

Overview Session Schedule

Date	DAY 1	DAY 2	DAY 3
Time	14 Dec 2013 (Sat)	15 Dec 2013 (Sun)	16 Dec 2013 (Mon)
08:30 - 08:45	Registration	Free Time	Registration
08:45 - 09:00			
09:00 - 09:15	Welcome Addresses		Plenary Session II Prof. Richard Arnott Prof. Mei-Po Kwan Dr. Tim Schwanen
09:15 - 09:30	Keynote Address Prof. Anthony B.L. Cheung, GBS, BBS, JP		
09:30 - 09:45	Travel Behaviour & Society Journal Launch Ceremony		
09:45 - 10:00	Coffee Break/ Transportmetrica A: Transport Science (TTRA) Editorial Board Meeting		
10:00 - 10:15			
10:15 - 10:30	Plenary Session I Prof. Patricia L. Mokhtarian Prof. Roger Vickerman Dr. Timothy D. Hau		Coffee Break/ TTRA & TTRB Meet-the-Editors Reception
10:30 - 10:45			
10:45 - 11:00			Parallel Sessions C
11:00 - 11:15			
11:15 - 11:30			
11:30 - 11:45	Conference Lunch		
11:45 - 12:00			
12:00 - 12:15			
12:15 - 12:30			
12:30 - 12:45			Conference Lunch
12:45 - 13:00			
13:00 - 13:15			
13:15 - 13:30			
13:30 - 13:45			
13:45 - 14:00			
14:00 - 14:15	Poster Session and Parallel Sessions A		Parallel Sessions D
14:15 - 14:30			
14:30 - 14:45			
14:45 - 15:00	Coffee Break/ Transportmetrica B: Transport Dynamics (TTRB) Editorial Board Meeting		Coffee Break/ Travel Behaviour & Society Editorial Board Meeting
15:00 - 15:15			
15:15 - 15:30	Poster Session and Parallel Sessions B		Parallel Sessions E
15:30 - 15:45			
15:45 - 16:00			
16:00 - 16:15			
16:15 - 16:30			
16:30 - 16:45			Closing Addresses
16:45 - 17:00			
17:00 - 17:15			Break/ Free Time
17:15 - 17:30			
17:30 - 17:45			
17:45 - 18:00	Travel Behaviour and Society - Cocktail Reception	Social Tour	Conference Banquet
18:00~			

Programme

Day 1: 14 December 2013 (Saturday)

Time	Event				
08:30 - 09:00	Registration (Pre-Function Area)				
09:00 - 09:15	Welcome Addresses (Picasso Room)				
	Prof. John P. Burns <i>Dean, Faculty of Social Sciences, The University of Hong Kong</i> Ir. Prof. William H.K. Lam <i>President, Hong Kong Society for Transportation Studies (HKSTS)</i> Prof. Becky P.Y. Loo <i>Chairperson, 18th International Conference of HKSTS</i>				
09:15 - 09:45	Keynote Address (Picasso Room)				
	Prof. Anthony Bing-Leung Cheung, GBS, BBS, JP <i>Secretary for Transport and Housing</i> <i>The Government of the Hong Kong Special Administrative Region</i>				
	Travel Behaviour & Society Journal Launch Ceremony (Picasso Room)				
09:45 - 10:15	Coffee Break (Pre-Function Area)				
	Transportmetrica A: Transport Science (TTRA) - Editorial Board Meeting (Café On M, Mezzanine Level)				
10:15 - 11:45	Plenary Session I (Picasso Room)				
	Prof. Patricia L. Mokhtarian <i>Georgia Institute of Technology, United States</i> Prof. Roger Vickerman <i>University of Kent, United Kingdom</i> Dr. Timothy D. Hau <i>University of Hong Kong, Hong Kong</i>				
11:45 - 13:30	Conference Lunch (Academy Room, 1/F)				
13:30 - 14:50	Session A1 (Picasso Room A)	Session A2 (Picasso Room B)	Session A3 (Monet Room A)	Session A4 (Monet Room B)	Session P (Picasso Room)
	Logistics & Supply Chain Management (I)	Outstanding Student Paper Award	Transportation Surveys & Modelling (I)	Travel Behaviour Modelling (I)	Poster Session (2 - 4pm)
14:50 - 15:20	Coffee Break (Pre-Function Area)				
	Transportmetrica B: Transport Dynamics (TTRB) - Editorial Board Meeting (Café On M, Mezzanine Level)				
15:20 - 16:40	Session B1 (Picasso Room A)	Session B2 (Picasso Room B)	Session B3 (Monet Room A)	Session B4 (Monet Room B)	Session P (Picasso Room)
	Transportation, Land Use & Built Environment (I)	Transport Dynamics (I)	Regional and International Transportation (I)	Travel Behaviour Modelling (II)	Poster Session (2 - 4pm)
16:40 - 18:00	Break / Free Time				
18:00 - 20:00	Travel Behaviour and Society - Cocktail Reception (Monet Room A & B)				

Day 3: 16 December 2013 (Monday)

Time	Event				
08:30 - 09:00	Registration (Pre-Function Area)				
09:00 - 10:30	Plenary Session II (Picasso Room)				
	Prof. Richard Arnott <i>University of California, Riverside, United States</i> Prof. Mei-Po Kwan <i>University of Illinois at Urbana-Champaign, United States</i> Dr. Tim Schwanen <i>University of Oxford, United Kingdom</i>				
10:30 - 11:00	Coffee Break (Pre-Function Area)				
	TTRA & TTRB Meet-the-Editors Reception (Pre-Function Area)				
11:00 - 12:20	Session C1 (Picasso Room A)	Session C2 (Picasso Room B)	Session C3 (Monet Room A)	Session C4 (Monet Room B)	Session C5 (Picasso Room)
	Regional and International Transportation (II)	Logistics & Supply Chain Management (II)	Transportation & Social Sustainability (I)	Transportation Infrastructure	Travel Behaviour Modelling (III)
12:20 - 13:20	Conference Lunch (Academy Room, 1/F)				
13:20 - 14:40	Session D1 (Picasso Room A)	Session D2 (Picasso Room B)	Session D3 (Monet Room A)	Session D4 (Monet Room B)	Session D5 (Picasso Room)
	Transportation Surveys & Modelling (II)	Transportation, Land Use & Built Environment (II)	Transportation & Social Sustainability (II)	Transport Dynamics (II)	Travel Behaviour Modelling (IV)
14:40 - 15:10	Coffee Break (Pre-Function Area)				
	Travel Behaviour & Society - Editorial Board Meeting (Café On M, Mezzanine Level)				
15:10 - 16:30	Session E1 (Picasso Room A)	Session E2 (Picasso Room B)	Session E3 (Monet Room A)	Session E4 (Monet Room B)	Session E5 (Picasso Room)
	Transportation Surveys & Modelling (III)	Public Transportation	Transportation, Energy & Climate Change	Transport Dynamics (III)	Travel Behaviour Modelling (V)
16:30 - 17:00	Closing Addresses (Picasso Room)				
	Presentation of the Outstanding Student Paper Award Closing Speeches				
17:00 - 18:00	Break / Free Time				
18:00 - 21:00	Conference Banquet (Venue: Picasso Room, InterContinental Grand Stanford)				

Detailed Session Schedule

14 December 2013 (Saturday)

Welcome Addresses (Picasso Room)	
09:00 - 09:05	Opening Speech by Prof. John P. Burns <i>Dean, Faculty of Social Sciences, University of Hong Kong</i>
09:05 - 09:10	Opening Speech by Ir. Prof. William H.K. Lam <i>President, Hong Kong Society for Transportation Studies</i>
09:10 - 09:15	Opening Speech by Prof. Becky P.Y. Loo <i>Chairperson, 18th International Conference of HKSTS</i>
Keynote Address (Picasso Room) Session Moderator: Dr W.T. Hung	
09:15 - 09:45	Keynote Address by Prof. Anthony Bing-Leung Cheung, GBS, BBS, JP <i>Secretary for Transport and Housing</i> <i>The Government of the Hong Kong Special Administrative Region</i>
Travel Behaviour & Society Journal Launch Ceremony	

09:45 - 10:15	Coffee Break (Pre-Function Area)
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Transportmetrica A: Transport Science (TTRA) - Editorial Board Meeting
(Café On M, Mezzanine Level)*

Plenary Session I (Picasso Room) Session Chair: Prof. H.K. Lo	
10:15 - 10:45	Activities Conducted while Traveling: What is Their Impact on Mode Choice and the Value of Travel Time? <u>P.L. MOKHTARIAN</u> , A. MALOKIN and G. CIRCELLA <i>Georgia Institute of Technology, United States</i>
10:45 - 11:15	Public-Private Partnerships and Pricing in Transport <u>R. VICKERMAN</u> <i>University of Kent, United Kingdom</i>
11:15 - 11:45	Optimal Pricing of Private and Public Transportation: Towards Public Transport Sustainability <u>T. D. HAU</u> <i>University of Hong Kong, Hong Kong</i>

11:45 - 13:30	Conference Lunch (Academy Room, 1/F)
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* Refer to map on the Conference Programme Book

Session A1: Logistics & Supply Chain Management (1) (Picasso Room A) <i>Session Chair: Dr. Yanfeng Ouyang</i>	
13:30 - 14:50	Reducing Student Transportation Cost through Efficient Routing of School Buses <u>S. THANGIAH</u>, J. FORSYTHE, R. VINAYAGAMOORTHY, T. WAJDA and P. BAIR Implications of the Upstream Approach of Global Supply Chain Security Controls on Trade Operations - A Case Study of Hong Kong <u>M.C.B. CHENG</u> and D. WANG Transit Timetable Arrangement Optimization for Passenger Transfer <u>Y.H. CHENG</u> and S.F. CHEN Mitigate the Bullwhip Effect in Supply Chains Using Advance Demand Information and Decentralized Negotiations <u>Y. OUYANG</u> Efficient Auction Mechanisms for Distributed Transportation Service Procurement <u>S.X. XU</u>

Session A2: Outstanding Student Paper Award (Picasso Room B) <i>Session Chair: Dr. Stephen W. K .Lam</i>	
13:30 - 14:50	Effects of Multi-Tasking, Activity Envelopes and Travel Episode Characteristics on Judgements of Travel Experience <u>S. RASOULI</u> Robust Transit Network Design with Stochastic Demand Considering Development Density <u>K. AN</u> Reliability-Based Stochastic Transit Assignment: Formulation and a Paradox <u>Y. JIANG</u>

Session A3: Transportation Surveys & Modelling (I) (Monet Room A) <i>Session Chair: Dr. W. H. Lin</i>	
13:30 - 14:50	Dynamic Stochastic Macroscopic Traffic Model Considering Vehicle Type Information Based Lane Flow Distributive Ratio <u>T. PAN</u> and A. SUMALEE Speed Distribution and Free Speed Characteristics on Urban Arterial Roads Under Mixed Traffic Conditions A. DHAMANIYA and <u>S. CHANDRA</u> Vehicle Re-Identification with Self-Adaptive Time Windows for Real-Time Freeway Travel Time Estimation under Traffic Demand and Supply Uncertainty <u>J. WANG</u>

Session A4: Travel Behaviour Modelling (I) (Monet Room B) <i>Session Chair: Dr. K.I. Wong</i>	
13:30 - 14:50	Commute Behaviour of METU Campus Travelers <u>O. ALTINTASI</u> and H. TUYDES-YAMAN On the Morning Commute Problem at a Merge with Stochastic Capacity <u>L. XIAO</u>, R. LIU and H. HUANG Modelling Driving Behaviour of Powered Two-Wheelers in Mixed Traffic Flow <u>K. I. WONG</u>, H.C. WANG, Y. J. LI, T.C. LEE, T.P. HSU and G. L. CHANG Malaysians' Travel Pattern during Chinese New Year 2013 <u>J.S. HO</u> and S. AKMALIA Estimation of Value of Travel Time and Travel Time Reliability for Heterogeneous Drivers in Road Network <u>T. KATO</u>, K. UCHIDA and T. TAMURA

14:50 - 15:20	Coffee Break (Pre-Function Area)
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Transportmetrica B: Transport Dynamics (TTRB) - Editorial Board Meeting
 (Café On M, Mezzanine Level)

Session B1: Transportation, Land Use & Built Environment (I) (Picasso Room A) <i>Session Chair: Dr. Jason Cao</i>	
15:20 - 16:40	Exploring the impact of the Hiawatha LRT on transit use <u>J. CAO</u> Tradable Property Tax Credits for Balancing Residential Density and Housing Externalities <u>Y.J. CHEN</u>, Z.C. LI and W.H.K. LAM Provision and Demand of Taxi Services in the Night Time in Seoul Metropolitan Area <u>W.D. LEE</u> Built Environments, Travel Attitudes and Travel Behavior: Residential Self-Selection or Residential Determination? A Case Study of Beijing, China <u>T. LIN</u>

Session B2: Transport Dynamics (I) (Picasso Room B) <i>Session Chair: Prof. Jaisung Choi</i>	
15:20 - 16:40	A Real-Time Predictive Model for the Turning Movements at an Isolated Signalized Junction <u>S. LEE</u>, S.C.WONG, C.C.C. PANG and K. CHOI Analysis on the Congestion Propagation Effects Influenced by Traffic Incident Using Microscopic Simulation <u>L.X. NGUYEN</u>, T. USHIKI and Y. ASAKURA Traffic State Estimation from Partial Bluetooth and Volume Observations: Case Study in the Brisbane Metropolitan Area <u>A. NANTES</u>, D. NGODUY, M. MISKA and E. CHUNG Integration of Cell Transmission Model and Macroscopic Fundamental Diagram: Network Aggregation for Dynamic Traffic Models <u>Z. ZHANG</u> and V.V. DIXIT A Bi-Level Model for Identifying Critical Emergency Evacuation Facilities in Stochastic Transportation Networks Y. YUAN, <u>Y. LIU</u> and H. PANG

Session B3: Regional and International Transportation (I) (Monet Room A) <i>Session Chair: Prof. Andreas Knorr</i>	
15:20 - 16:40	Airline Market Structure and Airport Efficiency: Evidence from Major Northeast Asian Airports <u>Y. WAN</u>, H.K. HA, Y. YOSHIDA and A. ZHANG Developing a Quality Risk Assessment Model of Airline Service <u>K.C. HU</u> and M.W. HSIAO Service Customization of Airlines: Effects of Option Framing and Option Attribute on Purchasing Decision of Air Passengers <u>W. JEN</u>, M.Y. LU, C.C. WU and I.S. LI Benefit-Cost Analysis of Airport Infrastructure within a Sustainability Framework: A Case Study of Hong Kong International Airport <u>L. LI</u> and B.P.Y. LOO

Session B4: Travel Behaviour Modelling (II) (Monet Room B) <i>Session Chair: Prof. Y.C. Chiou</i>	
15:20 - 16:40	Modelling Travelers' Learning Process in Travel Mode Choices under Uncertainty <u>L. ZHAO</u> and C. YANG Systematic Review of Major Risk Scenarios through Operations System Safety Assurance <u>N. NG</u> Resilience Assessment under Natural Disasters <u>T.Y. HU</u>, W.M. HO and Y.N. KO Passengers' Willingness to Pay for Improving Safety, Security and Comfort in Rail Travel <u>C.H. WEN</u>, Y. YEH and C.W. LIN Target Marketing Strategies of Tourist Shuttle Bus Operation: An Empirical Case in Sun Moon Lake, Taiwan <u>C.H. HSIEH</u>, C.M. FENG and W.C. LIN

16:40 - 18:00	Break / Free Time
18:00 - 20:00	Travel Behaviour and Society - Cocktail Reception (Monet Room A& B)

16 December 2013 (Monday)

Plenary Session II (Picasso Room) <i>Session Chair: Prof. Becky P.Y. Loo</i>	
09:00 - 09:30	On the Optimal Target Curbside Parking Occupancy Rate <u>R. ARNOTT</u> <i>University of California, Riverside, United States</i>
09:30 - 10:00	Mobility and Health: Addressing the Uncertain Geographic Context Problem in Transportation Research <u>M.P. KWAN</u> <i>University of Illinois at Urbana-Champaign, United States</i>
10:00 - 10:30	Re-imaginig Process: Implications for Transport Research <u>T. SCHWANEN</u> <i>University of Oxford, United Kingdom</i>

10:30 - 11:00	Coffee Break (Pre-Function Area)
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TTRA & TTRB Meet-the-Editors reception (Pre-Function Area)

Session C1: Regional and International Transportation (II) (Picasso Room A) <i>Session Chair: Dr. Jason M.C. Ni</i>	
11:00 - 12:20	Seaports Policy in Britain and Mainland Europe: A Clash of Cultures <u>M. ASTERIS</u> Transitions of Mobility Systems in Urban Regions: A Heuristic Framework A. SWITZER, <u>L. BERTOLINI</u> and J. GRIN Robust Optimization Approach to Empty Container Repositioning in Liner Shipping <u>H.T. TSANG</u> and H.Y. MAK Optimal Trajectory for Train Rescheduling F. XU, B. HEYDECKER, T. FUJIYAMA and <u>A.H.F. CHOW</u> Response to Future Mega Infrastructures in Pearl River Delta: Case Study of Macau <u>J.M.C. NI</u> and B.P.Y. LOO

Session C2: Logistics & Supply Chain Management (II) (Picasso Room B) <i>Session Chair: Dr. Sin C. Ho</i>	
11:00 - 12:20	Solving a Repositioning Problem in Bike-Sharing Systems using TABU Search <u>S.C. HO</u> and W.Y. SZETO Location of Quick Charging Facilities <u>Y. LI</u> and H.Y. MAK Integrated Rolling Stock and Route Improvement Optimizer Y.C. LAI, P.W. HUANG and <u>M.H. WU</u> A Parabolic Spatial Filtering Approach for Route Search Optimization <u>L.S.C. PUN-CHENG</u> and E.C.M. MOK

Session C3: Transportation & Social Sustainability (I) (Monet Room A) <i>Session Chair: Dr E. Owen D. Waygood</i>	
11:00 - 12:20	Evaluation of Accessibility to Retail Stores for Elderly and Non-Elderly Residents in a Small Sized City <u>K. TERAYAMA</u>, M. ODANI and N. AKITA Human Centered Designs, Urban Streets, and Characteristics of Livable Streets <u>J. CHOI</u>, S. KIM, D. MIN, S.KIM and S.CHOI What Customer Focus Looks Like – Providing High Quality Passenger Waiting Spaces in Smaller, On-Street Interchanges and Stops <u>B. SMITH</u> and S. HARDCASTLE Public Transport Air Pollution Impacts on Children's Lung Function – A Case Study in Hong Kong <u>K.L. MAK</u>, S.H. LEE, W.K. LOH and W.M. KWONG Connecting with Neighbours: Investigating How Transportation and the Built Environment Affect Children's Community Connections <u>E.O.D. WAYGOOD</u>

Session C4: Transportation Infrastructure (Monet Room B) <i>Session Chair: Prof. Blas Perez Henriquez</i>	
11:00 - 12:20	System Cost Estimation for an Urban Multi-Modal Transport Corridor <u>J. WEERAWARDANA</u> and A. S. KUMARAGE Robust Bunker Management for Liner Shipping Networks <u>S. WANG</u> and Q. MENG Identification of Valid Turning Movements of Road Networks Using Low Frequency GPS Data K.H. TEO, K.K. LIM and <u>S. ROBINSON</u> Optimal Cordon Toll Pricing Scheme in a Radial Monocentric City <u>Y.D. WANG</u>

Session C5: Travel Behaviour Modelling (III) (Picasso Room) <i>Session Chair: Prof. S.C. Wong</i>	
11:00 - 12:20	Activity-Based Travel Demand Models for Singapore <u>S. LI</u>, C. CARRION, M. ABOU-ZEID and M. BEN-AKIVA Simulating Endogenous Dynamics of Activity-Travel Behaviour: Results of Numerical Simulations <u>I. PSARRA</u>, F. LIAO, T. ARENTZE and H. TIMMERMANS Bottleneck Model Revisited: An Activity-Based Perspective <u>Z.C. LI</u>, W.H.K. LAM and S.C. WONG On the Heterogeneity of Mode Choice Behaviours of Travellers in Taiwan <u>Y.C. CHIOU</u>, C.H. WEN, L.W. LAN, Y.S. LIN, C. FU and C.W. HSIEH The Influence of Social Network on Departure Time Choices <u>Y. XIAO</u>, L. XIAO and H.K. LO

12:20 - 13:20	Conference Lunch (Academy Room, 1/F)
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Session D1: Transportation Surveys & Modelling (II) (Picasso Room A) <i>Session Chair: Prof. Z.C. Li</i>	
13:20 - 14:40	First-Best Marginal Cost Toll for Reliability-Based Traffic Assignments with Link Supply Correlation and Network Design W.Y. SZETO, <u>B. WANG</u> and S.C. WONG Enhanced Trip Rate Estimation Model for Predicting Columbarium Trips in Hong Kong W.Y. SZETO, <u>J. YEUNG</u> and R.C.P. WONG The Calibration of Bi-Directional Pedestrian Stream Model for Carnival Events <u>S. XIE</u> and S.C. WONG Dynamic Surcharge Pricing in Urban Car Sharing <u>G. MA</u> A Bi-Level Vacant Taxi Trip Distribution Model <u>R.C.P. WONG</u>

Session D2: Transportation, Land Use & Built Environment (II) (Picasso Room B) <i>Session Chair: Prof. Luca Bertolini</i>	
13:20 - 14:40	Optimal Supply of Parking Space with Both Private and Public Transportation <u>J. WANG</u> and X. ZHANG The Developer-Led Residential Parking Supply in China: A Case Study of Shenzhen <u>Q. LIU</u> and J.J. WANG Optimal Transport and Land Use Patterns: Developer Versus Resident Objectives <u>K.F. NG</u> and H. K. LO Does a Polycentric Structure Reduce Trip Cost? A Comparison of Melbourne, Australia and Riyadh, Saudi Arabia <u>M. ALQHATANI</u> and S. SETUNGE

Session D3: Transport & Social Sustainability (II) (Monet Room A) <i>Session Chair: Dr. N. N. Sze</i>	
13:20 - 14:40	A Binary Logistic Regression Model for the Success of Road Safety Target <u>N.N. SZE</u>, S.C. WONG and C.Y. LEE Young Driver Distraction by Text Messaging: A Comparison of the Effects of Reading and Texting in Chinese versus English <u>W. YAN</u>, S.C. WONG, L. ZHANG, Y.C. LI, N.N. SZE and X. YAN A Novel Solution Approach to Static Repositioning in Bike-Sharing Systems W.Y. SZETO, <u>Y. LIU</u>, and S.C. WONG Young Driver Behaviors Analysis: Relationship between Traffic Rule Violations and Socio-Demographic Structure <u>Y. ALVER</u>, M.M. MUTLU and M.C. DEMIREL Effects of Helmet Law Enforcement on Helmet Use: A Case Study in Maoming, China <u>C. WU</u> and B.P.Y. LOO

Session D4: Transport Dynamics (II) (Monet Room B) <i>Session Chair: Prof. S. Travis Waller</i>	
13:20 - 14:40	Analysis of the Occurrence and Clearance Time of Traffic Congestion Caused by Accidents on Expressways Based on a Copula Modelling Approach <u>Y. JIANG</u>, J. ZHANG, H. ZHANG, A. FUJIWARA, H. TOMITAKA and T. MATSUSHITA Enhancing the Capacity of Weaving Section by Implementing Appropriate Control Measures <u>X. LI</u>, B. JIA and W.H.K. LAM Continuous Price and Flow Dynamics of Tradable Mobility Credits with Price Regulation <u>H. YE</u> and H. YANG A Linear Program Network Design Model Incorporating System Optimal Strategic Dynamic Traffic Assignment Behaviour <u>M. DUELL</u>, T. WEN and S. T. WALLER

Session D5: Travel Behaviour Modelling (IV) (Picasso Room) <i>Session Chair: Prof. Yanwei Chai</i>	
13:20 - 14:40	The Downs-Thomson Paradox with Monopoly Transit Operator and Heterogeneous Commuters <u>F. ZHANG</u> and H. YANG Congestion in Daily Travel and its Impacts on Subjective Well-Being in Beijing, China <u>F. WANG</u> and D. WANG The α-Reliable Mean-Excess Transit Equilibrium Model with Seat Capacity Constraint <u>S. SUN</u>, W.Y. SZETO and S.C. WONG Estimating Annual Average External Cost of Private Cars in Shanghai <u>J. ZHAO</u> and X. ZHANG A Fuzzy Ant Colony Models for Traffic Assignment <u>C.A. NUNES-COSENZA</u> and F. MORA-CAMINO

14:40 - 15:10	Coffee Break (Pre-Function Area)
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Travel Behaviour and Society - Editorial Board Meeting (Café On M, Mezzanine Level)

Session E1: Transportation Surveys & Modelling (III)

(Picasso Room A)

Session Chair: Dr. D. Ngoduy

15:10 - 16:30	Platoon Based Macroscopic Model for Intelligent Traffic Flow <u>D. NGODUY</u> A Hyperpath-Based Route Planning System on the Cloud <u>J. MA</u> and D. FUKUDA A Hybrid Algorithm for Bicycle Network Design <u>C.S. SHUI</u>, W.Y. SZETO and S.C. WONG Urban Traffic Flow Prediction with Macro-Micro Model <u>Y.T. ZHU</u>, Z.C. HE, C.J. CHEN, W.J. YE and J.F. CHU Updating of Optimal Traffic Plate Scanning Locations with Link Counts to Enhance the Origin-Destination Matrix Estimation under Budget Limitation <u>T. SIRIPIROTE</u>
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Session E2: Public Transportation

(Picasso Room B)

Session Chair: Prof. John Zacharias

15:10 - 16:30	Identification of Public Transit Vehicle Arrival with Arrival Time and Dwell Time Estimation Based on Crowd-Source Wi-Fi MAC Address <u>P. WEPULANON</u> and A. SUMALEE Review of Circumferential Rapid Transit Lines <u>S. SAIDI</u>, S. C. WIRASINGHE and L. KATTAN Bus Transportation in the Philippines <u>Y. BOQUET</u> Understanding and Building Public Opinion Regarding Transit in Southeastern Michigan C. BERNASCONI, <u>X. ZHONG</u> and L. HANIFIN Ways to Promote Taxi Calling in Bangkok <u>V. SRISURAPANON</u>
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Session E3: Transportation, Energy & Climate Change

(Monet Room A)

Session Chair: Dr. Jimin Zhao

15:10 - 16:30	Economics of Electric Vehicle Adoption: A Framework Model <u>V. BILOTKACH</u> and M. MILLS Detecting Braess', Emission and Noise Paradoxes in Urban Transportation Networks W.Y. SZETO, <u>Y. WANG</u> and S.C. WONG Combined Model with Go-Green Modes S. KITTHAMKESORN, <u>A. CHEN</u>, X. XU, S. RYU and C. YANG Pathways to Sustainable Mobility in Chinese Cities: Case Study of Jinan <u>J. ZHAO</u>, R. HICKMAN, D. BANISTER, J. LIU and Y. ZHOG Sustainable Transport in Hong Kong: Reshuffling the Transport Hierarchy Based on Geographical and Trip Characteristics Variations, a Case Study of Shatin <u>S.L. NICHOLS</u> and B.P.Y. LOO
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Session E4: Transport Dynamics (III) (Monet Room B) <i>Session Chair: Dr. Andy Chow</i>	
15:10 - 16:30	MATSim and EMME/2 Comparison: The Case Study of an Administrative District (Gangnam-Gu) in Seoul <u>Y. YU</u>, A. ALI, J. KIM, S. NA and S. LEE Modelling the Formation of Queues Made by a Cluster of Powered Two-Wheelers at Signalised Intersections <u>T.C. LEE</u>, K.I. WONG, T.P. HSU and G.L. CHANG Improving Travel Efficiency by Non-Rigid Expirable Parking Reservation W. LIU, H. YANG and <u>F. ZHANG</u> An Evacuation-Chain Based Dynamic Assignment Model with Evacuation Timing And Delay Penalty <u>J. URATA</u> and E. HATO Probe Vehicle Data Based Offline Map Matching Algorithm for City Tunnel Section <u>J.F.CHU</u>, Z.C.HE, Z.Q.CHEN, L.L. DENG and Y.T. ZHU

Session E5: Travel Behaviour Modelling (V) (Picasso Room) <i>Session Chair: Prof. Harry J.P. Timmermans</i>	
15:10 - 16:30	Vehicle Holding Path Transitions: A Latent Class Model Using Retrospective Survey Data S. RASOULI and <u>H.J.P. TIMMERMANS</u> Incorporating Human Memory Biases in Travel-Behavior Models of Judgment and Learning: Availability and Fluency Heuristics <u>T.A. ARENTZE</u> Using GPS and Accelerometry to Assess Older Adults' Driving Behaviours and Performance: Challenges and Future Directions <u>I.Y. WONG</u> Activity-Travel Behavior, Activity Space, and Urban Form: A Study of Suburban Residents in Beijing Using GPS Data M.P. KWAN, <u>Y. SHEN</u> and Y. CHAI

Closing Addresses (Picasso Room)	
16:30 - 17:00	Presentation of the Outstanding Student Paper Award
	Closing Speech by Dr. J.J. Wang <i>Co-chairperson, 18th International Conference of HKSTS</i>
	Speech by Dr. Z. Leng <i>Chairperson, 19th International Conference of HKSTS</i>
17:00 - 18:00	Break / Free Time
18:00 - 21:00	Conference Banquet (Venue: Picasso Room, InterContinental Grand Stanford)

Session P: Poster Session (Picasso Room)	
14:00 - 16:00 14 December 2013 (Saturday)	The Effects of Alcohol on Driving Performance in Chinese Adults Measured by a Driving Simulator <u>Y. C. LI</u> , S. C. WONG, N. N. SZE, Wei YAN, K. L. TSUI
	Highway Traffic State Estimation and Prediction Considering Measurement Errors and Traffic Uncertainty <u>C.C. LU</u> , J.B. SHEU and M.Y. HSIEH
	An Enhanced Forward Dynamic Programming Approach for the Lot Size Problem with Time-Dependent Demand Y. TIAN and <u>W.H. LIN</u>
	The Stochastic Emergency Service Vehicle Re-Routing Problem <u>C. LEI</u> , W.H. LIN and L. MIAO
	Predicting Disrupted Network Behaviour Incorporating User Equilibrium with Recourse <u>K. P. WIJAYARATNA</u> , M. DUELL and S.T. WALLER
	The Influence of the Voyage Parameters over the Ship's Energy Efficiency Operational Index <u>N. ACOMI</u> and O.C. ACOMI
	Urban Road Traffic Smoothness and Its Relation with Signal Control <u>Y. SHI</u> , X. YANG and Y. BAI
	Modelling Household's Interaction of Decision Making Processes in Choosing Departure Time and Activity Time with a Discrete-Continuous Models <u>Y. WAKABAYASHI</u> and E. HATO
	Analysis of Bilateral Air Passenger Flows: A Non-Parametric Multivariate Adaptive Regression Spline Approach <u>L.Y. CHANG</u> , H.C. CHU and D.J. LIN
	Study on Mode Choice of Public Transit of Passengers Arriving by Rail <u>J. ZHANG</u> , C. MA, X. JI, and B. RAN
	Equity in Transportation: The Crowding Experience for Commuters in Qinche, a Satellite Town of Beijing <u>Z. SUN</u> and J. ZACHARIAS
	Development of a Transportation Elderly Society Index for the Aged-Society in Future <u>D. LEE</u> , N. SUNG and J. CHO
	Urban Travellers Behaviour: Why They Do Not Use Urban Facilities? <u>E. VENEZIA</u>

Arterial Street Incident Detection Using Bayesian Network
C. YANG, W. JIAO and H. LI

Nonlinear Pair-Wise Adjustment Dynamic Model Accounting for Traveler's Bounded Rationality
W.Y. ZHANG, Z. B. HE and W. GUAN

Session P: Poster Session (Picasso Room)	
14:00 - 16:00 14 December 2013 (Saturday)	Temporal Dynamics of Trip Making Characteristics and Parking Requirements in Abu Dhabi O. MESHACK, M. J. MOHAMED, F. ZIDAN, <u>A. ALJASSMI</u> and M. DIBAS
	Detection of Vehicle Trips through the Analysis of Automatic Vehicle Identification Data <u>F. YAN</u> and C. YANG
	A GIS-based Evaluation of the Accessibility of Public Transit in Toledo, Ohio <u>X. LIN</u> and D. ACHARYA
	Characteristics of Intercity Transportation Market of Taiwan Western Transportation Corridor <u>Y.J. CHUANG</u> , I.C. LEE, C.W. CHANG and Y.W. YANG
	Optimal Plan for Land Use and Transport Developments with Consideration of Climate Changes <u>H.W. HO</u> and A. SUMALEE
	Could Chinese, Thai and Scottish Future Drivers Be Incentivised to Purchase Low Emission Cars? - The Potential Role of Green Taxation Measures <u>M. CARRENO</u> , Y.E. GE, S.YAOYUENYONG and S. BORTHWICK
	The Unsustainability of Exurban Development in London: Quantifying Transport CO₂ Emissions in London's Periphery <u>C. FOCAS</u>
	Relative Analysis of Traffic and Store Preferences in Shopping Behavior - Case Study in Tokushima Urban Area <u>S. TSUJIOKA</u> , A. KONDO and K. WATANABE
	Risks and Opportunities for Private and Public Decision-Makers in the Seaport Infrastructure Sector in Northern Germany: The Case of the Offshore Terminal Bremerhaven <u>A. W. HEINEMANN</u> and A. KNORR
	Connectivity of Higher Education within the Global City Network: Does Transport Network Play a Role? <u>A.S.Y. CHOW</u> and B. P.Y. LOO
	Anti-Seismic Reinforcement Strategy for Urban Road Network: Stochastic Optimization Approach <u>T. NAGAE</u> and T. MITOME
	An Artificial Neural Network Approach to Forecast Container Flows Among the Major Ports of Asia <u>F.M. TSAI</u> , J. HUANG and C.C. CHEN
	A Novel Methodology for Enhancing the Capacity of Toll Plaza under Mixed Traffic Condition <u>M.A.R. SHAIK</u> and P. VEDAGIRI

NOTE: The name of the presenter of each paper is underlined.