

Overview Session Schedule

THE 15TH HKSTS INTERNATIONAL CONFERENCE

Transportation and Urban Sustainability

11-14 December 2010

Day 1 and 2: InterContinental Grand Stanford Hong Kong

Day 3: Room N003, The Hong Kong Polytechnic University, Hungghom, Kowloon, Hong Kong (see the direction on pages 24 to 27)

Date	Day 1 11 December (Saturday)	Day 2 13 December (Monday)	Day 3 14 December (Tuesday)
08:30 – 08:45	Registration	Registration	
08:45 – 09:00			
09:00 – 09:15	Opening Session	Plenary Session II	Technical Tour
09:15 – 09:30	Keynote Session	<i>Prof. Richard D. KNOWLES;</i>	Tour A: Western Harbour Tunnel
09:30 – 09:45	<i>Mr. Joseph Y.T. LAI, JP</i>	<i>Prof. Hai-jun HUANG;</i>	OR
09:45 – 10:00	Coffee Break	<i>Prof. Siriphong (Toi) LAWPHONGPANICH</i>	Tour B: MTR Corporation - Operations Control Centre
10:00 – 10:15			OR
10:15 – 10:30	Keynote Session	Coffee Break	Tour C: Kowloon Motor Bus Company - Headquarter and Depot
10:30 – 10:45	<i>Prof. Anthony D. MAY;</i>		
10:45 – 11:00	<i>Prof. Pravin VARAIYA</i>		
11:00 – 11:15		Parallel Session C	
11:15 – 11:30	Plenary Session I		Shuttle Bus
11:30 – 11:45	<i>Dr. C.O. TONG;</i>		
11:45 – 12:00	<i>Dr. Charisma F. CHOUDHURY</i>		
12:00 – 12:15	<i>(Outstanding Dissertation Awardee)</i>		
12:15 – 12:30	Conference Lunch	Conference Lunch	Light Lunch
12:30 – 12:45			
12:45 – 13:00			
13:00 – 13:15			
13:15 – 13:30		Parallel Session D	Croucher Foundation Special Plenary Session Transportdynamics A
13:30 – 13:45	Parallel Session A		<i>Prof. Michael G.H. BELL;</i>
13:45 – 14:00			<i>Prof. S.C. (Chan) WIRASINGHE;</i>
14:00 – 14:15			<i>Dr Simon P. SHEPHERD</i>
14:15 – 14:30			
14:30 – 14:45			
14:45 – 15:00	Coffee Break	Coffee Break	Coffee Break
15:00 – 15:15		Parallel Session E	
15:15 – 15:30	Parallel Session B		Croucher Foundation Special Plenary Session Transportdynamics B
15:30 – 15:45			<i>Prof. Terry L. FRIESZ;</i>
15:45 – 16:00			<i>Prof. Erik T. VERHOEF;</i>
16:00 – 16:15			<i>Prof. Kaan OZBAY</i>
16:15 – 16:30			
16:30 – 16:45		Conference Chairman Address	
16:45 – 17:00		Shuttle Bus	
17:00 – 17:15			
17:15 – 17:30			
17:30 – 17:45			
17:45 – 18:00		Break	
18:00 –		Conference Banquet	

Programme

THE 15TH HKSTS INTERNATIONAL CONFERENCE

Transportation and Urban Sustainability

11 December 2010 (Saturday)

InterContinental Grand Stanford Hong Kong

Time	Event				
08:30 – 09:00	Registration (Pre-Function Area)				
09:00 – 09:15	Welcome Address (Picasso Room)				
	<p>Prof. J.G. TENG <i>Dean, Faculty of Construction and Land Use, The Hong Kong Polytechnic University</i></p> <p>Ir Prof. William H.K. LAM <i>President, Hong Kong Society for Transportation Studies (HKSTS); Co-Chairman, The 15th HKSTS International Conference</i></p>				
09:15 – 09:45	Keynote Address (Picasso Room)				
	<p>Mr. Joseph Y.T. LAI, JP <i>Commissioner for Transport, Transport Department, The Government of the Hong Kong Special Administrative Region</i></p>				
09:45 – 10:15	Coffee Break (Pre-Function Area)				
10:15 – 11:15	Keynote Address (Picasso Room)				
	<p>Prof. Anthony D. MAY <i>Emeritus Professor of Transport Engineering, Institute for Transport Studies, University of Leeds, U.K.</i></p> <p>Prof. Pravin VARAIYA <i>University of California, Berkeley, U.S.A.</i></p>				
11:15 – 12:15	Plenary Session I (Picasso Room)				
	<p>Dr. C.O. TONG <i>The University of Hong Kong, Hong Kong</i></p> <p>Dr. Charisma F. CHOUDHURY <i>Bangladesh University of Engineering and Technology, Bangladesh (Outstanding Dissertation Paper Award)</i></p>				
12:15 – 13:30	Conference Lunch (Academy Room, 1/F)				
13:30 – 14:50	Session A1 (Picasso Room)	Session A2 (Picasso Room A)	Session A3 (Picasso Room B)	Session A4 (Monet Room A)	Session A5 (Monet Room B)
	Sustainable Transportation Systems	Transportation Safety I	Outstanding Student Paper Award	Infrastructure and Transportation Planning	Congestion Pricing I
14:50 – 15:20	Coffee Break (Pre-Function Area)				
15:20 – 17:00	Session B1 (Picasso Room)	Session B2 (Picasso Room A)	Session B3 (Picasso Room B)	Session B4 (Monet Room A)	Session B5 (Monet Room B)
	Activity Based Travel Behavior	Travel Behavior Modeling I	Freight Transportation and Maritime	Network Modeling I	Network Modeling II

Programme

THE 15TH HKSTS INTERNATIONAL CONFERENCE

Transportation and Urban Sustainability

13 December 2010 (Monday)

InterContinental Grand Stanford Hong Kong

Time	Event				
09:00 – 10:30	Plenary Session II (Picasso Room) Prof. Richard D. KNOWLES <i>University of Salford, U.K.</i> Prof. Hai-Jun HUANG <i>Beijing University of Aeronautics and Astronomy, China</i> Prof. Siriphong (Toi) LAWPHONGPANICH <i>University of Florida, U.S.A.</i>				
10:30 – 10:55	Coffee Break (Pre-Function Area)				
10:55 – 12:15	Session C1 (Picasso Room) Network Reliability	Session C2 (Picasso Room A) Transportation Safety II	Session C3 (Picasso Room B) Demand Modeling	Session C4 (Monet Room A) Congestion Pricing II	Session C5 (Monet Room B) Network Modeling III
12:15 – 13:20	Conference Lunch (Academy Room, 1/F)				
13:20 – 14:40	Session D1 (Picasso Room) Transportation and the Environment	Session D2 (Picasso Room A) Travel Behavior Modeling II	Session D3 (Picasso Room B) Intelligent Transportation System	Session D4 (Monet Room A) Transport and Land Use	Session D5 (Monet Room B) Network Design
14:40 – 15:05	Coffee Break (Pre-Function Area)				
15:05 – 16:45	Session E1 (Picasso Room) Air Transport	Session E2 (Picasso Room A) Logistics and Operation Research	Session E3 (Picasso Room B) Highway Engineering	Session E4 (Monet Room A) Traffic Flow and Traffic Signals	Session E5 (Monet Room B) Public Transport
16:45 – 17:00	Conference Chairman Address (Picasso Room)				
18:00 –	Conference Banquet (Hung Kee Seafood Restaurant, Sai Kung, Kowloon)				

Programme

THE 15TH HKSTS INTERNATIONAL CONFERENCE

Transportation and Urban Sustainability

TECHNICAL TOUR and

CROUCHER FOUNDATION SPECIAL PLENARY SESSIONS TRANSPORTDYNAMICS

14 December 2010 (Tuesday)

Room N003, The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong

(see the direction on pages 24 to 27)

Time	Event
09:00 – 12:30	<p>Technical Visit (see details including different assembly time for each Technical Tour)</p>
12:30 – 13:30	<p>Light Lunch (Area outside room N003, The Hong Kong Polytechnic University) (See the direction on pages 24 to 27)</p>
13:30 – 15:00	<p>Croucher Foundation Special Plenary Session Transportdynamics A (Room N003, The Hong Kong Polytechnic University)</p> <p>Prof. Michael G.H. BELL <i>Imperial College, U.K.</i></p> <p>Prof. S.C. (Chan) WIRASINGHE <i>University of Calgary, Canada</i></p> <p>Dr. Simon P. SHEPHERD <i>Institute for Transport Studies, University of Leeds, U.K.</i></p>
15:00 – 15:30	<p>Coffee Break (Area outside room N003, The Hong Kong Polytechnic University)</p>
15:30 – 17:00	<p>Croucher Foundation Special Plenary Session Transportdynamics B (Room N003, The Hong Kong Polytechnic University)</p> <p>Prof. Terry L. FRIESZ <i>University of Pennsylvania, U.S.A.</i></p> <p>Prof. Erik T. VERHOEF <i>Free University of Amsterdam, The Netherlands</i></p> <p>Prof. Kaan OZBAY <i>Rutgers University, U.S.A.</i></p>

Detailed Session Schedule

11 December 2010 (Saturday)

InterContinental Grand Stanford Hong Kong

Time	Event
	Welcome Address (Picasso Room)
09:00 – 09:10	Welcome Speech by Prof. J.G. TENG <i>Dean, Faculty of Construction and Land Use, The Hong Kong Polytechnic University</i>
09:10 – 09:15	Opening Speech by Ir Prof. William H.K. LAM <i>President, HKSTS; Co-Chairman, The 15th HKSTS International Conference</i>
	Keynote Address (Picasso Room)
09:15 – 09:45	Sustainable Transport in Hong Kong <i>Mr. Joseph Y.T. LAI, JP</i>
09:45 – 10:15	Coffee Break
	Keynote Address (Picasso Room) Session Chair: Ir Prof. William H.K. LAM
10:15 – 10:45	Urban Transport and Sustainability: The Key Challenges <i>Prof. Anthony D. MAY</i>
10:45 – 11:15	Active Traffic Management <i>Prof. Pravin VARAIYA</i>
	Plenary Session I (Picasso Room) Session Chair: Prof. Janny M.Y. LEUNG
11:15 – 11:45	The Theory and Practice of Transit Information Systems <i>Dr. C.O. TONG</i>
11:45 – 12:15	Modeling Driving Decisions: A Latent Plan Approach <i>Dr. Charisma F. CHOUDHURY</i>
12:15 – 13:30	Conference Lunch (Academy Room, 1/F)
	Session A1: Sustainable Transportation Systems (Picasso Room) Session Chair: Prof. Yves BOQUET
13:30 – 14:50	Strategic Development of Electric Vehicle Infrastructure in Hong Kong <i>Chai-Ming MAK, Ron CHUNG and Jie LI</i>
	Can Urban Restructuring Improve Transport Sustainability? Modelling of Employment Decentralisation Scenarios for Brisbane, Australia <i>M. BURKE and T. LI</i>
	“Cash For Clunkers” and Environmental Sustainability - A Comparison of the German and the US Environmental Bonus Programs <i>M. NOFZ, A. KNORR, U. STELKENS and J. BELLMANN</i>
	The Return of Bicycles as A Sustainable Transportation Tool in France <i>Yves BOQUET</i>

Detailed Session Schedule

11 December 2010 (Saturday)

InterContinental Grand Stanford Hong Kong

Time	Event
	Session A2: Transportation Safety I (Picasso Room A) Session Chair: Prof. Richard TAY
13:30 – 14:50	Effective Measures in Combating Red Light Violation: An Observational Study in Hong Kong <i>N.N. SZE, S.C. WONG, X. PEI, P.W. CHOI and Y.K. LO</i>
	Area Deprivation and Traffic Casualties: The Case of Hong Kong <i>Becky P.Y. LOO and Shenjun YAO</i>
	Geographically-Weighted Regression Models for Improved Predictability of Urban Intersection Vehicle Crashes <i>Z. LI, S. STALEY and A. MOORE</i>
	Effect of Street Pattern on the Severity of Older Driver Involved Crashes: Are Policy Decisions Sensitive to Different Modeling Methodology? <i>Richard TAY, Shakil Mohammad RIFAAT and Alex DE BARROS</i>
	Session A3: Outstanding Student Paper Award (Picasso Room B) Session Chair: Dr. Stephen W.K. LAM
13:30 – 14:50	Competition Between Cities – An Exploration of Response Surfaces and Possibilities for Collusion <i>Andrew KOH</i>
	A Multilevel Investigation of the Relationship between Gender and Residential Location in Affecting Individual Mobility and Accessibility to Opportunities <i>Winnie W.Y. LAM</i>
	A MILP Approximation Approach for Finding Optimal Toll Locations and Levels in Elastic Demand Traffic Networks <i>J. EKSTRÖM</i>
	Session A4: Infrastructure and Transportation Planning (Monet Room A) Session Chair: Prof. Anthony STATHOPOULOS
13:30 – 14:50	Optimized Scheduling of State Road Projects: The Case of Thuringia <i>F.M. HEINITZ</i>
	Meeting Mobility Needs in Megacities Using 3-D Transportation Planning: Concept and Applications <i>Adrian T. MOORE, Samuel R. STALEY and Zongzhi LI</i>
	Effect of Public and Private Capital Stock on Economic Development <i>M.G. KARLAFTIS, E. KASTROUNI and A. STATHOPOULOS</i>
	RFID-Based Travel Time Estimation: Development Case in Bangkok <i>K. SRINGIWAI, N. INDRA-PAYOONG, A. SUMALEE, P. RAOTHANACHONKUN and W. SRIBORRIRUX</i>

Detailed Session Schedule

11 December 2010 (Saturday)

InterContinental Grand Stanford Hong Kong

Time	Event
	Session A5: Congestion Pricing I (Monet Room B) Session Chair: Prof. Yafeng YIN
13:30 – 14:50	Sensitivity of Pricing Policies on Traffic Congestion and Emissions <i>F.K. TSANG, Hong-Zhi LIN and Hong K. LO</i>
	Design of More Equitable Pricing Schemes by Capturing Their Distributional Effects <i>D. WU, Y. YIN and S. LAWPHONGPANICH</i>
	Managing Congestion and Emission on Road Networks with Tradable Credits <i>Linxi CHEN, Hai YANG and Xiaolei WANG</i>
	Stochastic Convergence of a Hybrid Scheme of Tradable Bottleneck Permits and Congestion Pricing <i>Kentaro WADA, Takashi AKAMATSU and Takeshi NAGAE</i>
14:50 – 15:20	Coffee Break
	Session B1: Activity Based Travel Behavior (Picasso Room) Session Chair: Prof. Harry J.P. TIMMERMANS
15:20 – 17:00	Collecting Data on Individuals' Activity Participation and Time Spending in Physical and Virtual Worlds: Experiences from a Recent Survey <i>Donggen WANG and Bingxia SUN</i>
	Supernetwork Representation of Activity-Travel Programs, Integrating Transportation, Land Use and ICT <i>Feixiong LIAO, T.A. ARENTZE and H.J.P. TIMMERMANS</i>
	An Alternative Approach for Evaluation Route Establishment (ERE) Based on an Application of Space Syntax, A Case Study Of Chiang Mai, Thailand <i>I. RAUNGRATANAAMPORN and P. IAMTRAKUL</i>
	The Most Important Transportation Problem for Travelers in the United States: An Analysis of Traveler Perceptions Using The 2009 National Household Travel Survey <i>Xiaoyu ZHU and Sivaramakrishnan SRINIVASAN</i>
	Session B2: Travel Behavior Modeling I (Picasso Room A) Session Chair: Dr. K.I. WONG
15:20 – 17:00	Values of Bus Travel Time Savings and Services in Bangkok <i>S. JAENSIRISAK, A. SUMALEE and S. ONGKITTIKUL</i>
	Improving the Representation of Within-Household Interactions in ALBATROSS: A Study of Household Activity-Travel Behavior <i>R. ANGGRAINI, T.A. ARENTZE and H.J.P. TIMMERMANS</i>
	Exploring the Subjective Well-Being of Daily Travel by Core Affect Measures <i>Donggen WANG and Fei LI</i>
	On the Composite Utility of a Choice Set <i>Hong-Zhi LIN and Hong K. LO</i>
	Estimation of Activity-Based Model Parameters and Trip Chain Demand from Vehicle Identification Data <i>Agachai SUMALEE, Treerapot SIRIPIROTE and David P. WATLING</i>

Detailed Session Schedule

11 December 2010 (Saturday)

InterContinental Grand Stanford Hong Kong

Time	Event
	Session B3: Freight Transportation and Maritime (Picasso Room B) Session Chair: Dr. Manoj LOHATEPANONT
15:20 – 17:00	Britain's Maritime Container Terminals: Problems and Opportunities <i>Michael ASTERIS and Alan COLLINS</i>
	Integrated Shipment Routing and Container Booking Model for Ocean Freight Forwarders <i>M. LOHATEPANONT, S. SIRIPRAPRUT and N. KAMOLTHIPTRAKUL</i>
	Strategic Network Design for Wagonload Traffic in German Railway Logistics <i>J. SENDER and U. CLAUSEN</i>
	Green Maritime Transport – State of the Art and Challenges <i>Robert STAHLBOCK and Stefan VOSS</i>
	The Theory of “Two-sided Markets” and its Implications for Financing Seaport Infrastructure: The Case of Germany <i>A. KNORR, A.W. HEINEMANN and A. EISENKOPF</i>
	Session B4: Network Modeling I (Monet Room A) Session Chair: Dr. Qiang MENG
15:20 – 17:00	Discretised Route Travel Time Models based on Cumulative Flows: Formulations and Properties <i>Jiancheng LONG, Hai-Jun HUANG and Ziyou GAO</i>
	Probit-based Stochastic User Equilibrium Problem: Is It Computationally Acceptable? <i>Zhiyuan LIU and Qiang MENG</i>
	A Continuum Modelling Approach to the Housing Allocation and Transport Emissions Problem <i>Jun YIN, S.C. WONG and N.N. SZE</i>
	On Combining Discrete Choice and Assignment Models <i>Odd I. LARSEN, Kjell JANSSON and Harald LANG</i>
	Extension of a Variational Method to Traffic Networks <i>Y.Z. TAO</i>
	Session B5: Network Modeling II (Monet Room B) Session Chair: Prof. Anthony CHEN
15:20 – 17:00	BW Model for Robust Wardrop's User Equilibrium under Uncertainties <i>C. ZHANG, M.L. XU, Q. ZHANG and N.H. XIU</i>
	Risk-Aversive Stochastic Transit Assignment <i>Y. JIANG, W.Y. SZETO and S.C. WONG</i>
	Finding Boundedly Rational User Equilibrium Flows <i>Martin WENDIN, Siriphong LAWPHONGPANICH and Yafeng YIN</i>
	Estimating Total Travel Time Distribution In Stochastic Mean-Excess Traffic Equilibrium Model <i>Xiangdong XU and Anthony CHEN</i>
	The Stochastic Cell Transmission Model Considering Spatial and Temporal Correlations for Traffic State Prediction <i>Tianlu PAN, A. SUMALEE and R.X. ZHONG</i>

Detailed Session Schedule

13 December 2010 (Monday)

InterContinental Grand Stanford Hong Kong

Time	Event
	Plenary Session II (Picasso Room) Session Chair: Prof. S.C. WONG
09:00 – 09:30	Sustainable Transit-Oriented Development in Copenhagen, Denmark <i>Prof. Richard D. KNOWLES</i>
09:30 – 10:00	Modeling Pedestrian Evacuation and Numerical Analyses <i>Prof. Hai-Jun HUANG</i>
10:00 – 10:30	Recent Developments in Models for Congestion Pricing <i>Prof. Siriphong (Toi) LAWPHONGPANICH</i>
10:30 – 10:55	Coffee Break
	Session C1: Network Reliability (Picasso Room) Session Chair: Dr. W.Y. SZETO
10:55 – 12:15	Empirical Analysis for Improvement of Travel Time Reliability due to Opening of New Expressway <i>Tomoyuki ADACHI, Ken FUJIKAWA and Yasuo ASAKURA</i>
	A Methodology for Travel Time Reliability Benefit Measurement Considering Travel Time Variability <i>Jooyoung KIM, Seungjae LEE and Sangyong YOU</i>
	Is Information Helping? An Investigation in the Stochastic Departure Time Choice Problem <i>Barbara W.Y. SIU</i>
	Critical Link Detection and Ranking in Degradable Transportation Networks <i>J. LI and K. OZBAY</i>
	Session C2: Transportation Safety II (Picasso Room A) Session Chair: Prof. Becky P.Y. LOO
10:55 – 12:15	A Joint-probability Approach to Crash Prediction Model <i>X. PEI, S.C. WONG and N.N. SZE</i>
	Factors Affecting Motorcyclists' Speeding and Helmet Usage in Malaysia <i>Satoshi FUJII and Nur Sabahiah Binti ABDUL SUKOR</i>
	Identifying Risk Conditions to Crash Severity: Genetic Mining Rule Approach <i>Yu-Chiun CHIOU, Lawrence W. LAN and Wen-Pin CHEN</i>
	Incident Duration Prediction Based on Tree Augmented Naive Bayesian Classifier <i>Dawei LI and Lin CHENG</i>
	Session C3: Demand Modeling (Picasso Room B) Session Chair: Prof. Yu-Chiun CHIOU
10:55 – 12:15	Estimation of Freeway Dynamic Origin-Destination Matrices: A Novel Approach <i>Yu-Chiun CHIOU, Lawrence W. LAN and Chun-Ming TSENG</i>
	Using GIS Techniques to Model the Changes in Urban Commuting Patterns for the South East Queensland Region <i>Tiebei LI, Jonathan CORCORAN and Matthew BURKE</i>
	Daily Visitor Volume Forecasts using Least Squares Support Vector Machines for World Exposition 2010 Shanghai China <i>Yang ZHANG</i>
	Uncertainty Analysis of a Combined Travel Demand Model <i>Chao YANG and Anthony CHEN</i>

Detailed Session Schedule

13 December 2010 (Monday)

InterContinental Grand Stanford Hong Kong

Time	Event
	Session C4: Congestion Pricing II (Monet Room A) Session Chair: Dr. Kenetsu UCHIDA
10:55 – 12:15	Simultaneous Optimization of Cordon Pricing Location and Bus Services in a Bi-Modal Transportation Corridor <i>Zhi-Chun LI, William H.K. LAM and S.C. WONG</i>
	Managing Network Mobility With Tradable Credits: Some Observations on the Heterogeneous User Case <i>Xiaolei WANG and Hai YANG</i>
	Evaluation of Toll Free Expressway Policy by Using a Multi-Regional Applied General Equilibrium Model <i>Kenetsu UCHIDA and Nao SUGIKI</i>
	An Optimal Price Design of Mobility Sharing Services using Participation-Usage Choice Model <i>Y. HARA and E. HATO</i>
	Session C5: Network Modeling III (Monet Room B) Session Chair: Prof. Odd I. LARSEN
10:55 – 12:15	A Note on Introducing Walk Options in Strategy Transit Assignment <i>Michael FLORIAN</i>
	A Large Scale Application of a Hyperpath Based Railway Route Assignment Model Considering Congestion Effects to Tokyo Metropolitan Area <i>Hideki YAGINUMA, Daisuke FUKUDA and Jan-Dirk SCHMÖCKER</i>
	An Application-Oriented Comparative Analysis of Alternative Network Demand Assignment Methods Regarding Energy Consumption and Environmental Factors <i>E. PAPANIKOLAOU, L. DIMITRIOU and A. STATHOPOULOS</i>
	Measurement Errors in a Transportation Model Network <i>Berit GRUE</i>
12:15 – 13:20	Conference Lunch (Academy Room, 1/F)
	Session D1: Transportation and the Environment (Picasso Room) Session Chair: Dr. W.T. HUNG
13:20 – 14:40	Influenced Factors Analysis of Vehicle Emission at Signalized Intersection using Microsimulation Tools <i>Chao YANG and Zhong CHEN</i>
	A Study of Ozone Concentrations and its Association with NO_x, Meteorological and Traffic Parameters at Roadside <i>Jinyi GUO, Haibo CHEN, Baohua MAO, Yulin JIANG and Shuang LIU</i>
	The Impact of CO₂ Regulations on Transportation in Supply Chains <i>H.O. GÜNTHER and M. KANNEGIESSER</i>
	Dynamic Traffic Equilibrium Models For Dynamic Access Pricing And Traffic Induced Air Pollution Pricing Scheme <i>R.X. ZHONG, A. SUMALEE, T. MARUYAMA and H.W. HO</i>

Detailed Session Schedule

13 December 2010 (Monday)

InterContinental Grand Stanford Hong Kong

Time	Event
	Session D2: Travel Behavior Modeling II (Picasso Room A) Session Chair: Prof. Mei-Po KWAN
13:20 – 14:40	Exploring Bus Passengers' Repeated Choices of Operators: A Mixed Nested Logit Model Approach Using Panel Data <i>Chieh-Hua WEN, Chia-Jung HUANG, Min-Shan TSAI and Tan-Ni CHEN</i>
	Destination Choice for Shopping: Evidence from Jakarta, Indonesia <i>H. KATO, T. OTA and Y. YAMASHITA</i>
	Temporal Interactions between People's Internet and Physical Activities <i>M.P. KWAN, F. REN and T. SCHWANEN</i>
	Analysis of Shopping Facility Choice Behavior by Residents Based on Person Trip Survey Data <i>Shota SAWAI, Michiyasu ODANI and Tomoko OKAWA</i>
	Session D3: Intelligent Transportation System (Picasso Room B) Session Chair: Dr. Sakda PANWAI
13:20 – 14:40	Short-Term Traffic Flow Forecasting for Urban Roads Using Space-Time ARIMA <i>K.I. WONG and Ya-Chen HSIEH</i>
	The Camera Based Spatial Travel Time Information: Analysis Platform and Estimation Approaches <i>X. MA and H. KOUTSOPOULOS</i>
	Access Control Schemes in a Freeway Corridor with Cellular Automaton Simulation <i>Qiong TIAN, Liang SHI and Hai-Jun HUANG</i>
	Short-Term Traffic Speed Forecasting Based on Data Recorded at Irregular Intervals <i>Qing YE, S.C. WONG and W.Y. SZETO</i>
	Session D4: Transport and Land Use (Monet Room A) Session Chair: Prof. Donggen WANG
13:20 – 14:40	Effect of the Inter-Firm Facility Sharing on Resource Circulation <i>K. OKUBO, M. OKUMURA and S. TAIRA</i>
	A Micro-Simulation Model of Firm Relocations <i>NGUYEN Cao Y, Kazushi SANO, Tran Vu TU and Doan Thanh TAN</i>
	Maximum Likelihood Estimation of an Integrated Land Use and Transport System <i>Xiaosu MA, Xiaou LIU and Hong K. LO</i>
	The Concept of Accessibility Revisited: New Measurement Approach Using Multi-State Supernetworks <i>T.A. ARENTZE, Feixiong LIAO and H.J.P. TIMMERMANS</i>

Detailed Session Schedule

13 December 2010 (Monday)

InterContinental Grand Stanford Hong Kong

Time	Event
	Session D5: Network Design (Monet Room B) Session Chair: Prof. Xiaoning ZHANG
13:20 – 14:40	Adaptive Vehicle Navigation Via En Route Stochastic Traffic Information <i>Lin XIAO and Hong K. LO</i>
	Optimal Design of Rail Line Over Years in a Transportation Corridor <i>Ding LIU, William H.K. LAM and Zhi-Chun LI</i>
	Interaction of Multiple Regions in Transportation Network Design <i>Hua WANG, William H.K. LAM and Xiaoning ZHANG</i>
	Simultaneous Urban Land Development And Transportation Network Design <i>Xiaoning ZHANG, William H.K. LAM and Hua WANG</i>
	Discrete Network Design: Time and Land Use Consideration <i>W.Y. SZETO, Xiaoqing JABE and S.C. WONG</i>
14:40 – 15:05	Coffee Break
	Session E1: Air Transport (Picasso Room) Session Chair: Prof. Kevin O'CONNOR
15:05 – 16:45	The Economics of Unbundling Air Travel Services <i>Richard KLOPHAUS</i>
	Effects of Perceived Justice and Satisfaction of Frequent Flyer Programs on Passenger's Loyalty: A Case of Taiwanese Airlines <i>K.C. HU, H.T. LIAO, L.M. LU and W. JEN</i>
	Air Services at Second Ranked Cities: Decline or Growth? <i>Kevin O'CONNOR and Kurt FUELLHART</i>
	A Frontier-based Hierarchical Clustering for Airport Benchmarking <i>Héctor RODRÍGUEZ-DÉNIZ and Augusto VOLTES-DORTA</i>
	Way of Mining Travellers' Impression from Blog Pages about using Behaviour of Kansai Airport <i>Kazutaka TAKAO and Yasuo ASAKURA</i>
	Session E2: Logistics and Operation Research (Picasso Room A) Session Chair: Prof. Stefan VOSS
15:05 – 16:45	In-House Transportation at High-Variant Mixed-Model Assembly Lines <i>R. GUJJULA, J. GOLZ and H.O. GÜNTHER</i>
	An Optimization-Based Heuristic for a Manpower Planning Problem <i>David S.W. LAI</i>
	Route-based Data Envelopment Analysis Model <i>Yu-Chiun CHIOU, Lawrence W. LAN and Barbara T.H. YEN</i>
	An Efficient Algorithm for Manpower Scheduling Problem with Time Windows and Multiple Trips <i>San-Nah SZE</i>
	An Investigation in Real-time Bus Holding Policy <i>Qin CHEN, Elodie ADIDA and Jie (Jane) LIN</i>

Detailed Session Schedule

13 December 2010 (Monday)

InterContinental Grand Stanford Hong Kong

Time	Event
	Session E3: Highway Engineering (Picasso Room B) Session Chair: Prof. Lawrence LAN
15:05 – 16:45	The Increment of Noise from the Truck While Running through Profile Marking Shoulder Rumble Strips <i>Pramuk PRABJABOK, Ponlathep LERTWORAWANICH and Vatanavongs RATANAVARAHA</i>
	Pioneering Study on Road Markings Practice in Hong Kong <i>Gordon L.M. LEUNG, W.G. WONG and L.W. CHEUNG</i>
	Factors Affecting Construction Cost of AC Overlay in Life-Cycle Cost Analysis <i>Y. WANG and G. WANG</i>
	Effect of Road Geometry, Weather and Traffic Flow on Road Safety <i>Shamas BAJWA, Hiroshi WARITA and Masao KUWAHARA</i>
	Exploring the Relationship Between CRTN and CPX Noise Measuring Methods <i>K.L. MAK, S.H. LEE, W.T. HUNG, K.Y. HO and Eddy KAM</i>
	Session E4: Traffic Flow and Traffic Signals (Monet Room A) Session Chair: Dr. Yasuhiro SHIOMI
15:05 – 16:45	Conflict Analysis for Traffic Flow Dominated by Motorcycles Based on Video Image Data <i>Teruaki HANAMORI, Yasuhiro SHIOMI and Nobuhiro UNO</i>
	Genetic Fuzzy Logic Traffic Signal Control with a Stepwise Learning Algorithm <i>Yu-Chiun CHIOU and Yen-Fei HUANG</i>
	Cell-Based Congestion and Emission Modeling for Signalized Intersections <i>Feng ZHU, Hong-Zhi LIN, Hong K. LO and Alexis Kai-Hon LAU</i>
	New Perspectives On Using Spatial Models For Travel Time Estimation <i>Daoqin TONG and Wei-Hua LIN</i>
	Systematic Monitoring and Evaluation of Traffic Quality Levels for advanced Traffic Management <i>Ulrich BRANNOLTE, Isabel VIEHMANN, Thomas KRAUS and Tobias PRETZSCH</i>
	Session E5: Public Transport (Monet Room B) Session Chair: Prof. Hai YANG
15:05 – 16:45	The Operational Performance of School Bus in a Private School in Depok, West Java, Indonesia <i>L.S. PUTRANTO and R. MAULANA</i>
	Development of a User Satisfaction Model for the Bus Information System <i>Soobeom LEE, Jiyeon HONG, Wonchul KIM and Soyoung SHIN</i>
	A Two-Stage Optimization Model for Optimal Highway Transportation Investment Decision-Making <i>B. ZHOU, A. MOORE, S. STALEY and Z. LI</i>
	Development of a Taxi Customer Search Model Using GPS Data <i>R.C.P. WONG, S.C. WONG, W.Y. SZETO and H. YANG</i>
	Taxi Services with Search Frictions and Congestion Externality <i>Teng YANG, Hai YANG and S.C. WONG</i>
16:45 – 17:00	Conference Chairman Address (Picasso Room)
18:00 –	Conference Banquet (Hung Kee Restaurant, Sai Kung, Kowloon)

Croucher Foundation Special Plenary Sessions Transportdynamics

14 December 2010 (Tuesday)

Room N003, The Hong Kong Polytechnic University, Hunghom, Kowloon, Hong Kong
(see the direction on pages 24 to 27)

Time	Event
	Croucher Foundation Special Plenary Session Transportdynamics A (Room N003, The Hong Kong Polytechnic University) Session Chair: Dr. Agachai SUMALEE
13:30 – 14:00	A Global Container Flow Model <i>M.G.H. BELL, X. LIU, S.H. HOSSEINLOO and P. ANGELOUDIS</i>
14:00 – 14:30	Analysis of Transit Flows and Speeds for Consideration of Modal Transition in a Corridor <i>S.C. (Chan) WIRASINGHE, R. THILAKARATNE and J. HUBBELL</i>
14:30 – 15:00	A System Dynamics Approach to Transport Modelling <i>Simon P. SHEPHERD</i>
15:00 – 15:30	Coffee Break (Area outside room N003, The Hong Kong Polytechnic University)
	Croucher Foundation Special Plenary Session Transportdynamics B (Room N003, The Hong Kong Polytechnic University) Session Chair: Prof. Hong K. LO
15:30 – 16:00	Reflections on the Past, Present and Future of Dynamic Transportation Network Models <i>Terry L. FRIESZ</i>
16:00 – 16:30	Step by Step: Revisiting Step Tolling in the Bottleneck Model <i>C.R. LINDSEY, V.A.C. VAN DEN BERG and E.T. VERHOEF</i>
16:30 – 17:00	Dynamic Models and Strategies for Effective Management of Incident and Emergency Operations <i>K. OZBAY</i>