A prediction model of bus arrival time at stops with multi-routes** T. Yin[1]*, G. Zhong[1], J. Zhang[1], S. He[1], B. Ran[1], [1]*Southeast University, Chin*
H2-PO6®	**Road safety analysis using multi criteria approach: A case study in India** K. Shalini[1]*, R.A. Ruchika Agarwala[1], D. Bhupali Dutta[1], N. Pooja N.Bhanegaonkar[1], A.P. Ajit Pratap Singh[1], A.K. Sarkar[1], [1]*Birla Institute of Technology and Science Pilani, India*
H3-PO1®	**Unbalanced lane usage and driver's lane preference at multiple left-turn lanes** L. Li[1]*, Z.R. Peng[2], Y.T. Chang[1], L.Y. Zheng[1], [1]*Ministry of Education, China, [2]University of Florida, USA*
H4-PO1	**Optimal transit routing algorithm for large scale road networks** N. Goel[1]*, N.R. Velaga[1], P. Vedagiri[1], T.V. Mathew[1], [1]*IIT Bombay, India*
H4-PO2	**Achievement of the harmonization of vehicle overloading control in the East African Community** Y. Nakagawa[1]*, [1]*PADECO, Japan*
H5-PO1	**Transport-based social exclusion in developing societies: A case of study in Bangladesh** D.P.B. Perez Barbosa[1]*, J.Z. Zhang[1], [1]*Hiroshima University, Japan*
H5-PO2	**Evidence from the evaluation of several bus rapid transit systems around the world** J.M. Velasquez[1]*, P. Guarda[3], C. Albuquerque[5], X. Chen[4], G. Zhong[1], [1]*World Resources Institute, USA, [2]World Resources Institute, Colombia, [3]Pontificia Universidad Catolica, Chile, [4]CUSTReC/CATS, China, [5]WRI Cities, Brazil*
H5-PO3	**Qualitative analysis for selection of bus priority techniques and operational strategies in the context of emerging countries** K. Bhattacharyya[1]*, B. Maitra[1], M. Boltze[2], [1]*Indian Institute of Technology Kharagpur, India, [2]Technische Universität Darmstadt, Germany*
H5-PO4	**Analysis of illegal parking behaviour in Hanoi city** V. Vu Anh Tuan[1]*, [1]*Vietnamese-German University, Vietnam*
H5-PO5®	**Analysing behavioural intentions in new residential developments of motorcycle dependent cities: A case of Ho Chi Minh City, Vietnam** L.Q. Hoang[1]*, T. Okamura[1], [1]*Toyo University, Japan*
H5-PO6®	**Improving legibility of urban center area by an integrated pedestrian signage system : A case study of Shanghai** Y. Li[1], L. Bao[1], W. Li[1], H. Deng[1], [1]*Tongji University, China*

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