

Overview Schedule

Day 1: 11 December 2023 [Monday]

Time	Event					
8:00-9:00	Registration (Foyer [B1 floor]; Monet A&B [B1]; Opera [B3])					
9:00-9:50	Opening Session (Picasso Room [B1]; Opera I and Opera II [B3] [Live broadcasting])					
	Prof. Mai-har SHAM Vice-President (Research), The Chinese University of Hong Kong					
	Prof. S.C. WONG President, Hong Kong Society for Transportation Studies (HKSTS)					
	Prof. Mei-Po KWAN Co-Chair, the 27 th HKSTS Conference					
	Mr. Sai Hung LAM Secretary for Transport and Logistics, The Government of Hong Kong SAR					
9:50-10:05	Ceremony of appreciation cum Group photo					
10:05-10:35	Coffee Break (Foyer [B1]; Monet A&B [B1]; Opera III [B3])					
10:35-11:05	Keynote Session					
	Measuring transport equity of major road infrastructure projects in the UK: an integrated approach to social impact assessments Prof. Karen LUCAS University of Manchester					
11:05-11:35	Keynote Session					
	The potential for a just transition to electric urban mobility: a study of four European cities Prof. Tim SCHWANEN University of Oxford					
11:35-12:05	Keynote Session					
	Transforming transportation network equilibrium analysis paradigm via end-to-end learning Prof. Yafeng YIN University of Michigan					
12:15-13:50	Conference Lunch (Academy Rooms [1/F]; Opera III [B3])					
13:50-15:10	Session A1 <i>(Picasso Room A)</i> Transport Equity-1	Session A2 <i>(Picasso Room B)</i> Smart Mobility-1	Session A3 <i>(Monet Room A)</i> Outstanding Student Paper Award (OSPA) cum ODA presentation	Session A4 <i>(Monet Room B)</i> Emerging and Future Mobility-1	Session A5 <i>(Opera Room I)</i> Regional and International Transportation	Session A6 <i>(Opera Room II)</i> Green Transportation-1
15:10-15:40	Coffee Break (Foyer [B1]; Picasso Room [B1]; Opera III [B3])					
15:10-15:40	Editorial board meeting: Transportmetrica A (Board Room [B1])					
15:40-17:00	Session B1 <i>(Picasso Room A)</i> Transport Equity-2	Session B2 <i>(Picasso Room B)</i> Smart Mobility-2	Session B3 <i>(Monet Room A)</i> Logistics and Supply Chain Management-1	Session B4 <i>(Monet Room B)</i> Emerging and Future Mobility-2	Session B5 <i>(Opera Room I)</i> Transit Management and Operations-1	Session B6 <i>(Opera Room II)</i> Green Transportation-2
15:40-16:40	Poster Session 1 (Picasso Room [B1])					
16:30-17:00	Editorial board meeting: Travel Behaviour and Society (Board Room [B1])					

Overview Schedule

Day 2: 12 December 2023 [Tuesday]

Time	Event					
8:00-9:00	Registration (Foyer [B1 floor]; Opera [B3])					
9:00-10:20	Session C1 (Picasso Room A) <i>Transport Equity-3</i>	Session C2 (Picasso Room B) <i>Transportation Networks</i>	Session C3 (Monet Room A) <i>Transport and Geography-1</i>	Session C4 (Monet Room B) <i>Emerging and Future Mobility-3</i>	Session C5 (Opera Room I) <i>Transit Management and Operations-2</i>	Session C6 (Opera Room II) <i>Green Transportation-3</i>
9:00-10:00	Poster Session 2 (Picasso Room [B1])					
10:20-10:40	Coffee Break (Foyer [B1]; Picasso Room [B1]; Opera III [B3])					
10:40-12:00	Session D1 (Picasso Room A) <i>Transport and Smart Cities-1</i>	Session D2 (Picasso Room B) <i>Transportation Modeling and Surveys-1</i>	Session D3 (Monet Room A) <i>Transport and Geography-2</i>	Session D4 (Monet Room B) <i>Emerging and Future Mobility-4</i>	Session D5 (Opera Room I) <i>Transit Management and Operations-3</i>	Session D6 (Opera Room II) <i>Green Transportation-4</i>
10:40-11:40	Poster Session 3 (Picasso Room [B1])					
12:00-13:30	Conference Lunch (Academy Rooms [1/F]; Opera III [B3])					
13:30-14:50	Session E1 (Picasso Room A) <i>Transport and Smart Cities-2</i>	Session E2 (Picasso Room B) <i>Transportation Modeling and Surveys-2</i>	Session E3 (Monet Room A) <i>Transport and Geography-3</i>	Session E4 (Monet Room B) <i>Emerging and Future Mobility-5</i>	Session E5 (Opera Room I) <i>Transit Management and Operations-4</i>	Session E6 (Opera Room II) <i>Green Transportation-5</i>
13:30-14:30	Poster Session 4 (Picasso Room [B1])					
14:50-15:10	Coffee Break (Foyer [B1]; Picasso Room [B1]; Opera III [B3])					
14:50-15:10	Editorial board meeting: Transportmetrica B (Board Room [B1])					
15:10-16:30	Session F1 (Picasso Room A) <i>Transport and Smart Cities-3</i>	Session F2 (Picasso Room B) <i>Transportation Modeling and Surveys-3</i>	Session F3 (Monet Room A) <i>Transport and Geography-4</i>	Session F4 (Monet Room B) <i>Emerging and Future Mobility-6</i>	Session F5 (Opera Room I) <i>Transit Management and Operations-5</i>	Session F6 (Opera Room II) <i>Logistics and Supply Chain Management-2</i>
16:30-16:50	Closing Session (Picasso Room; Opera I and Opera II [Live broadcasting])					
	Dr. Sylvia HE & Dr. Yong-Hong KUO Co-Chairs, the 27 th HKSTS Conference					
	Prof. Xiaowen FU Co-Chair, the 28 th HKSTS Conference					
17:00	Assemble at InterContinental Grand Stanford Hong Kong Lobby to Conference Banquet Venue [Dinner coupon required]					
18:00-20:00	Conference Banquet (Hung Kee Seafood Restaurant, Sai Kung)					

Detailed Presentation

Day 1: 11 December 2023 [Monday]

Session A1: Transport Equity-1 (Picasso Room A) <i>Session Chair: Tony Sze</i>	
13:50 - 15:10	Exploring crash injury severity on freeways in level terrain with CART and mixed logit model Depeng Niu, Cancan Song, Zhongyin Guo, Yuhai Sun and Zengxuan Xia
	The divided city: Assessing the gap in public transport accessibility suffered by disabled people in Brussels, Belgium Frederic Dobruszkes, Martin Grandjean, Arthur Nihoul and Didier Peeters
	The dilemma of transport equity research in non-western contexts Qiyang Liu and Pengjun Zhao
	The effect of the built environment on older adults' moderate physical activity: A non-linear and interaction effect analysis Jiani Wu, Yi Zhang, Mirkamiljan Mahmut and Xiayida Xiaohelaiti
	Correcting for endogeneity between crash injury severity and crash type at freeway ramp areas using a hierarchical Bayesian bivariate ordered approach Penglin Song and N.N. Sze

Session A2: Smart Mobility-1 (Picasso Room B) <i>Session Chair: Andy Chow</i>	
13:50 - 15:10	On the joint effects of supply and demand multi-homing in the e-hailing market Guipeng Jiao and Mohsen Ramezani
	Multi-hop driver-parcel matching with dynamic network partitioning: When is it more beneficial to split trips in on-demand logistics services? Yue Yang, Mohsen Ramezani and André van Renssen
	Factors influencing the pairing probability and the average detour/shared distance of each od pair in dynamic ridepooling service Siwei Sun and Xiaolei Wang
	The impact of multipurpose use of curb space on traffic congestion in the era of autonomous vehicles Hwibin Park, Chihyun Shin and Junghwa Kim
	Intelligent traffic control with use of Internet-of-Things and reinforcement learning technologies Zhongyang Lu, Andy Chow and Chunwei Yang

Detailed Presentation

Day 1: 11 December 2023 [Monday]

Session A3: Outstanding Student Paper Award (OSPA) cum Outstanding Dissertation Award presentation

(Monet Room A)

Session Chair: Tim Schwanen

13:50 - 15:10	Enhancing fixed transit services with demand-responsive limited-stop services considering alternative routes Kelvin Lee, Yu Jiang, Justin Dauwels and Rong Su
	A hazard-based duration model to quantify the impact of work-related distraction on taxi drivers' conflict risk: A driving simulator study Shi Ye, Tiantian Chen, Oscar Oviedo-Trespalacios and N.N. Sze
	Using mobile phone big data and street view images to explore the effects of walkability on walking behavior Xuan He and Sylvia Y. He
	A novel road user safety field theory for traffic safety assessment applying artificial intelligence-based video analytics [Winner of Outstanding Dissertation Award] Ashutosh Arun

Session A4: Emerging and Future Mobility-1

(Monet Room B)

Session Chair: Rongfang Liu

13:50 - 15:10	Two-echelon green bike repositioning problem with bike trailers Chin Sum Shui, Pin-Yin Chiang, En-Chi Hsu and Yueh-Ting Chen
	Stochastic user equilibrium model for demand distribution between urban air mobility and ground transportation networks Sungyong Chung, Dongju Ka, Chungwon Lee and Jinwoo Lee
	Unmanned aerial and surface vehicles path coordination for maritime surveillance applications Qingying He and Wei Liu
	Modeling multi-modal curbside usage in dynamic networks: a computational graph approach Jiachao Liu and Sean Qian
	Aviation manufacture job protection: an equitable COVID rescue program by USDOT Rongfang Liu

Detailed Presentation

Day 1: 11 December 2023 [Monday]

Session A5: Regional and International Transportation

(Opera Room I)

Session Chair: Anming Zhang

13:50 - 15:10

Airport competition in intercontinental air transport market between Europe and Asia

Hidenobu Matsumoto and Koji Domae

An elastic model for recognizing metropolis boundary: A case study of the Beijing Metropolitan Area

Wenyong Fan, Jiaoe Wang and Jie Huang

On the competition and collaboration in a multi-airport system considering ground connection between airports

Yufan Zuo and Wei Liu

A system dynamics analysis of container shipping schedule stability during the pandemic

Michael Bell, Wang Ze, Shengda Zhu and Kam Fung Cheung

Modeling competition between flight and high-speed rail services under delay uncertainty

Enoch Lee, Yue Huai, Takuya Kawakita, Hong Lo and Anming Zhang

Session A6: Green Transportation-1

(Opera Room II)

Session Chair: Liang Ma

13:50 - 15:10

The static multi-vehicle repositioning problem with electric bikes

Jia Cui and Wai Yuen Szeto

Legal frameworks and regulations to support green cold chain transport in Thailand

Saliltorn Thongmeensuk, Jitlakha Sukruay, Pitchapon Jirawongsapan and Napat Pattarapisan

Heterogeneity in effects of road network patterns on different air pollutant concentrations

Chengcheng Yu, Zhengtao Qin, Haocheng Lin, Chao Yang and Quan Yuan

New Work – Do innovative working time models contribute to a reduction in individual transport?

Lutz Gaspers, Leo Casey and Dominik Torenz

Using explainable machine learning to interpret the effects of policies on air pollution: COVID-19 lockdown in London

Liang Ma, Daniel J. Graham and Marc E.J. Stettler

Detailed Presentation

Day 1: 11 December 2023 [Monday]

Session B1: Transport Equity-2 (Picasso Room A) <i>Session Chair: Kouros Mohammadian</i>	
15:40-17:00	Investigating utility-based walking accessibility: Equity across different user groups Jiaqi Liu, Zheng Liang, Yue Huai and Hong K. Lo
	How daily mobility and public transport use affect travel satisfaction: Evidence from Hangzhou, China Yinan Dong, Yilin Sun, Dianhai Wang, Owen Waygood, Hamed Naseri and Yueqing Jiang
	Optimization of the highway control strategy in rain-fog coupling weather based on rear-end collision avoidance behavior Haojia Li, Cancan Song, Zhongyin Guo and Fujin Hou
	Built environment, active travel and the elderly's BMI in a high-density urban area: A case study of Chongqing, China Xiayida Xiaohelaiti, Yi Zhang, Mirkamiljan Mahmut and Jiani Wu
	Identifying public transit deserts: Transit accessibility for disadvantaged groups in northeastern Illinois Sina Asgharpour, Afshin Allahyari, Kouros Mohammadian, and Charles Abraham

Session B2: Smart Mobility-2 (Picasso Room B) <i>Session Chair: Mohsen Ramezani</i>	
15:40-17:00	Using computer vision and machine learning to identify bus safety risk factors Becky P. Y. Loo, Zhuangyuan Fan, Ting Lian, and Feiyang Zhang
	Integration of demand responsive transport systems and fixed-line transport systems with full synchronisation Ei Hnin Thet, Susilawati Susilawati and Ziyuan Pu
	Effects of information content and display format on driving behaviors in a connected vehicle environment Wenjing Zhao, Siyuan Gong, Dezong Zhao, Fenglin Liu and N.N. Sze
	A Reinforced inter-agent learning to develop CACC method for reducing traffic flow oscillations. Hanbin Lee, Seunghyeon Lee and Shin Hyoung Park
	Competition and cooperation in the on-demand e-hailing market Guipeng Jiao and Mohsen Ramezani

Detailed Presentation

Day 1: 11 December 2023 [Monday]

Session B3: Logistics and Supply Chain Management-1

(Monet Room A)

Session Chair: Xiaowen Fu

15:40-17:00

Dedicated or shared: How do third-party e-commerce warehouses choose?

Benedict Jun Ma, Jie Wang and Yong-Hong Kuo

Urban delivery with a coordinated fleet of trucks and drones

Wenjia Zeng, Hai Yang and Hai Wang

A column generation approach for passenger and parcel share-a-ride problem with drones

Rong Cheng, Tom Van Woensel, Otto Anker Nielsen and Yu Jiang

Truck-and-drone collaborative system for multi-mission operations

Wenbo Sun and Fangni Zhang

Regulation on Port Integration Towards Inland Transport Services under Incomplete Information

Kun Wang, Shiyuan Zheng and Xiaowen Fu

Session B4: Emerging and Future Mobility-2

(Monet Room B)

Session Chair: Wei Ma

15:40-17:00

Optimizing cooperative food delivery with riders and drones in urban settings

Mingzhi Lyu and Wei Liu

A decentralized platform for ride-sourcing service

Shuqing Wei, Hai Yang, Yuhan Liu and Jun Wang

Operational strategy design for on-demand food delivery services

Kaihang Zhang, Jintao Ke, Hai Wang and Yafeng Yin

Modeling the congestion effects of curbside drop-offs using bi-modal two-tandem bottlenecks

Yao Deng, Sean Qian, Zhi-Chun Li and Wei Ma

Detailed Presentation

Day 1: 11 December 2023 [Monday]

Session B5: Transit Management and Operations-1

(Opera Room I)

Session Chair: W.D. Walls

15:40-17:00	Adaptive large neighbourhood search method for public transport schedule synchronization Robin Gaborit, Jiří Spitzer, Yu Jiang and Otto Nielsen
	High-speed train seat allocation with consideration of passenger stochastic booking behaviour Jiemin Xie, Shuguang Zhan and S.C. Wong
	The role of right turns in bus operation Tingsen Xian, Emily Moylan and John Nelson
	Congestion pricing with cross-modal individual reward: Incentivizing public transit usage in a two-mode system Chen He, Taohua Zhou, Xiaolei Guo, Fangni Zhang and Xin Pei
	Controlling for regulatory institutions in the analysis of pipeline safety W.D. Walls and Xiaoli Zheng

Session B6: Green Transportation-2

(Opera Room II)

Session Chair: Linna Li

15:40-17:00	Credit charge-cum-reward scheme for green multi-modal mobility Hongxing Ding, Hai Yang, Xiaoran Qin and Hongli Xu
	A tradable carbon credit incentive scheme based on the public-private partnership Qingwen Fan, Yingtian Zhang, Hong Kam Lo, Gege Jiang and Xiao Yao.
	Air pollution exposure in different transportation microenvironments in Delhi Vikram Singh and Amit Agarwal
	Towards a synchronised timetable in German domestic long-distance passenger rail services – Competition policy implications of the “Deutschlandtakt” Andreas Knorr and Alexander Eisenkopf
	How does urban form influence the transport CO2 emissions? Evidence from Chinese cities Zilin Deng and Linna Li

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session C1: Transport Equity-3

(Picasso Room A)

Session Chair: Roger Vickerman

9:00-10:20

A comparison of the impacts of the control method on neighboring intersections in the school zone

Jinmun Kwon, Seunghyeon Lee and Jihye Byun

Impacts of COVID-19 on travel behaviour of people with disabilities in Hong Kong

Ting Lian and Becky P.Y. Loo

Are China's HSR tariff affordable and economic equitable? An international comparison perspective

Xutao Yang, Jianhong Wu, Yueqi Zong and Chao Wang

Provision of mobility-as-a-service for the elderly to advance public transport equity

R.C.P Wong and Nazam Ali

Rethinking accessibility in a post pandemic, net zero world

Roger Vickerman

Session C2: Transportation Networks

(Picasso Room B)

Session Chair: Weihua Gu

9:00-10:20

Analyzing and modeling the structure of urban heavy truck mobility networks

Yitao Yang, Bin Jia, Erjian Liu, Xiao-Yong Yan, Michiel Bok, Lóránt Tavasszy and Ziyu Gao

Designing the publicly-owned centralized platform for ride-hailing services with shared automated vehicles

Jinxiao Du and Wei Ma

A differential graph convolution network approach for network traffic flow prediction

Guojun He and Wei Huang

Which links are in the same boat? Identifying the co-susceptible groups in transportation networks

Zijian Wang and Xiangdong Xu

Planning AB-type skip-stop rail transit service for a square city

Li Zhen and Weihua Gu

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session C3: Transport and Geography-1 (Monet Room A) <i>Session Chair: Amparo Moyano</i>	
9:00-10:20	Exploring nonlinear associations between the built environment and different people's metro ridership Haoran Yang, Qinran Zhang, Size Chen, Jing Wen, Xu Sun and Linchuan Yang
	Assessing inequality in walking accessibility to public transport in Hong Kong Dong Liu, Mei-Po Kwan and Jianying Wang
	Does urban rail transit network expansion lead to more extreme commuting? Meng Zhou, Sixian Huang, Donggen Wang, Jun Zhou and Li Guo
	Evaluating spatial inequalities in the access to education and health facilities in rural areas: The case of the 'Empty Spain' Amparo Moyano and David Ramirez-Cajigas

Session C4: Emerging and Future Mobility-3 (Monet Room B) <i>Session Chair: Wei Liu</i>	
9:00-10:20	Comparing pre-booking optimal routing and no-backtracking routing strategies for flex-route feeder bus service design Li Zhen and Weihua Gu
	Prediction of disturbance-triggered platoon collisions in mixed traffic comprising automated and human-driven vehicles leveraging string stability analysis Shaocheng Jia, Yuzhe Cai, Xin Pei, Zi Yang, Wai Wong and S.C. Wong
	Regulatory exchange scheme for cross-city ride-sourcing market Chenlan Wang, Xinwei Li, Hai Yang and Hai-Jun Huang
	Modeling and managing the parking and vehicle sharing choices in the era of autonomous vehicles Zhuoye Zhang, Fangni Zhang and Wei Liu

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session C5: Transit Management and Operations-2

(Opera Room I)

Session Chair: Jintao Ke

9:00-10:20

Railway pricing, seat allocation and overbooking considering demand uncertainty

Jing Xu, Lianbo Deng and Wei Liu

Optimal Depot Locations for Substitute Buses of Metro Disruptions

Shuyang Zhang, Yuran Xiao, Guojun Chen and Chenglu Wang

Alleviation of passenger queues in a resource constrained bus network with a case study in Kigali, Rwanda

Jean Claude Ndaruhutse, Takamasa Iryo and Eiji Hato

Adaptive metro train rescheduling under disruption: A multi-agent deep reinforcement learning approach

Chengshuo Ying, Shouyang Wang and Andy H.F. Chow

Scaling laws of dynamic high-capacity ride-sharing

Wang Chen, Jintao Ke, Linchuan Yang and Xiqun Chen

Session C6: Green Transportation-3

(Opera Room II)

Session Chair: Hannah Hook

9:00-10:20

Urban public charging infrastructure planning for electric vehicles: A continuum approximation approach

Yichan An and Jinwoo Lee

Revealing e-taxi drivers' charging behavior using GPS trajectory data

Meng Liu and Sylvia He

Optimizing transit service runs and planning activity location with carbon credit charge scheme: An activity-based approach

Yuqian Jin and Xiao Fu

Optimal configuration of dynamic wireless charging facilities considering electric vehicle battery capacity

Shaojun Liu and David Z W Wang

Is 23 minutes walking distance?: Factors determining walking time thresholds of Twitter users

Hannah Hook

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session D1: Transport and Smart Cities-1 (Picasso Room A) <i>Session Chair: Takeshi Nagae</i>	
10:40-12:00	Understanding users' cancellation behaviors in online food delivery markets: A reference-dependent survival analysis Jian Liang and Jintao Ke
	A data-driven framework for parking reservation strategy of office-oriented garages Xinying Zhang, Minghui Xie, Sanghuiyu Yan, Yuanqing Wang and Yanan Gao
	Mobile phone location estimation based on probabilistic statistical modeling and mobility regularities Yifan Li, Meng Zhou, Jiongxiu Chen and Ming Cai
	A distributed cooperative learning approach for traffic signal control on urban road network Shingo Tabata and Takeshi Nagae

Session D2: Transportation Modeling and Surveys-1 (Picasso Room B) <i>Session Chair: Dong Ngoduy</i>	
10:40-12:00	Modeling link capacity constraints' effect on the bi-modal mixed traffic network equilibrium Jia Yao, Yanqin Chen, Anthony Chen and Zhiyuan Liu
	A heteroscedastic weibit choice model: Analytical and empirical properties Sunghoon Jang and Anthony Chen
	A reservation-based subway inbound behavior choice model for morning commute problem Fei-Fei Sun, Ling-Ling Xiao and Yi-Han Geng
	Consideration of the residual queue and queue-dependent capacity in a static traffic assignment model Hao Fu, William H.K. Lam, Yuxin Shi and Wei Ma
	Real-time calibration of microscopic traffic flow models based on deep Kalman filter Seunghyeon Lee, Dong Ngoduy, Tenglong Li and Ziyuan Pu

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session D3: Transport and Geography-2

(Monet Room A)

Session Chair: K.V. Krishna Rao

10:40-12:00

Assessing social disparities in personal transit accessibility considering human mobility

Jiannan Cai, Mei-Po Kwan, Dong Liu and Zihan Kan

Investigating the effects of administrative boundaries on human mobility

Zhengying Liu and Pengjun Zhao

Bi-level optimisation for stochastic network traffic with reinforcement learning

Zicheng Su, Andy Chow, Renxin Zhong and Wanjing Ma

TOD or DOT? Insights from land use density analysis around metro stations in Beijing

Jie Huang, Wenwei Tan and Jiaoe Wang

The role of augmenting transit network in metropolitan areas to increase transit ridership

Shadab Akhtar, Abhijna M and K.V. Krishna Rao

Session D4: Emerging and Future Mobility-4

(Monet Room B)

Session Chair: Fangni Zhang

10:40-12:00

Exploring the effects of service satisfaction on willingness to use shared autonomous vehicles: Evidence from experienced users in China

Zhijian Zhao, Yilin Sun, Xinyi Tang and Yan He

A study on road operation strategies in response to changes in road environment in the era of autonomous driving: Based on the effectiveness evaluation of operation strategies through microscopic simulation

Seojun On and Jung Hwa Kim

Malkov process-based dynamic optimization problem for the maintenance and relocation of critical urban facilities under uncertain future conditions

Satoki Masuda and Eiji Hato

Modular vehicle-based transit system for combined passenger and freight transportation

Jie Lin and Fangni Zhang

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session D5: Transit Management and Operations-3

(Opera Room I)

Session Chair: David Z. W. Wang

10:40-12:00	Dernet: driver emotion recognition using on-board camera Dingyu Wang, Shaocheng Jia, Xin Pei, Chunyang Han and Danya Yao
	Bayesian estimation of an urban/transportation equilibrium model with multiple equilibria Kaito Kobayashi and Takeshi Nagae
	Causation analysis and management measures of bus accidents based on 24model Ting Su, Guojun Chen, Haode Liu and Shuyang Zhang
	An exploration of influencing factors and heterogeneity in mode choice from the perspective of household structure: A case study in Hangzhou, China Yan He, Yilin Sun and Zhijian Zhao
	From demand to train operational plan: An integrate approach incorporating multi-strategies Runfa Wu, Guangming Xu, David Z. W. Wang, Feng Shi and Shaojun Liu

Session D6: Green Transportation-4

(Opera Room II)

Session Chair: Meister Adrian

10:40-12:00	An alternative loading strategy for a bike repositioning problem with e-bikes and conventional bikes Mingxuan Chen and Wai Yuen Szeto
	Pedestrian flow simulation based on SPH with a refined following-overtaking model Bilu Li, Zheng Li, Rui Zhou, Shifei Shen and Xin Pei
	Pickup and delivery problem with electric vehicles considering wireless charging lanes Kechen Ouyang and David Z W Wang
	Characterizing high-emitting heavy-duty diesel vehicles based on multi-source data Zhuoqian Yang and Ke Han
	Comparative study of route choice models for cyclists Adrian Meister, Zheng Liang, Matteo Felder and Kay Axhausen

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session E1: Transport and Smart Cities-2

(Picasso Room A)

Session Chair: Sisi Jian

13:30-14:50

Analysis of traffic characteristics in urban underpass using VDS data

Juehyun Lee, Dongmin Lee, Jiyoung Kim and Seungchul Shin

Utilizing data fusion for daily trip prediction: A particle filter-enhanced input-output hidden Markov model approach

Yuhan Gao, Ryoji Ishii, Kuniaki Sasaki and Daisuke Fukuda

Does mobility cause infections?

Majd Yousof, Anupriya Anupriya and Daniel Graham

Traffic uncertainty prediction with an integrated model-based and data-driven approach

Xinyue Wu, Andy Chow, Wei Ma, William Lam and S.C. Wong

The optimal joint price and resource allocation strategy under capacity and equity constraints

Yanyan Ding, Xiaoshu Ding, Sisi Jian and Wentao Huang

Session E2: Transportation Modeling and Surveys-2

(Picasso Room B)

Session Chair: Takamasa Iryo

13:30-14:50

A fusion clustering approach for traffic state classification in urban road networks

Dalin Tang and Wei Huang

Multi-agent reinforcement learning based coordinated ramp metering for urban expressways with multi-bottleneck

Qinghai Lin, Zhaocheng He, Zhigang Wu and Wei Huang

Interaction between pedestrian and vehicle route choice problem based on generative adversarial network

Daichi Ogawa and Eiji Hato

Extraction and characterisation of potential destinations using GPS data in tourist areas

Hinomi Masuno, Takamasa Iryo and Daisuke Kamiya

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session E3: Transport and Geography-3

(Monet Room A)

Session Chair: Jie Gao

13:30-14:50	Uncovering population dynamics: A non-negative tensor decomposition approach to activity pattern extraction Alvin Noviansyah, Nobuhiro Uno, Ryoji Matsunaka and Tomoki Nishigaki
	O/D cut optimization for traffic sensor location problem (217) Ruri Sase and Satoshi Sugiura
	Unveiling the relationship between active transportation through walking and metabolic syndrome: A study in Hyogo and Osaka, Japan (383) Haoxuan Ge and Jue Wang
	The relationship between residential dissonance and changes in travel satisfaction: Evidence from dual-earner household in Japan (375) Jie Gao, Toshiyuki Yamamoto, Hitomi Sato and Marco Helbich

Session E4: Emerging and Future Mobility-5

(Monet Room B)

Session Chair: Haruko Nakao

13:30-14:50	Unify change points detection and transportation modes identification based-on GPS trajectory data in a regression task Rongsong Li and Xin Pei
	Exploring gender gaps in ride-hailing matching time and pick-up time: Analysis from the user side Fan Gao and Sylvia Y. He
	Social-aware planning and control for automated vehicles based on driving risk field and model predictive contouring control: Driving through roundabouts as a case study Yongqi Dong, Li Zhang, Haneen Farah and Bart van Arem
	A study on the calculation of the appropriate influence area of the diverging area for the AVs' dedicated lanes on highway Chansik Choe, Seunghyeon Lee and Soobeom Lee
	Estimation of activity-specific dynamic OD matrices using a utility maximisation approach Ariane Scheffer, Haruko Nakao, Richard Connors and Francesco Viti

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session E5: Transit Management and Operations-4

(Opera Room I)

Session Chair: Seunghyeon Lee

13:30-14:50

A modified genetic algorithm for solving the bus route design, express bus service design and frequency setting problem

Qiande He and Wai Yuen Szeto

An accident causation model for urban subway stations

Wenhui Zhao and Meng Xu

Tailored priority allocation in the bottleneck model with general user heterogeneity

Zhenyu Yang, André de Palma and Nikolas Geroliminis

Common fare for mass transit in Bangkok: A welfare economics analysis

Sumet Ongkittikul, Thamonwan Thasuwan, Atiporn Shimnoi, Thanrada Laoporn and Pitchapon Jirawongsapan

Enhancing actuated signal control policies with optimal speed advisory considering real-time queue lengths

Dohyeon Kim and Seunghyeon Lee

Session E6: Green Transportation-5

(Opera Room II)

Session Chair: Yu Zhou

13:30-14:50

Spatiotemporal variability of PM2.5 data collected through mobile monitoring

Rashmi Choudhary and Amit Agarwal

Importance-satisfaction analysis of key factors related to bicycle infrastructure — Experiences from an urban area

Sakshi Sharma, Rajat Rastogi and Debasis Basu

Multiple membership multilevel model for the relationship between walking accessibility and pedestrian safety of metro system

Manman Zhu, N.N. Sze and Haojie Li

The road to electrification: Bus fleet replacement strategies

Yu Zhou

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session F1: Transport and Smart Cities-3

(Picasso Room A)

Session Chair: Zihan Kan

15:10-16:30	A self-organization based traffic control approach for signalized intersections Liang Zhang and Wei-Hua Lin
	Public acceptance of circular and point-to-point urban ferry services in Hong Kong R.C.P. Wong, N. Ali, W.Y. Szeto and S. Wang
	Domain adaptation-based real-time driving style recognition Yi Wang, Yuchen Shi and Bihan Wen
	Understanding traffic congestion patterns using Ripley's K function for network-constrained flows Zihan Kan, Mei-Po Kwan and Luliang Tang

Session F2: Transportation Modeling and Surveys-3

(Picasso Room B)

Session Chair: Anthony Chen

15:10-16:30	Lane-changing intention prediction induced by oppressing sensation when the leading vehicle is truck Youyi Tang, Lu Xing, Xin Pei, Yi Fei and Danya Yao
	A tri-level optimization model to design transit routes for public buses and privately owned commercial vehicles with elastic passenger demand Muhammad Zeeshan, Junji Urata and Eiji Hato
	Optimal vehicle capacity of a demand responsive transport with schedule costs Joshua Teguh Santoso and Takamasa Iryo
	Adaptive scheduling of electric bus services with stop-skipping pattern using a reinforcement learning approach Guangyu Li, Andy Chow and Chengshuo Ying
	Exploring traffic paradoxes from a system dynamics perspective Zhuowei Wang, Jiangbo Yu and Anthony Chen

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session F3: Transport and Geography-4

(Monet Room A)

Session Chair: Jiangping Zhou

15:10-16:30

The spatio-temporal relationship between land use and population distribution around new intercity railway stations: A case study on the Pearl River Delta region, China

Xijing Li, Mengmeng Zhang, and Jionghua Wang

Fitting intercity travel with internet search data: A revisit of the gravity model in the digital age

Zhixuan Li and Becky P.Y. Loo

Neighbourhood type, the built environment and bus use in Beijing: A machine-learning analysis

Sui Tao

Identifying and improving non-metro connections for metro station pairs via smart card data: A tale of Wuhan, China

Tingting Li and Jiangping Zhou

Session F4: Emerging and Future Mobility-6

(Monet Room B)

Session Chair: Yacan Wang

15:10-16:30

Mobility as a service: Which resources are enablers and who is being excluded?

David Vale, Mauricio Orozco-Fontalvo and Filipe Moura

Integrated driving risk surrogate model and car-following behaviour for freeway risk assessment

Renfei Wu, Yikang Rui, Dong Ngoduy and Bin Ran

Vehicle path planning based on the improved safety potential field model in toll plaza's lane marking and non-lane marking diverging area

Siqi Zhong, Lu Xing, Xin Pei, Danya Yao, Sirui Guo and Chunyang Han

Examine the impact of station location on dockless bikesharing-metro integration: Evidence from Beijing

Jingjing Li, Xiaolan Yang, Zilin Zhan, Shuchen Liu and Yacan Wang

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Session F5: Transit Management and Operations-5

(Opera Room I)

Session Chair: Jan-Dirk Schmöcker

15:10-16:30	Integrated optimization of bus bridging service design and passenger assignment in response to urban rail transit disruptions Yun Wang, Yu Zhou, Hai Yang, Xuedong Yan
	Tcnsurv: A TCN-based deep survival analysis model for failure prediction in urban infrastructure systems Binyu Yang and Wei Ma
	Optimization of train timetable scheduling and rerouting for passenger evacuation during typhoon periods — A stochastic programming approach Yian Wei, Songyi Cui, Yong-Hong Kuo and Yao Cheng
	Rebalancing traffic crash data based on generative adversarial networks for crash severity modeling Junlan Chen, Ziyuan Pu, Xiao Wen, Nan Zheng, Xiucheng Guo, and Hongliang Ding
	Crowd estimation and prediction using Wi-Fi sensor data: An on-campus experiment. Stellah Namulindwa, Jan-Dirk Schmöcker, Wenzhe Sun and Satoshi Nakao

Session F6: Logistics and Supply Chain Management-2

(Opera Room II)

Session Chair: Emily Moylan

15:10-16:30	Route choice analysis of oversized trucks in Osaka-Kobe area using binomial logit and recursive logit models Yue Ma, Jan-Dirk Schmöcker, Wenzhe Sun and Satoshi Nakao
	A mobile clinic routing and scheduling problem in equitable vaccination outreach Jiemin Zhao, Xin Wang and Mingyao Qi
	A two-stage planning approach for improving multimodal transportation networks: Case of EEC in Thailand Sarawut Jansuwan and Anthony Chen
	Enhancing the co-modality of passenger and freight for train system considering demand uncertainties Wentao Huang, Yanyan Ding and Sisi Jian
	Emergency vehicle dispatching and reassignment Changle Song, David Levinson and Emily Moylan

Detailed Presentation

Day 1: 11 December 2023 [Monday]

Poster Session 1 (Picasso Room) <i>Session Chair: Yili Tang</i>	
15:40-17:00	Joint optimization of pricing and routing for dynamic ride-sharing considering order cancellations (7) Jiguang Wang, Xinglu Liu and Jintao Ke
	Pricing and reward strategies in ride-sourcing market with fare-reward schemes: An equilibrium analysis (8) Dong-Hoon Son
	Road safety evaluation with multiple treatments: A comparison of methods based on simulations (11) Yingheng Zhang, Haojie Li and Tony Sze
	Prediction of vessel detention considering data imbalance: Methods and comparison (14) Ran Yan
	Decentralized optimization for stochastic relief inventory control in a single-echelon logistics network (16) Riki Kawase
	Metro ridership and interchange prediction for metro extension by large-scale multimodal traffic simulation (20) Enoch Lee, Ashraf Uz Zaman Patwary, Hong Kam Lo, Siman Tang and Ho Wing Chan
	Research on compaction quality control of cement stabilized macadam based on Intelligent Compaction (21) Jia Xia, Lei Jiang, Fang Liu, Wen Chen and Wenbao Yu
	Modeling pedestrian fundamental diagram based on directional statistics (50) Keiichiro Fujiya, Kota Nagasaki and Toru Seo
	A exploratory study on dynamic flight trajectory deviation from convective weather hazard via deep learning approaches (54) Ye Liu, Kam K.H. Ng and Nana Chu
	Resilient bus services design in a multimodal network catering to metro system disruption (64) Zhiya Su, Enoch Lee, Lijuan Wan, Qiru Ma, Kejun Du and Hong K. Lo
	Dynamic spatio-temporal interactive clustering strategy for free-floating bike-sharing (68) Zihao Tian, Zhou Jing, Lixin Tian and David Z.W. Wang
TEB: A time series model for on-demand e-hailing matching in the broadcasting mode (73) Taijie Chen, Zijian Shen, Siyuan Feng and Jintao Ke	
Managing traffic evacuation with multiclass connected and autonomous vehicles (77) Jialin Liu and Bin Jia	

15:40-17:00	<p>Cross-city traffic prediction via semantic-fused hierarchical graph transfer learning (81) Kehua Chen, Siyuan Feng and Hai Yang</p>
	<p>Metro operation time extension for night owls: A sustainable design for inclusive mobility (85) Yaochen Ma, Shuqing Wei, Yili Tang and Hai Yang</p>
	<p>Optimization of operation plan for utilizing existing railway to operate urban/suburban trains based on passenger mixed arrival mode (86) Weiwei Song, Yuling Ye, Congcong Chen, Wentao Zhou and Ziyue Zhu</p>
	<p>Identification of asphalt pavement transverse crack based on vehicle vibration data fusion (87) Wenzhi Yuan and Qun Yang</p>
	<p>Multimodal demand forecasting with missing data via generative adversarial network (88) Can Li, Wei Liu and Hai Yang</p>
	<p>Exploring a new method of social area analysis in the mobility paradigm: A case study of Shenzhen (93) Run Shi and Anthony Gar On Yeh</p>
	<p>Traffic accident risk assessment by car-following simulations considering the impact of location of connected and autonomous vehicles (104) Mengya Zhang, Nobuhiro Uno and Xiaoguang Yang</p>
	<p>A deep Q-learning approach for food delivery problem with reassignment due to cancellation (108) Yang Deng, Andy Chow, Yimo Yan, Zhili Zhou, Chengshuo Ying and Yong-Hong Kuo</p>
	<p>Passenger reidentification for bus OD estimation in morning peak hours using video images (110) Xin Chen, Cheng Zhang, Jing Zhao, Zehao Jiang, Jun Ma and Junping Xiang</p>
	<p>Modelling a ride-sourcing market with a third-party platform integrator under batch matching mechanisms (120) Ce Wang and Jintao Ke</p>
	<p>Scheduling of shared autonomous vehicle platoons considering time of use time-space priority (121) Zhimian Wang, Kun An and Wanjing Ma</p>
	<p>Optimizing train car passenger loading via platform escalator directions (127) Qiru Ma, Enoch Lee, Kejun Du, Zhiya Su, Hong K. Lo, Bede Siman Tang, Hw Ho Wing Chan and S. W. Ricky Lee</p>
<p>An origin-destination level analysis on the competitiveness of bike-sharing to underground using explainable machine learning (133) Huitao Lyu, Haojie Li and Fan Zhang</p>	
<p>Optimal reservation policy for metro passenger flow management (135) Haoyu Mo, Xiaotong Sun and Abdolmaleki Mojtaba</p>	

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Poster Session 2 (Picasso Room) <i>Session Chair: Yu-Chiun Chiou</i>	
9:00-10:00	An activity-based travel chain model for simulating potential battery-swapping demand of electric micro-mobility vehicles (137) Fan Zhang, Yanjie Ji and Huitao Lyu
	Bottleneck road resources allocation strategies considering carpooling behavior and random utility (142) Jia Yao, Qian Zhang, Lan Yu and Hongguang Bo
	Holding patterns for inbound flights to airports and their prediction (143) Jun Xiao, Rongyi Zhao, Yue Zhong, Yang Cui, Tat Shing Choi and K.Y. Michael Wong
	Joint optimization of vehicle-to-grid facilities and parking and charging services in the era of electric autonomous vehicles (148) Yihan Gao, Wei Liu and Zhuoye Zhang
	Origin-destination estimation based on link counts using encoder-decoder structure and bayesian network (161) Xianwei Peng, Wei Huang and Hong K. Lo
	A novel lane-changing prediction framework for mixed driving styles using fuzzy vehicle trajectory data (163) Ruifeng Gu, Tony Sze and Ye Li
	A modeling framework for the three-sided network equilibrium in on-demand food service (165) Kaihang Zhang and Jintao Ke
	Repositioning in bike sharing systems with broken bikes considering on-site repairs using a hybrid genetic search algorithm (174) Runqiu Hu and Wai Yuen Szeto
	A station location design problem in a bike-sharing system with both conventional and electric shared bikes considering bike users' roaming delay costs (175) Jiatong Song, Wai Yuen Szeto, Baicheng Li and Xingbin Zhan
	Comparative study of alleviating bus bunching with a unified reinforcement learning framework (178) Zhandong Xu, Chao Wang, Yin Huang and Minyu Shen
	Forecasting long-term economic impacts for infrastructure planning based on a graph convolutional network approach (188) Aoba Kusayama, Wenzhe Sun, Jan-Dirk Schmöcker, Satoshi Nakao and Tadashi Yamada
	Data-driven analysis of arrival flight transit efficiency (193) Richard Louie, Chris Nguyen, Tak Shing Tai, Go Nam Lui and Rhea Liem
Column and row generation-based railway timetable rescheduling considering passenger routing (200) Shuguang Zhan, Cong Xiu and Qiyuan Peng	

9:00-10:00	<p>Towards a unified traffic assignment model for multiple cities using multi-source open public datasets (207) Xiaotong Xu, Wei Ma, Zhenjie Zheng, Zijian Hu and Kairui Feng</p>
	<p>The parcel delivery problem considering the crowd-shipping and the uncertainty of customer demands (210) Shixuan Tang, Wentao Huang and Sisi Jian</p>
	<p>Deep learning-based pixel-wise visibility estimation under foggy weather (227) Jing You, Shaocheng Jia, Xin Pei and Danya Yao</p>
	<p>Integrating ecological considerations in transit-oriented development: An improved node-place-design-eco model (229) Lingwei Zheng, Mei-Po Kwan, Ru Yuan and Ziyue Feng</p>
	<p>A usage-based insurance system based on crash likelihood map and cellular-based travel exposure (230) Yu-Chiun Chiou and Chia-Jung Yeh</p>
	<p>CAV merging strategy based on reinforcement learning: Imitation and optimization from human behavior (236) Ye Li and Yingyue Ma</p>
	<p>Governing autonomous vehicles inclusion in India: Developing regulatory framework, necessary infrastructure, and test scenarios (240) Ankit Singh, Rajalakshmi Pachamuthu and Digvijay Pawar</p>
	<p>Modeling and heuristically solving group train operation planning for heavy haul railway transportation considering freight demand importance (247) Qinyu Zhuo and Weiya Chen</p>
	<p>An investigation into the impact of the built environment on the travel mobility gap using mobile phone data (260) Yu Pan and Sylvia He</p>
	<p>Adaptive traffic control for connected autonomous vehicles at signal-free intersections (263) Chunwei Yang, Andy H.F. Chow and Zhongyang Lu</p>
	<p>CO2 emissions pricing under multi-vehicle-type and multi-criteria conditions (264) Ziyue Zhu, Yuling Ye and Yihan Tian</p>
	<p>A new passenger assignment method considering the impact of fare-free rewarding scheme for railway services (269) Yini Xiao, Peilan Zhou, Yiling Gong and Guangming Xu</p>
	<p>Integrated design of urban rail transit fed by feeder bus and shared bike (270) Miaoqing Hu and Wai Yuen Szeto</p>
<p>Optimisation of seat allocation scheme for railway systems considering social equity (271) Peilan Zhou, Yini Xiao, Yiling Gong and Guangming Xu</p>	
<p>Research on the influencing factors of the demand for free-floating shared bicycles in subway connections (275) Weilun Liu</p>	

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Poster Session 3 (Picasso Room) <i>Session Chair: Maria Attard</i>	
10:40-11:40	Group-based seat allocation optimization for railways considering the risk of COVID-19 virus transmission (277) Xinyi Liu, Guangming Xu, Linhuan Zhong and Wei Liu
	Modeling and managing rail transit congestion for heterogeneous commuters with a fare-reward scheme (280) Chunyu Lu and Guangming Xu
	The potential impacts of the U.S. Bipartisan Infrastructure Law on local economies and regional disparity: Case study of Texas, USA (286) Ziqi Liu, Ming Zhang and Zhenhua Chen
	The impact of shared autonomous vehicles pricing scheme on travel behavior (291) Yue Hu and Chao Yang
	The public transport disadvantaged in a highly transit-oriented city: An analytical framework, key challenges, and opportunities (292) Hui Wang and Becky Loo
	Public attitudes towards carpooling services in Hong Kong: Perceptions, acceptance, and feasibility (296) Shouguo Peng, Hoi Ching Kwok and Min Xu
	Enhancing bus line performance using simulation and optimization framework (297) Jiangyan Huang and Min Xu
	Personal-oriented airline crew scheduling: Understanding crew preferences and job satisfaction (299) Yilun Wang, Ka Hin Wong and Min Xu
	Reference point-based transportation network user resilience (302) Kai Qu, Xiangdong Xu and Anthony Chen
	Estimating metro passenger route choices with a fully differentiable simulation-based optimization (SBO) approach (305) Kejun Du, Enoch Lee, Qiru Ma, Zhiya Su and Hong Lo
	User protection policy on ride-sourcing services with a cryptocurrency fare-reward scheme (313) Dong-Hoon Son and Zhengfei Zheng
	Who buys whose transport capacity is better in airline-high speed rail cooperation? (315) Yiling Gong, Yini Xiao, Peilan Zhou, Guangming Xu and Linhuan Zhong
A deep learning approach to predicting and improving the dynamic usage of urban parking resources (318) Chao Lei, Sheng Zhao and Xuejin Wan	

10:40-11:40	<p>An analysis of pricing strategy for parking services from the supply and demand perspective (322) Xiaoyun Wang, Meng Xu and Haohan Xiao</p>
	<p>Evaluation of long-term performance of asphalt mixture incorporating plastic wastes (326) Gengren Hao, Sin Mei Lim and Ghim Ping Ong</p>
	<p>Mapping the spatial disparity of public transport accessibility at the building environment scale (329) Weijia Liu, Haoliang Chang and Corey Kewei Xu</p>
	<p>Modeling the stochastic pedestrian fundamental diagram with explicit considerations of bidirectional conflict (331) Haoyang Liang, Jian Sun and Yun Ye</p>
	<p>Learning two-dimensional merging behaviour from vehicle trajectories with imitation learning (334) Jie Sun and Hai Yang</p>
	<p>Ensemble models of route choice for automobiles (343) Haotian Wang, Emily Moylan and David Levinson</p>
	<p>A multi-period asymmetric transit frequency design (344) Jun Gong and Wai Yuen Szeto</p>
	<p>Spatiotemporal study on integration of ridesourcing and metros considering heterogeneity (346) Xinghua Liu, Ye Li and Xuan Shao</p>
	<p>An ultra-flexible train composition strategy for high-speed railway corridors with time-varying demand (349) Guangming Xu, Linhuan Zhong and Wei Liu</p>
	<p>Exploratory analysis of activities and travel patterns based on crowdsourced GPS tracking data and micro land cover data: Observation across the COVID-19 period in Daegu City, South Korea (351) Jaehyeong Kong, Jae Hyun Lee, Yeon Chi-Hyeong, Yunkyung Bae and Seo Youn Yoo</p>
	<p>Impact of connected automated vehicle platooning on mixed lane-free traffic (353) Yihuai Zhang, Chenguang Zhao and Huan Yu</p>
	<p>A study on the acceptability of replacing mobility with online services (354) Tomoyuki Yakura and Yasuhiro Shiomi</p>
	<p>Study on the potential of expressway rest areas as mobility hubs in extraordinary trips (355) Kaito Uchibori and Yasuhiro Shiomi</p>
	<p>Footprints of goods movements: Spatial heterogeneity of heavy-duty truck activities and its influencing factors in the urban context (356) Zhiwei Yang, Xiaohong Chen and Quan Yuan</p>
<p>Using nudges and action research to encourage active travel modes in car dependent island communities (463) Maria Attard</p>	

Detailed Presentation

Day 2: 12 December 2023 [Tuesday]

Poster Session 4 (Picasso Room) <i>Session Chair: Sui Tao</i>	
13:30-14:30	Deep trip generation with graph neural networks for bike sharing system expansion (359) Yuebing Liang, Fangyi Ding, Guan Huang and Zhan Zhao
	Optimization of charging and discharging schedules for electric buses under the V2G environment (381) Xiangyu Zhou, Kun An and Wanjing Ma
	A novel driving risk assessment method based on collision probability estimation (384) Dongtai Li, Shaocheng Jia, Chunyang Han, Xin Pei and Danya Yao
	The ignore of accessibility variations leads to an overestimation of the accessibility to PCR sites – a case study in four megacities in China (386) Jianying Wang, Mei-Po Kwan, Dong Liu and Yuxia Wang
	Traffic parameters estimation for signalized intersection: a hybrid approach using CAV data (393) Shuling Wang
	The impact of perceived walking environment on social support in the elderly: mediating effects of walking time and social reciprocity (396) Meino Liu, Anyu Chen and Na Chen
	Urban rail transit and green urbanization (399) Anupriya Anupriya and Daniel Graham
	Influence of subjective and objective factors on elderly mobility: A case study of Singapore (410) Baicheng Yan, Ghim Ping Ong and Liujiang Kang
	Optimization of coupled services for electric fleets (414) Yue Lin, Hai Wang and Hai Yang
	Adaptive event-triggered cooperative network traffic control (423) Can Chen, Yunping Huang, Shu-Chien Hsu and Renxin Zhong
	An aggregated dynamic approach for large-scale ride-sharing traffic flow networks: modeling and relocation (427) Yunping Huang, Enming Liang, Shu-Chien Hsu and Renxin Zhong
	A novel multi-modal switch control method for CACC in complicated car-following scenarios (429) Yuning Wang, Donghui Yang, Zhiyuan Liu and Jianqiang Wang
	Integrated variable speed limit and ramp metering based on vehicle group risk prediction for expressways (433) Ziliang He, Wanjing Ma and Ling Wang
Mobility as a service (MaaS) and the role of public authorities (436) Mauricio Orozco-Fontalvo and Filipe Moura	

13:30-14:30	<p>Managing morning rush hour congestion with tradable credits: Should commuters pay both fare and credit when using travel services? (440) Hongwei Zhu and Lijun Tian</p>
	<p>Real-time intersection safety evaluation using ensemble learning with drone videos (441) Shile Zhang and N.N. Sze</p>
	<p>Coordinated transit signal priority and vehicle guidance for automated buses (448) Minji Kim, Yeohee Han and Youngchan Kim</p>
	<p>Rescheduling of the electric buses subject to charging failures (458) Yiyang Peng, Guoyuan Li, Min Xu and Anthony Chen</p>
	<p>A bus lane sharing strategy at intersections: simulation and evaluation (464) Tenglong Jiang, Jinbiao Lou, Zhexi Lian and Zhen Zhang</p>
	<p>Accelerated testing for automated vehicles using simulation-in-the-loop optimization (466) Jinbiao Lou, Tenglong Jiang and Zhen Zhang</p>
	<p>Towards safety distributed cooperative control with constraint-chain at unsignalized intersections (468) Yingjun Qiao, Xingyu Li, Jin Huang and Zhihua Zhong</p>
	<p>Ecological signal control method for an isolated intersection based on flow regulation (469) Zhen Kang, Lianhua An and Xiaoguang Yang</p>
	<p>On the relation between demand level and path choice set in stochastic user equilibrium traffic assignment problem (477) Heqing Tan, Anthony Chen and Xiangdong Xu</p>
	<p>Rail corrugation analysis method based on FK method (480) Yuxuan Wang, Yannan Zhao, Jiaxin Lei, Zhao Caiyou and Ping Wang</p>
	<p>A trajectory-based cooperative control for the heterogeneous traffic at urban arterials (484) Zhen Zhang, Jintao Lai and Xiaoguang Yang</p>
	<p>Pedestrian route choice: assessing tradeoffs in link attributes (484) Xiazhi Zhang, Roger Chen and Poya Harirchi</p>
<p>Intersection control under mixed traffic with connected automated vehicles: A review of recent developments and research frontiers (320) Jinjue Li, Chunhui Yu, Zilin Shen, Zicheng Su and Wanjing Ma</p>	