

Overview Schedule

Day 1: 9 December 2021 (Thursday)

Time	Event				
08:30 - 09:20	Registration (Pre-Function Area)				
09:20 - 10:20	Opening Session (Picasso Room)				
	Miss Rosanna LAW, JP, Officiating Guest of Honor Commissioner for Transport, Transport Department of Hong Kong SAR Government				
	Dr. Ryan C.P. WONG Co-chair, The 25 th International Conference of Hong Kong Society for Transportation Studies				
	Prof. Max Z.J. SHEN Vice-President and Pro-Vice-Chancellor (Research), The University of Hong Kong				
	Prof. Christopher John WEBSTER Dean (Faculty of Architecture), The University of Hong Kong				
	Prof. S.C. WONG President, Hong Kong Society for Transportation Studies				
10:20 - 10:30	Group Photo Taking (Picasso Room)				
10:30 - 11:00	Coffee Break (Academy Room, 1/F)				
11:00 - 12:20	Plenary Session I (Picasso Room)				
	Overview of transportation research experience of Prof. William Lam in the past 40 years Prof. William H.K. LAM, Keynote Speaker The Hong Kong Polytechnic University, Hong Kong				
	On the empty miles of ride-sourcing services: Theory, observation, and countermeasures Dr. Zhengtian XU, Recipient of the Outstanding Dissertation Award The George Washington University, U.S.A.				
12:20 - 13:50	Conference Lunch (Academy Room, 1/F)				
13:50 - 15:10	Session A1 (Picasso Room) <i>Network Optimisation I</i>	Session A2 (Monet Room A) <i>Travel Behaviour Modeling I</i>	Session A3 (Monet Room B) <i>Transportation Network I</i>	Session A4 (Picasso Room A) <i>Logistics and Supply Chain Management</i>	Session A5 (Picasso Room B) <i>Intelligent Transportation System</i>
15:10 - 15:40	Coffee Break (Academy Room, 1/F)				
15:40 - 17:00	Session B1 (Picasso Room) <i>Regional and International Transportation</i>	Session B2 (Monet Room A) <i>Network Optimisation II</i>	Session B3 (Monet Room B) <i>Accessibility and Mobility</i>	(Picasso Room A) <i>Travel Behaviour and Society (TBS) - Editorial Board Meeting</i>	Session B4 (Picasso Room B) <i>Smart Mobility I</i>
18:00 - 20:00	Conference Banquet (Academy Room, 1/F)				

Overview Schedule

Day 2: 10 December 2021 (Friday)

Time	Event				
08:30 - 09:00	Registration (Pre-Function Area)				
09:00 - 10:20	Session C1 (Picasso Room) <i>Traffic Management I</i>	Session C2 (Monet Room A) <i>Transportation and Geography</i>	Session C3 (Monet Room B) <i>Transportation Network II</i>	Session C4 (Picasso Room A) <i>Sustainable Transportation</i>	Session C5 (Picasso Room B) <i>Big Data and Transportation I</i>
10:20 - 10:50	Coffee Break (Academy Room, 1/F)				
10:50 - 12:10	Session D1 (Picasso Room) <i>Traffic Management II</i>	Session D2 (Monet Room A) <i>Transportation Safety</i>	Session D3 (Monet Room B) <i>Travel Behaviour Modeling II</i>	(Picasso Room A) <i>Transportmetrica A (TTRA) - Editorial Board Meeting</i>	Session D4 (Picasso Room B) <i>Big Data and Transportation II</i>
12:10 - 13:40	Conference Lunch (Academy Room, 1/F)				
13:40 - 15:00	Session E1 (Picasso Room) <i>Smart Mobility II</i>	Session E2 (Monet Room A) <i>Shared Mobility</i>	Session E3 (Monet Room B) <i>Transportation and Infrastructure</i>	(Picasso Room A) <i>Transportmetrica B (TTRB) - Editorial Board Meeting</i>	Session E4 (Picasso Room B) <i>Outstanding Student Paper Award</i>
15:00 - 15:30	Coffee Break (Academy Room, 1/F)				
15:30 - 16:50	Plenary Session II (Picasso Room)				
	Travel behaviour during COVID19 and what might happen next Prof. Kay W. AXHAUSEN, Keynote Speaker ETH Zurich, Switzerland				
	A ridesharing simulation platform that considers dynamic supply-demand interactions Prof. Shlomo BEKHOR, Keynote Speaker Technion - Israel Institute of Technology, Israel				
16:50 - 17:00	Closing Session (Picasso Room)				
	Dr. Jiangping ZHOU Co-chair, The 25 th International Conference of Hong Kong Society for Transportation Studies				
	Dr. Sisi JIAN Co-chair, The 26 th International Conference of Hong Kong Society for Transportation Studies				

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Day 1: 9 December 2021 (Thursday)

Session A1: Network Optimisation I (Picasso Room) <i>Session Chair: Prof. W.Y. SZETO</i>	
13:50 - 15:10	Planning fair route network structure for drone delivery in urban environment based on multiple ant colony algorithm Zhefan <u>HOU</u> and Lishuai LI
	Integration of heterogeneous traffic data for urban journey time estimation Xinyue <u>WU</u> , Andy H.F. CHOW, Li ZHUANG, William H.K. LAM, Wei MA and S.C. WONG
	Lane-based travel time estimation for multiple vehicle types: A vehicle reidentification approach Cheng ZHANG, <u>H.W. HO</u> , William H.K. LAM, Wei MA, S.C. WONG and Andy H.F. CHOW
	A static inventory rebalancing problem considering user incentives and inequity W.Y. SZETO and <u>Chenshu SONG</u>
	Learnable graph convolutional network for traffic forecasting applications Jiale WANG, Bi Yu CHEN, William H. K. LAM, Chaoyang SHI and <u>Wen-Xin TENG</u> (on-line)
	Multi-depot bus scheduling under range uncertainty Lu LI, Hong K. LO, Ting J. QIN, Yi L. SONG and <u>Xue K. CEN</u> (on-line)

Session A2: Travel Behaviour Modeling I (Monet Room A) <i>Session Chair: Dr. Xiaowen FU</i>	
13:50 - 15:10	A stochastic multi-class behaviour model of a personal mobility under heterogeneous low-carbon traffic flow Seunghyeon LEE, <u>Ingon RYU</u> , Dong NGODUY and Keechoo CHOI (on-line)
	How travel behavior changes in the post COVID-19 pandemic - A stated preference survey in China Xuekai CEN, Donghong HUANG, Dewei LI, Chuanyao LI and <u>Lu LI</u> (on-line)
	Non-frequent and low-demand destination choice with choice set enumeration using behavior-similarity network Junji URATA, Yu FUJIWARA and Makoto CHIKARAISHI (on-line)
	Uncertain events, mode change, and bundle configuration for mobility as a service: A stated preference study Jianing <u>LIU</u> , Chenyang WU, Sisi JIAN and Vinayak DIXIT
	Air travellers' preference changes during a pandemic - An international comparison using a stated preference approach <u>Tiantian CHEN</u> , Xiaowen FU, David HENSHER, Zhichun LI and Tony N.N. SZE

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Session A3: Transportation Network I (Monet Room B) <i>Session Chair: Prof. Anthony CHEN</i>	
13:50 - 15:10	Departure time choice problems in a corridor network with heterogeneous value of schedule delay <u>Takara SAKAI</u> , Takashi AKAMATSU and Koki SATSUKAWA (on-line)
	A safety-based n-path user equilibrium model <u>Umer MANSOOR</u> , Guoyuan LI and Anthony CHEN
	Group-based adaptive traffic control systems: A strategic time-dependent optimisation scheme <u>Seunghyeon LEE</u> , S.C. WONG, Pravin VARAIYA and Fang CHEN (on-line)
	Bounding the inefficiency of a hybrid logit-weibit stochastic user equilibrium model <u>Bo SUN</u> and Anthony CHEN
	Hyperbush algorithm for strategy-based equilibrium traffic assignment problems <u>Zhandong XU</u> , Jun XIE, Xiaobo LIU and Yu NIE

Session A4: Logistics and Supply Chain Management (Picasso Room A) <i>Session Chair: Dr. Sylvia HE</i>	
13:50 - 15:10	Structured teaching of logistics modeling: stimulating the mental capability of quantitative skills <u>Ran YAN</u> , Shuaian WANG and Ying YANG
	A game theoretical analysis of metro-integrated city logistics systems <u>Mingyou MA</u> , Wei LIU, Fangni ZHANG and Dixit VINAYAK (on-line)
	Factors influencing the adoption of blockchain technology in supply chain management: a preliminary study <u>Cheng-Hsien HSIEH</u> and Joy Wan Jing POH (on-line)
	Review of the level of service at signalized intersection <u>Athira J.</u> , Arshida K.T., Yogeshwar V Navandar and Krishnamurthy K. (on-line)
	How can a hospital motivate coordination between emergency department and inpatient ward <u>Jie WANG</u> , Yong Hong KUO and Mengchuan ZOU

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Session A5: Intelligent Transportation System (Picasso Room B) <i>Session Chair: Prof. Hai YANG</i>	
13:50 - 15:10	CACC simulation platform designed for urban scenes <u>Shichao SUN</u> , Jintao LAI and Jia HU (on-line)
	Coordinating ride-sourcing and public transport services with a reinforcement learning approach <u>Siyuan FENG</u> , Peibo DUAN, Jintao KE and Hai YANG (on-line)
	Short-term origin-destination demand prediction in urban rail transit systems: A channel-wise attentive split-convolutional neural network method <u>Jinlei ZHANG</u> and Wei MA (on-line)
	A software-based indoor positioning system based on smartphone image and BIM <u>Max Jwo Lem LEE</u>
	Artificial intelligence for traffic signal control based on video analytics <u>Benson K.H. HUNG</u>

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Day 1: 9 December 2021 (Thursday)

Session B1: Regional and International Transportation (Picasso Room) <i>Session Chair: Prof. Shuaian (Hans) WANG</i>	
15:40 - 17:00	A systematic analysis of effects of airport expansion considering airline and passenger responses <u>Zhenwei GONG</u> and Fangni ZHANG
	International comparison of air transport network developments at third-ranked cities' airports in northeast Asia <u>Hidenobu MATSUMOTO</u> and Koji DOMAE (on-line)
	A route diversity measure for performance evaluation of urban rail transit network considering transfer constraints and length threshold <u>Yingying XU</u> , Ho-Yin CHAN, Anthony CHEN and Chengxiang ZHUGE
	On the China-Europe containerized freight flows: A multimodal multicommodity equilibrium analysis with vehicle capacity and bottleneck congestion <u>Xinyan LI</u> , Chi XIE and Zhaoyao BAO (on-line)
	Impacts of high-speed rail on new firm formation <u>Roger VICKERMAN</u> and Chia-Lin CHEN (on-line)

Session B2: Network Optimisation II (Monet Room A) <i>Session Chair: Dr. Jintao KE</i>	
15:40 - 17:00	Optimizing the day-to-day dynamic pricing with deep reinforcement learning Feng XIAO, <u>Jiaming LU</u> and Lu LI (on-line)
	Path-based optimization model for deploying AV dedicated link <u>Ryuichi TANI</u> , Sho NITTA and Kenetsu UCHIDA (on-line)
	Optimization of multi-type sensor locations for estimation of network-wide travel times with spatial and temporal covariance effects <u>Hao FU</u> , William H.K. LAM and Hu SHAO
	Routing of autonomous vehicles for system optimality <u>Faizan Ahmad KASHMIRI</u> and Hong K. LO (on-line)
	Assessing profit maximization and fleet management in a multimodal network design problem <u>Claudia BANDIERA</u> , Richard D. CONNORS and Francesco VITI (on-line)
	Estimation of macroscopic activity-travel demand: A utility maximization approach <u>Ariane SCHEFFER</u> , Richard CONNORS and Francesco VITI (on-line)

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Session B3: Accessibility and Mobility (Monte Room B) <i>Session Chair: Prof. Y.H. WANG</i>	
15:40 - 17:00	Development and evaluations of multi vehicle trajectory coordination in urban parking-allowed streets Wei SUN, Chengyuan MA , Jichen ZHU and Xiaoguang YANG (on-line)
	Analysis of pedestrian mid block crossing demand intensity based on point of interest data Yi LI , Qing YU, Weifeng LI and Yujiao CHANG (on-line)
	How does the travelers' from Bangladesh spend their journey time in their current mode of transport? Fuad HUDA and Zia WADUD (on-line)
	Does commuting matter to subjective well-being? a study of new town commuters in Hong Kong Sylvia Y. HE, Xueying CHEN and Sui TAO (on-line)
	Spatial parking equilibrium in a city corridor with mixed conventional and autonomous vehicles Qida SU and David Z.W. WANG

Session B4: Smart Mobility I (Picasso Room B) <i>Session Chair: Dr. Sen LI</i>	
15:40 - 17:00	Impact of users' supply characteristics on MAAS subscription: a case study Carolina CISTERNA , Francesco VITI and Federico BIGI (on-line)
	Integrated strategies for repositioning, upgrading and pricing in ride-sourcing services Xiaoran QIN , Yinghui WU, Wei LIU, Jintao KE and Hai YANG
	Modeling ride-sourcing order matching and passenger pickup processes based on additive gaussian process models Zheng ZHU, Meng XU, Yining DI , Jingru YU and Xiqun CHEN
	Revisiting the question of supply side differentiated trip generation rates Florian HEINITZ (on-line)
	Political incentives to promote electric vehicles: Results from a stated adaptation experiment Margarita GUTJAR and Matthias KOWALD (on-line)
	Duopoly ride-sourcing market with order cancellation Manzi LI , Gege JIANG and Hong K. LO

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Day 2: 10 December 2021 (Friday)

Session C1: Traffic Management I (Picasso Room) <i>Session Chair: Prof. Hong K. LO</i>	
09:00 - 10:20	Mileage-based user fees to fund transportation infrastructure: looking beyond revenue neutrality <u>Rachel SIN</u> , Sean DONNELLY, Prithvi ACHARYA and H Scott MATTHEWS (on-line)
	Sensitivity analysis of bus fare structure and demand to observe modal shift, operator profit, and land-use choice through combined unified transport model <u>Nazam ALI</u> , Shoichiro NAKAYAMA and Hiromichi YAMAGUCHI (on-line)
	A reinforcement learning approach for adaptive traffic signal control <u>Fuyu HU</u> , Xuanyu ZHANG and Wei HUANG (on-line)
	Bus lane sharing under partially connected and automated traffic environment <u>Zhen ZHANG</u> , Jintao LAI, Xiaoguang YANG, Chengyuan MA and Jichen ZHU (on-line)
	A utility-based approach for measuring walking accessibility <u>Zheng LIANG</u> , Hong K. LO, Ka Fai NG and Yue HUAL
	Incorporating vehicle-based data into the management of queues at signalized intersections <u>Liang ZHANG</u> and Wei-Hua LIN

Session C2: Transportation and Geography (Monet Room A) <i>Session Chair: Dr. Wei LIU</i>	
09:00 - 10:20	Predicting traffic for one city by learning from another city: A graph network-based transfer learning approach <u>Mingxi LI</u> , William H.K. LAM, Andy H.F. CHOW, S.C. WONG and Wei MA
	Assess network bridge life cycle performances with limited time window actual data Lianfang WANG, Yuanlu LIANG, <u>Tingyi XU</u> , Yanbiao JIN, Yao CHEN and Cong ZHANG (on-line)
	A household-group land-use and transportation optimization model <u>Dang Khoa VO</u> and William H.K. LAM (on-line)
	Equilibrium effects of public-school dispersion and expanded choice – An extended Ellickson’s random bid-rent approach <u>Yue HUAL</u> , Hong K. LO and Ka Fai NG (on-line)
	Analysis of vehicle fleet composition and zoning for zonal-based flexible bus system <u>Enoch LEE</u> , Hong K. LO and Xuekai CEN

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Day 2: 10 December 2021 (Friday)

Session C3: Transportation Network II (Monet Room B) <i>Session Chair: Dr. Andy H.F. CHOW</i>	
09:00 - 10:20	Status detection of public transport disruption in complex scenarios <u>Rui XU</u> , Huohua LI and Xiaoning MA (on-line)
	Spatio-temporal resource allocation in bus-integrated freight transport systems <u>Jie LIN</u> and Fangni ZHANG
	Bikeway network design with demand coverage constraint <u>Chin Sum SHUI</u> (on-line)
	Investigation of macroscopic urban dynamics: A comparison among accumulation-based model, time delay and trip-based model <u>Yunping HUANG</u> , Jianhui XIONG, Shu-Chien HSU, Agachai SUMALEE, William H.K. LAM, Can CHEN and Renxin ZHONG
	User perspective evaluation framework for a subscription-based multimodal urban transportation service using the recursive logit choice model <u>Keiko TABUCHI</u> and Daisuke FUKUDA (on-line)
	A study on travel time reliability based on traveler perception <u>Jiaxian LI</u> , Xiaoguang YANG and Yanyan CHEN (on-line)

Session C4: Sustainable Transportation (Picasso Room A) <i>Session Chair: Dr. Sisi JIAN</i>	
09:00 - 10:20	Strategic investment of electric vehicle charging infrastructure: competition, regulation and perception with differentiated capacity <u>Yanyan DING</u> and Sisi JIAN
	The purchase intention of electric vehicles in a high-density Asian context and main differences from a Nordic context Sylvia Y. HE, <u>Ka Kit SUN</u> and John THØGERSEN
	Empirical assessment and modelling of traffic-induced air pollution <u>Zhongyang LU</u> and Andy H.F. CHOW
	A static green bike repositioning problem with heavy and light bike carriers <u>Mingxuan CHEN</u> and W.Y. SZETO
	A multi-vehicle e-bike repositioning problem with charging stations <u>Pak Long MAK</u> and W.Y. SZETO

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Day 2: 10 December 2021 (Friday)

Session C5: Big Data and Transportation I (Picasso Room B) <i>Session Chair: Dr. Jiangping ZHOU</i>	
09:00 - 10:20	A cost effective data collection approach to investigating driving patterns for franchised bus services in Hong Kong <u>Hing Yan TONG</u> and Ka Wai NG
	Latency prediction of traffic data improved by input-output dependent pre-clustering <u>Yue LI</u> , Jiale CHEN, Tony C.T. WONG, Tsz Hong KWOK, T.S. CHOI and K.Y Michael WONG
	"9-9-6": Visualization of overtime workers' commuting patterns by using smart-card data -- taking Wuhan as an example <u>Jiangyue WU</u> and Jiangping ZHOU
	Using automatic vehicle identification data for path travel time estimation with sensor failure on urban roads <u>Ang LJ</u> , William H.K. LAM and Wei MA
	Self-supervised depth estimation leveraging global perception and geometric smoothness using on-board videos <u>Shaocheng JIA</u> , Xin PEI, Wei YAO and S.C. WONG

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Day 2: 10 December 2021 (Friday)

Session D1: Traffic Management II (Picasso Room) <i>Session Chair: Dr. Yong Hong KUO</i>	
10:50 - 12:10	A schedule-based timetable model for congested transit networks <u>Jiemin XIE</u> , Shuguang ZHAN, S.C. WONG and S.M. LO (on-line)
	Multi-objective transit network design and scheduling <u>Thi Minh Hoa NGUYEN</u> and Andy H.F. CHOW
	Optimal bus service design with limited-stop services and in-vehicle congestion <u>Jintao HU</u> and W.Y. SZETO
	A multi-period asymmetric transit frequency design considering demand variations W.Y. SZETO and <u>Jun GONG</u>
	Cooperative design of station location of feeder bus and shared bicycle <u>Miaoqing HU</u> and W.Y. SZETO
	Modeling reliability-based path-finding problems with multiple objectives for different types of travelers <u>Mei Lam TAM</u> , Xiao-Wei CHEN, Bi Yu CHEN, William H.K. LAM, Wei MA, S.C. WONG and Andy H.F. CHOW

Session D2: Transportation Safety (Monet Room A) <i>Session Chair: Prof. Becky P.Y. LOO</i>	
10:50 - 12:10	Traffic accident severity analysis focused on negative atmospheric pressure change <u>Tomoki OKAMURO</u> , Satoshi NAKAO, Jan-Dirk SCHMÖCKER and Tadashi YAMADA (on-line)
	Study of the near collision location of dump trucks in open-pit mines based on anylogic <u>Qiuju XUE</u> and Xin LI (on-line)
	Exploring the factors affecting bridge safety risk through data mining techniques <u>Tingyi XU</u> , Lianfang WANG, Yuanlu LIANG, Yanbiao JIN, Yao CHEN and Cong ZHANG (on-line)
	Conflict-based safety analysis at tunnel toll plaza <u>Penglin SONG</u> and Tony N.N. SZE
	A two-stage safety evaluation model for the red light running behaviour of pedestrians using the game theory <u>Dianchen ZHU</u> and Tony N.N. SZE

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Day 2: 10 December 2021 (Friday)

Session D3: Travel Behaviour Modeling II (Monet Room B) <i>Session Chair: Dr. Ryan C.P. WONG</i>	
10:50 - 12:10	Estimating residential location and travel choices in path flow estimator based on extended weibit models Yu GU, Anthony CHEN, Chengxiang ZHUGE and Jiangbo YU
	Efficient finite element method on triangular meshed for the solution to a higher-order continuum model of pedestrian flow Haoyang LIANG, J. DU and S.C. WONG
	Traffic parameters estimation with an iterative partial backpropagation maximum likelihood estimation (IPB-MLE) framework Kejun DU, Shuling WANG and Hong K. LO
	Efficient gradient-based large-scale od demand estimation using backpropagation Ashraf Uz Zaman PATWARY and Hong K. LO (on-line)
	A simulation approach to investigate the impact of crossing pedestrians on traffic characteristics at undesignated urban midblock crossings Prakash C.M., Yogeshwar Vijaykumar NAVANDAR, Haresh Kumar GOLAKIYA and Anjaneyulu M.V.L.R. (on-line)
	Introducing accessible taxi service and taxi fare subsidy scheme for the elderly Ryan C.P. WONG, Linchuan YANG, W.Y. SZETO, Y.C. LI and S.C. WONG

Session D4: Big Data and Transportation II (Picasso Room B) <i>Session Chair: Dr. Wei MA</i>	
10:50 - 12:10	Travel mode classification based on cellular data Yu-Chiun CHIOU, Ying-Chen LAI and Chih-Wei HSIEH (on-line)
	Markovian analysis of tourist tours based on travel app data from Kyoto, Japan Hironori KOBAYASHI, Cen ZHANG, Jan Dirk SCHMOECKER, Satoshi NAKAO and Tadashi YAMADA (on-line)
	Towards a very large scale traffic simulator for multi-agent reinforcement learning testbeds Zijian HU, Chengxiang ZHUGE and Wei MA
	Real-time traffic state estimation for signalized intersections using multi-source data Yang HU, Jing HU and Wei HUANG (on-line)
	Inference of traffic speed based on taxi GPS and multi-source data in urban traffic networks Chaozhe JIANG, Jiaxing LI, Ke HAN, Yubo JIAO and Junren LONG (on-line)

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Day 2: 10 December 2021 (Friday)

Session E1: Smart Mobility II (Picasso Room) <i>Session Chair: Dr. Weihua GU</i>	
13:40 - 15:00	Competition and platform-integration in ride-sourcing markets <u>Yaqian ZHOU</u> , Hai YANG, Jintao KE, Hai WANG and Xinwei LI
	The dynamic ride-hailing sharing problem with multiple vehicle types and user classes <u>Xingbin ZHAN</u> , W.Y. SZETO, and Xiqun (Michael) CHEN
	A mixed bicycle sharing station location design problem considering conventional shared bike and shared e-bike <u>Jiatong SONG</u>
	Data-driven analysis on matching probability, routing distance and detour distance in ride-pooling services Jintao KE, <u>Zhengfei ZHENG</u> , Hai YANG and Jieping YE
	A bi-criteria stochastic pathfinding problem with consideration of travel time variability and safety <u>Zhengyang LI</u> , Umer MANSOOR and Anthony CHEN

Session E2: Shared Mobility (Monet Room A) <i>Session Chair: Prof. Donggen WANG</i>	
13:40 - 15:00	Passenger's willingness to wait in ride-sourcing market <u>Yuhan LIU</u> , Yili TANG and Hai YANG
	Provision of exclusive motorized two wheeler lane in lane-undisciplined mixed traffic: A case study of Mumbai city <u>Jaikishan DAMANI</u> and Perumal VEDAGIRI (on-line)
	Economic analysis of ride-pooling services with endogenous pooling sizes <u>Zhuoye ZHANG</u> and Fangni ZHANG
	Dynamic bike-sharing system rebalancing using MOEA/D algorithm based on station priority <u>Runqiu HU</u> and W.Y. SZETO
	Services for battery swapping and rebalancing in dockless ebike-sharing systems <u>Meng XU</u> , Yining DI, Zheng ZHU, Hai YANG and Xiqun CHEN

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Session E3: Transportation and Infrastructure (Monet Room B) <i>Session Chair: Dr. Zhen LENG</i>	
13:40 - 15:00	Deformation characteristics of highway slope in complex space and treatment measures of disaster management <u>Heng YANG</u> , Tong ZHOU, Bin ZHU, Li MAN, and Jianming LING (on-line)
	A controllability test method of field test for hands-off cruising function Yiming ZHANG, <u>Ruicong ZHANG</u> and Jia HU (on-line)
	Modeling of microscopic interactions among land transactions and recursive trip chains Risa KOBAYASHI and Eiji HATO (on-line)
	Laboratory study on the shear strength of granite residual soil <u>Xiang LI</u> , Jianming LING, Sheng LIN and Lei WU (on-line)
	Calibration of stochastic link-based fundamental diagram with explicit consideration of speed heterogeneity <u>Lu BAI</u> , S.C. WONG, Pengpeng XU, Andy H.F. CHOW and William H.K. LAM
	Improving emergency evacuation process using modular multi-dimensional scenarios emulation tool including location-based social network data <u>Ilii Blum SHEM-TOV</u> and Shlomo BEKHOR (on-line)

Session E4: Outstanding Student Paper Award (Picasso Room B) <i>Session Chair: Dr. Tony N.N. SZE</i>	
13:40 - 15:00	Adaptive metro service coordination with flexible train composition: A multi-agent deep reinforcement learning approach <u>Chengshuo YING</u> (on-line)
	Adaptive transit signal control for bus service reliability via reinforcement learning <u>Zicheng SU</u>
	Enhancing transportation network redundancy via retrofitting critical components <u>Kai QU</u> (on-line)