

Conference Programme

THE 17th INTERNATIONAL CONFERENCE OF HONG KONG SOCIETY FOR TRANSPORTATION STUDIES

Transportation and Logistics Management

InterContinental Grand Stanford Hong Kong
70 Mody Road, Tsimshatsui East, Kowloon, Hong Kong

15 December 2012 (Saturday)

Time	Event
08:30 – 09:00	Registration (Pre-Function Area)
09:00 – 09:15	Welcome Address (Picasso Room)
	<p>Prof. Joseph H.W. LEE Vice President for Research & Graduate Studies The Hong Kong University of Science & Technology</p> <p>Ir. Prof. William H.K. LAM President, Hong Kong Society for Transportation Studies (HKSTS)</p> <p>Prof. Hong K. LO Chairman of the Organizing Committee The 17th International Conference of Hong Kong Society for Transportation Studies</p>
09:15 – 09:45	Keynote Address (Picasso Room)
	<p>Mr. Shing-Mu YAU Under Secretary for Transport and Housing The Government of the Hong Kong Special Administrative Region</p>
09:45 – 10:30	Coffee Break (Pre-Function Area)
10:30 – 12:00	Plenary Session I (Picasso Room)
	<p>Prof. Jong-Shi PANG Department of Industrial and Enterprise Systems Engineering University of Illinois at Urbana-Champaign</p> <p>Prof. Zuo-Jun Max SHEN Department of Industrial Engineering & Operations Research University of California at Berkeley</p> <p>Prof. Travis WALLER School of Civil and Environmental Engineering University of New South Wales</p>
12:00 – 13:30	Conference Lunch (Academy Room, 1/F)

Time	<i>Event</i>				
13:30 – 14:50	Session P (Picasso Room) Poster Session (2-4pm)	Session A2 (Picasso Room A) Transportation & Geography	Session A3 (Picasso Room B) Outstanding Student Paper Award	Session A4 (Monet Room A) Logistics Management I	Session A5 (Monet Room B) Infrastructure Planning
14:50 – 15:20	Coffee Break (Pre-Function Area)				
15:20 – 17:00	Session P (Picasso Room) Poster Session (2-4pm)	Session B2 (Picasso Room A) Network Modeling I	Session B3 (Picasso Room B) Travel Behavior Modeling I	Session B4 (Monet Room A) Logistics Management II	Session B5 (Monet Room B) Transport Dynamics

17 December 2012 (Monday)

09:00 – 11:00	Plenary Session II (Picasso Room)				
	<p>Prof. Michael BELL Institute of Transport and Logistics The University of Sydney</p> <p>Prof. Enrique CASTILLO Department of Applied Mathematics University of Cantabria</p> <p>Prof. Mike MAHER Institute for Transport Studies University of Leeds</p> <p>Dr. Renxin ZHONG Department of Civil and Environmental Engineering The Hong Kong Polytechnic University Awardee, HKSTS Outstanding Dissertation Paper Award</p>				
11:00 – 11:20	Coffee Break (Pre-Function Area)				
11:20 – 12:40	Session C1 (Picasso Room) Emissions & Alternative Fuels I	Session C2 (Picasso Room A) Network Modeling II	Session C3 (Picasso Room B) Traffic Flow Models	Session C4 (Monet Room A) Pricing Models	Session C5 (Monet Room B) Road Safety
12:40 – 13:40	Conference Lunch (Academy Room, 1/F)				
13:40 – 15:00	Session D1 (Picasso Room) Emissions & Alternative Fuels II	Session D2 (Picasso Room A) Network Modeling III	Session D3 (Picasso Room B) Travel Behavior Modeling II	Session D4 (Monet Room A) Transit Modeling I	Session D5 (Monet Room B) Traffic Control
15:00 – 15:20	Coffee Break (Pre-Function Area)				
15:20 – 16:40	Session E1 (Picasso Room) Information & Communications Technology	Session E2 (Picasso Room A) Transport Modeling & Surveys	Session E3 (Picasso Room B) Transportation & Land Use	Session E4 (Monet Room A) Transit Modeling II	Session E5 (Monet Room B) Network Modeling IV
	Closing Address (Picasso Room)				
16:45 – 17:15	<p>Dr. Ho-Yin MAK Co-Chairman of the Organizing Committee The 17th International Conference of Hong Kong Society for Transportation Studies</p>				
18:00 –	Conference Banquet (Venue: Monet Room A and B, InterContinental Grand Stanford)				

Detailed Session Schedule

15 December 2012(Saturday)

Welcome Addresses (Picasso Room)	
09:00 – 09:05	Welcome Speech by Prof. Joseph H.W. LEE <i>Vice President for Research & Graduate Studies</i> <i>The Hong Kong University of Science & Technology</i>
09:05 – 09:10	Opening Speech by Prof. William H.K. LAM <i>President, Hong Kong Society for Transportation Studies</i>
09:10 – 09:15	Opening Speech by Prof. Hong K. LO <i>Chairman of the Organizing Committee</i> <i>The 17th International Conference of Hong Kong Society for Transportation Studies</i>
Keynote Addresses (Picasso Room)	
09:15 – 09:45	Mr. Shing-Mu YAU <i>Under Secretary for Transport and Housing</i> <i>The Government of the Hong Kong Special Administrative Region</i>

09:45 – 10:30 Coffee Break

Plenary Session I (Picasso Room) <i>Session Chair: Dr. Ho-Yin MAK</i>	
10:30 – 11:00	Continuous-Time Dynamic Traffic Equilibrium Problems via Differential Complementarity Systems Prof. J. S. PANG
11:00 – 11:30	Infrastructure Planning for Electric Vehicles with Battery Swapping Prof. Z. J. M. SHEN
11:30 – 12:00	A Static Model for Predicting Disrupted Network Behaviour* Prof. T. WALLER

12:00 – 13:30 Conference Lunch (Academy Room, 1/F)

Session A2: Transportation & Geography (Picasso Room A) <i>Session Chair: Prof. Yves BOQUET</i>	
13:30 – 14:50	The Impact of the Asia Pacific Region on Australian International Air Transportation K. O'CONNOR and K. FUELLHART
	A Robustness Approach to the Delineation of Functional Regions from Spatial Interaction Data* A. UJIE and J. FUKUMOTO
	Ripple Effects of Interaction for the Purpose of Sightseeing in Consideration of Traffic Convenience* A. KONDO and A. KONDO

* Paper to be published in Conference Proceedings

	Moving Around the Philippines: Challenges and Dynamics of Inter-Island Transportation in a Developing Country* Y. BOQUET
	Transport Density and Urban Agglomeration Economies: a Meta-Analysis R.WANG, H.L.F. DE GROOT, C.C. KOOPMANS, P. RIETVELD

Session A3: Outstanding Student Paper Award (Picasso Room B) <i>Session Chair: Dr. Ho-Yin MAK</i>	
13:30 – 14:50	Effective Measures to Combat Drink-Driving Offences: An Attitudinal Model in Hong Kong Y.C. LI
	Bayesian Inference of Passengers' Path Choices with Incomplete Data – An Application for London Underground with Oyster Card Data* Q. FU
	A Bayesian Inference Approach to the Development of a Multidirectional Pedestrian Stream Model S. XIE

Session A4: Logistics Management I (Monet Room A) <i>Session Chair: Prof. Arne LØKKETANGEN</i>	
13:30 – 14:50	Analysis of Containership Speed Optimization Algorithms* S. WANG, Q. MENG and Z. LIU
	Simulation-Based Optimization of Earthmoving Operations Using Genetic Algorithm* J. FU
	A Two Phase Bi-Objective Algorithm for the CVRP with Route Balancing J.L.O. MENDOZA and A. LØKKETANGEN
	Estimating a State-wide Truck Origin-Destination Trip Table: A Case Study in Utah* S. JANSUWAN, and A. CHEN
	Reservation Option Pricing On Truck-Only Toll Lanes C.P. CHU, Y.L. HSIAO and H.W. HU

Session A5: Infrastructure Planning (Monet Room B) <i>Session Chair: Prof. Lawrence LAN</i>	
13:30 – 14:50	Tyre/Road Noise Modeling in Hong Kong* K.L. MAK and W.T. HUNG
	Financing Rail Transit Projects in China: Challenges of Fiscal Sustainability* A.T. MOORE, S.R. STALEY, Z. LI
	Investment Optimization for Railway Improvement and TOD Projects over Years with Consideration of Population Uncertainty D. LIU and W.H.K. LAM
	The Impact of a New Mass Rapid Transit System on Residential Property Values - The Case of Kaohsiung, Taiwan* J.D. SAPHORES and C.C. YEH

	Pavement Rehabilitation Scheduling and Toll Pricing under Different Regulatory Regimes Z.C. LI and D. SHENG
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14:50 – 15:20**Coffee Break**

Session B2: Network Modelling I (Picasso Room A) <i>Session Chair: Prof. Francesco VITI</i>	
15:20 – 17:00	The Chemical Reaction Optimization Approach to Solving the Environmentally Sustainable Network Design Problem W.Y. SZETO, Y. WANG, S.C. WONG
	An Alternative Network-Wide Risk Measure and Its Analytical Estimation Method X. XU, A. CHEN , and L. CHENG
	The Impacts of Speed Limits on Equilibrium, Emissions and Safety in Networks B.Q. ZHAO and H. YANG
	Macroscopic Properties of Dense Road Networks* J. PENG and S.C. WONG

Session B3: Travel Behavior I (Picasso Room B) <i>Session Chair: Prof. Harry TIMMERMANS</i>	
15:20 – 17:00	Co-Evolving Adaptation Strategies in Dynamic Activity-Travel Behavior* I. PSARRA, T. ARENTZE and H. TIMMERMANS
	Built Environment, Social Environment And Activity-Travel Behavior in Hong Kong D. WANG
	Health Benefits Versus Travel Time: A Bi-Objective Route Choice Model for Cyclists J.Y.T. WANG, M. EHRGOTT, K. DIRKS, J. PEARCE and A.L. CHEUNG
	Exploring the Links Between the Happiness and Episode Affect of Daily Travel: Evidence from Beijing, China* F. WANG and D. WANG
	An Empirical Study on Pedestrian Group Behaviours in Hong Kong* J.Y.S. LEE

Session B4: Logistics Management II (Monet Room A) <i>Session Chair: Prof. Stefan VOSS</i>	
15:20 – 17:00	UK Container Ports: The Changing Competitive Landscape* M. ASTERIS
	Kanban vs. Proactive Control of Material Supply at Mixed-Model Assembly Lines in the Automotive Industry* H.O. GÜNTHER, J. GOLZ
	Effects of the Inaccuracy of Inventory Record and the Vendor-Managed Inventory Technique in the Supply Chain: A Beer Game Simulation* M. LOHATEPANONT and P. YIMTANOM

	Risk Management in Global Supply Chains – Hedging for the Big Bang?* D. DADFAR, F. SCHWARTZ and S. VOSS
	Scheduling of Multi-Skilled Staff Across Multiple Locations Y.H. KUO, J.M.Y. LEUNG and C.A. YANO

Session B5: TransportDynamics (Monet Room B) <i>Session Chair: Prof. Xuegang (Jeff) BAN</i>	
15:20 – 17:00	Value of Travel Time Over Time F. RAMJERDI, V. ØSTLI and A. HALSE
	Realization Probability of Traffic User Equilibria* R. MA, X. BAN
	Urban Traffic Data Fusion* A.H.F. CHOW, I. TSAPAKIS, G. TANAKSARANOND, T. CHENG, B. HEYDECKER and A. EMMONDS
	Time-Based vs. Distance-Based Sampling in Probe Vehicle Data: Implications for Travel Time Estimation* E. JENELIUS, H.N. KOUTSOPOULOS

* Paper to be published in Conference Proceedings

17 December 2012 (Monday)

Plenary Session II (Picasso Room) <i>Session Chair: Prof. Hong K. LO</i>	
09:00 – 09:30	Container Assignment Models Prof. M. BELL
09:30 – 10:00	The Observability Problem in Traffic Networks. Optimal Location of Counting and Scanning Devices* Prof. E. CASTILLO
10:00 – 10:30	Fitting and Updating Predictive Accident Models Including Trend* Prof. M. MAHER
10:30-11:00	Optimal and Robust Strategies for Traffic Management under Demand and Supply Uncertainties: An Overview and General Theory Dr. R. ZHONG (Awardee of HKSTS Outstanding Dissertation Paper Award)

11:00 – 11:20	Coffee Break
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Session C1: Emissions & Alternative Fuels I (Picasso Room) <i>Session Chair: Prof. Michael BELL</i>	
11:20 – 12:40	Understanding Public Acceptance on Natural Gas Vehicles: A Case Study of Klang Valley, Malaysia* H.L. KHOO
	Evaluating Fuel Surcharge Schemes in Transportation: The Case of the Airline Industry* R. KLOPHAU
	A Dial-A-Ride Problem for Public Transport Using Electric Vehicles W.H. TOU, J.M.Y. LEUNG
	Modelling The Impact of Fuel Price Fluctuation on Individual Car Travel Behaviour: Evidence from GPS Panel Data* D. YANG and H.J.P. TIMMERMANS
	Simulating The Choice of E-Bike on the Execution of Activity-Travel Programs Using a Multi-State Super Network Approach* F. LIAO, T. ARENTZE, and H. TIMMERMANS

Session C2: Network Modeling II (Picasso Room A) <i>Session Chair: Prof. Anthony CHEN</i>	
11:20 – 12:40	Vulnerability Analysis of Continuum Transportation System H.W. HO and A. SUMALEE
	A Weibit Stochastic User Equilibrium Model with Elastic Demand S. KITTHAMKESORN, A. CHEN, and X. XU
	Morning Commute Problem in a Two-to-one Network with Parking Constraint* W. LIU and H. YANG
	Trial-and-Error Implementation of Tradable Credit Schemes - The General Network Case* X. WANG and H. YANG

* Paper to be published in Conference Proceedings

Session C3: Traffic Flow Models (Picasso Room B) <i>Session Chair: Dr. Andy CHOW</i>	
11:20 – 12:40	Capacity Analysis of Four-Lane Divided Highway in Mixed Traffic Condition Using VISSIM* A. MEHAR, S. CHANDRA, S. VELMURUGAN
	Volume-Delay Formula for Evaluating Travel Time Savings of the Underground Road Project in Seoul* J. CHOI, S. KIM, S. KIM, D. LEE, S. JEONG, H. HONG, M. JIN
	A Driving Simulator Study of the Impact of Hands-Free Phone Conversations on Driving Performance W. YAN, D. LU, Y.C. LI, N.N. SZE, S.C. WONG
	An Automatic Expressway Incident Detection System Under Light Traffic Condition: A Case Study of Thai Expressway J. WANG, A. SUMALEE and H.W. HO
	Adaptive Incident Detection Algorithm for Suburban Expressway* S. BOONSIRIPANT, A. SUMALEE, K. JEDWANNA, and W. RUNGRITTIDECH
Session C4: Pricing Models (Monet Room A) <i>Session Chair: Dr. Joakim EKSTRÖM</i>	
11:20 – 12:40	Road Pricing for Spreading Peak Travel: Modelling and Design* T. WONGPIROMSARN, N. XIAO, K. YOU, K. SIM, L. XIE, E. FRAZZOLI and D. RUS
	Optimizing Toll Locations and Levels in a Road Congestion Pricing Schemes by Minimizing the Deviation from First-Best Route Tolls* J. EKSTRÖM
	First-Best Marginal Cost Toll for Reliability-Based Traffic Assignments B. WANG, W.Y. SZETO and S.C. WONG
	Day-to-Day Price and Flow Dynamics of Tradable Mobility Credits with Elastic Demand* H. YE and H. YANG
Session C5: Road Safety I (Monet Room B) <i>Session Chair: Dr. Tony N.N. SZE</i>	
11:20 – 12:40	Americans' Crash Histories: Who is at Most Risk for Crashes and Why?* T. Donna CHEN and K.M. KOCKELMAN
	Prices for Road Accident Externalities When Insurance Companies Have Market Power M. DEMENTYEVA and E. VERHOEF
	Contribution of the Personal Rapid Transit (PRT) Systems to the Road Safety: A Scenario-Based Comparative Evaluation* Y. DUVARCI and F. AKPINAR
	Disaggregated Crash Prediction Models for Different Crash Types X. PEI, N.N. SZE, S.C. WONG and D. YAO
	Temporal and Spatial Impacts of Rainfall Intensity on Traffic Accidents in Hong Kong* D. LI, X. LI and W.H.K. LAM
12:40 – 13:40	Conference Lunch (Academy Room, 1/F)

Session D1: Emissions & Alternative Fuels II (Picasso Room) <i>Session Chair: Prof. Yafeng YIN</i>	
13:40 – 15:00	Emissions Trading and Aviation: A Critical Assessment of the European Union Emissions Trading Scheme (EU ETS)* A. KNORR and A.W. HEINEMANN
	Agglomeration Externalities and the German Commuter's Allowance from a City State Perspective* A.W. HEINEMANN and R. HICKEL
	Integrated Vehicle and Traffic Simulation for Emissions and Energy Efficiency Estimation* A. TAPANI, F. PEREYRON and M. VIERA TURNELL
	Strategic Deployment of Infrastructure for Electric Vehicles* G. MA, H.Y. MAK
	Microsimulation of Total Cost of Ownership in Quarries* E. UHLIN
Session D2: Network Modeling III (Picasso Room A) <i>Session Chair: Prof. David BOYCE</i>	
13:40 – 15:00	Bilevel Transit Network Design: Hybrid Artificial Bee Colony Algorithm Approach W.Y. SZETO, Y. JIANG and S.C. WONG
	Bicycle Network Design Using Genetic Algorithm C.S. SHUI, W.Y. SZETO, S.C. WONG and D.Z.W. Wang
	Assigning User Class Link Flows Uniquely* D. BOYCE and J. XIE
	Fuzzy Dual Entropy and Trip Distribution in Transportation Systems* C.A. NUNES COSENZA and F. MORA-CAMINO
Session D3: Travel Behavior II (Picasso Room B) <i>Session Chair: Prof. S. NAKAYAMA</i>	
13:40 – 15:00	A Multivariate Adaptive Regression Spline Emulator of Travel Time Predicted by a Complex Activity-Based Model of Travel Demand* S. RASOULI, H.J.P. TIMMERMANS
	Shopping Behaviour in Downtown Shopping Areas: A Detailed Pedestrian Model* A. BORGERS and H. TIMMERMANS
	Preferences of Vacant Taxi Drivers towards Taxi Stands in Customer Search R.C.P. WONG, W.Y. SZETO and S.C. WONG
	Social Context and Daily Activity-Travel Companionship: A Case Study of Hong Kong* T. LIN and D. WANG
	Estimation of Activity-Based Model Parameters from Travel Diary Survey: A Case Study of Medium City in Thailand* T. SIRIPIROTE, A. SUMALEE, W.H.K. LAM, H. SHAO

Session D4: Transit Modeling I (Monet Room A) <i>Session Chair: Prof. S. C. WIRASINGHE</i>	
13:40 – 15:00	Travel Plan Design and Pruning on Railway Transit Network: A Case Study of China D. LIN and J. LIU
	Analysis of the Tradable Permit Mechanism for Car-Sharing According to Spatial and Temporal Aspects* Y. HARA and E. HATO
	Optimal Frequency, Route and Fare Structures for Transit Networks with Elastic Demand S. SUN, W.Y. SZETO and S.C. WONG
	Influence of Correlated Repeated Observations on Individuals' Sensitivity to Transit Related Walking* M.S. HOSSAIN, J.D. HUNT, S.C. WIRASINGHE
	The Downs-Thomson Paradox under Transit Dispatching and Pricing Schemes* F. ZHANG, H. YANG

Session D5: Traffic Control (Picasso Room A) <i>Session Chair: Prof. Yu-Chiun CHIOU</i>	
13:40 – 15:00	An Optimal Signal Control Model Considering Emission Concentration in Mixed Traffic Contexts* Y.C. CHIOU, L.W. LAN, C.W. HSIEH and Y.J. WU
	Optimal Traffic Control in A Day-to-Day Dynamical System* L. XIAO and H. K. LO
	A Queue Management Model for Oversaturated Networks* T.Y. HU, T.Y. LIAO, Y.H. WU and S.R. CHANG
	An Optimal Shelter Selection Model for Emergency Evacuation Planning* T.Y. HU, H.C. OU and W.M. HO

15:00 – 15:20	Coffee Break
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Session E1: Information & Communications Technology (Picasso Room) <i>Session Chair: Prof. Ta-Yin HU</i>	
15:20 – 16:40	Wireless Communication in Vehicular Networks for Intelligent Transportation Systems: Challenges and Perspectives* D.B. RAWAT, B.B. BISTA and G. YAN
	Bus Arrival Time Information System Using Crowd-Source Smart Phone Data: System and Algorithm P. WEPULANON, A. SUMALEE, W.H.K. LAM and A. KAROONSOONTAWONG
	Estimating Dynamic Workplace Capacities Using Public Transport Smart Card Data and a Household Travel Survey* S. ORDONEZ and A. ERATH
	V2I Communication in Vehicular Ad-Hoc Network Based on IEEE 802.11N X. CHEN, D. YAO and X. PEI
	Travel Time Estimation and Prediction for Long Freeway Corridor K.I. WONG, J.Y. WANG and Y.Y. CHEN

Session E2: Transport Modeling & Surveys (Monet Room B) <i>Session Chair: Prof. Michael A.P. TAYLOR</i>	
15:20 – 16:40	Using Ensembles of Decision Trees to Predict Transport Mode Choice Decisions: Effects on Predictive Success and Uncertainty Estimates* S. RASOULI and H.J.P. TIMMERMANS
	Discrete Choice Modelling for Travel Mode and Residential Location Choices in an Adelaide Rail Corridor* L. MENG, M.A.P. TAYLOR and N. HOLYOAK
	Empirical Studies on Expressway Users' Stated and Revealed Preferences for Travel Time Reliability Information* T. ISHIDA, Y. NONAKA, T. ADACHI and Y. ASAKURA
	Tsallis-Generalization of Logit Model* S. NAKAYAMA
	Long-Run vs. Short-Run Perspectives on Consumer Scheduling: Evidence from a Revealed-Preference Experiment among Peak-Hour Road Commuters S. PEER, E.T. VERHOEF, J. KNOCKAERT, P. KOSTER, Y.Y. TSENG

Session E3: Transport & Land Use (Picasso Room B) <i>Session Chair: Dr. Judith WANG</i>	
15:20 – 16:40	Computation of Traffic Peak Hour Factor per Land-Use Type* M.H. PHAHLANE, R.W. SALIM and J.M. NDAMBUKI
	Competition Between Cities – Investigating the Impacts of A Stochastic User Equilibrium Framework* A. KOH, S. SHEPHERD and D. WATLING
	Vehicle Use And the Built Environment: A Case Study of Shanghai, China* J.M.C. NI and B.P.Y. LOO
	Symmetric and Asymmetric Interactions between Competing Cities – The Long Term Response* S.P. SHEPHERD and N.C. BALIJEPALLI

Session E4: Transit Modeling II (Monet Room A) <i>Session Chair: Prof. Christiane BIELEFELDT</i>	
15:20 – 16:40	Co-Modality and Seamless Door-to-Door Travel: Solutions, Gaps and Bottlenecks?* C. BIELEFELDT
	Transit Network Design under Demand Uncertainty* K. AN and H.K. LO
	Evaluation of Service Punctuality of London Buses Using The Bus Travel Log Data H. LUO, H. SHIMAMOTO, F. KURAUCHI and J.D. SCHMÖCKER
	A Multilevel Analysis on Link Performance Functions for Paratransit Networks in Bandung City, Indonesia* W. WENINGTYAS, J. ZHANG and A. FUJIWARA
	Ridesharing: Equilibrium Model and Case Studies* F. VITI, F. CORMAN and C.M.J. TAMPÈRE

Session E5: Network Modeling IV (Monet Room B) <i>Session Chair: Prof. Qiang MENG</i>	
15:20 – 16:40	A System-Optimum Relaxation Based Approach to Discrete Network Design Problems* S. WANG, Q. MENG and H. YANG
	Estimation of Travel Time Distributions in Congested Urban Road Networks* C. SHI, B.Y. CHEN, Q. LI and Z. FANG
	Modeling the Cell Transmission Model as a Complementarity System R. X. ZHONG, T.L. PAN, A. SUMALEE and Z. HE
	Air Cargo Carrier Alliances – Reconsidered from Supply Aspect* F.M. HEINITZ and P.A. MEINCKE
	Sensitivity Analysis of Paratransit Network Optimization for Transportation Planning in Developing Cities* W. WENINGTYAS, H. SHIMAMOTO, J. ZHANG and A. FUJIWARA

Closing Address (Picasso Room)	
16:45 – 17:15	Closing Address by Dr. Ho-Yin MAK <i>Co-Chairman of the Organizing Committee</i> <i>The 17th International Conference of Hong Kong Society for Transportation Studies</i>

18:00 –	(Venue: Monet Room A and B, InterContinental Grand Stanford)
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* Paper to be published in Conference Proceedings

Poster Session**15 December 2012 (Saturday)****14:00 – 16:00**

	Session P: Poster Session (Picasso Room)
14:00 – 16:00 15 December 2012 (Saturday)	Potential Alternative Rail Freight Transport Services between Europe and China D.M.Z. ISLAM, N.N. NESTEROVA, T.H. ZUNDER, R. JACKSON and A. BURGESS
	A Sweep-Heuristic Algorithm for Carbon Emissions Model of Picking up and Delivering Customers to Airport* P. YANG, Y. YU, J. TANG and B. LIU
	Overview of Freight Models in Urban Areas H.C. CHU, L.Y. CHANG and D.J. LIN
	HSR and Air Interaction in Japan: Rivals or Partners? H. TIRTOM, H. YAMAGUCHI and M. OKUMURA
	A Semi-Dynamic Traffic Assignment Model Case Study: Kanazawa City* P.T.T. HA, S.I. NAKAYAMA and J.I. TAKAYAMA
	Resilience Determination of Metropolitan Road Network Based on Vulnerability and Interdependency Analyses* C.H. HSIEH and C.M. FENG
	Enhancing Information Sharing and Collaboration in the Supply Chain of Semiconductor Assembly and Testing Industry C.C. LU, J.B. SHEU, K.M. TSAI and J.H. CHEN
	A Methodology for Major Tollway Capital investment Decision-Making in the United States Z. LI, A. MOORE, S. STALEY, A. ROSHANDEH, B. ZHOU and S. LEE
	Probabilistic Modelling of Speed-Density Relationship in Freeways X. QU, L. REN and S. JIN
	A Generalized Camera Calibration Model that is Capable of Using Trapezoidal Pattern on The Road for Determining Camera Parameters C.C.C. PANG, S. XIE, S.C. WONG and K. CHOI
	The Determinant Factors of Transferring Transportation Modes for Elderly Drivers M.S. YEH, H.H. LIU, Y.C. LIAO and C.M. TSENG
	Constructing the Predicting Model of Total Delay Time for the Freeway Accidents in Taiwan Area M.S. YEH, H.H. LIU, C.M. TSENG, Q.H. WU and Y.Y. CHEN
	A Dynamic Origin-Destination Matrices Estimation for Urban Road Network Based on Dynamic Turn Ratio Matrix Model* G. LI and Y. ZHAO
	Clustering Analysis for Airport Parking* C.C. CHEN and P. SCHONFELD
	Evaluation of School Zone Implementation in Indonesia E. WIDJAJANTI
	Micro Environments Exposure and the Health Impact on Schoolchildren in Hong Kong* S.H. LEE and W.T. HUNG
	An Analysis of GPS-Based Data on Taxi Services Provision and Demand in Seoul Metropolitan Area W.D. LEE and C.H. JOH

* Paper to be published in Conference Proceedings

	Session P: Poster Session (Picasso Room)
14:00 – 16:00 15 December 2012 (Saturday)	Effects of Forced Adoption and Coexistent Paradox on the Adoption of Self Check-in Service W. JEN, M. LU, T. LU and K.C. HU
	Video Based Mixed Traffic Detection and Tracking Algorithms* S. LIU, T. ZHU, Y. ZHANG and D. YAO
	Trends in Energy Consumption and Carbon Dioxide Emissions of Private Cars and Buses in Hong Kong* I.M.H. YEUNG and W.S.W. CHUNG
	Traffic Assignment by Paired Alternative Segments: An Ohio Case Study* Y. HU , D. BOYCE, Y. NIE and H. BAR-GERA
	Traffic Signal Control Algorithm on Isolated Intersection Based on Sectional Travel Time Y.J. JEONG and Y. KIM
	Designing Information System of Mass Transit Station: A TOD-Based Framework P.H. HSU, Y. WANG, H. SU and X. WANG
	Passenger's Perceived Satisfaction and Quality of Bus Services H.Y. TONG and D.W.C. LEUNG
	Implications of HGVs on Car-Following Behavior L. SONG
	Improving Highway Safety by Controlling Stick-Slip Behavior between Tire and Pavement C.M. KUO and T.Y. WANG
	A Study on Factors Affecting Change Capacity in Signalized Intersection on Snowfall S. LEE, Y. SON, J. IM and S. JUN
	Relief Supplies Flow in the Great East Japan Earthquake Y. MIYASHITA and J. FUKUMOTO
	Risk Analysis at Highway-Railway Grade Crossings Using Count-Data Statistical Modeling: A Case Study of the Taiwan Railways Administration System* S.R. HU, J.L. JI
	Shanghai Metro Station Wayfinding – Design Recommendations C. MACDONALD, G. STUART and S. LEE
	Built Environments and Physical Activities in Adolescents Aged 13-15* J.J. LIN AND T.C. TING

* Paper to be published in Conference Proceedings