Program at a Glance

| Date	Time	Session	Room
Thursday, July 6, 2017	09:00-21:00	**Registration**	Lobby of Crowne Plaza Shanghai Anting
	13:30-16:30	International Forum of Career Development for Students and Young Professionals	Room 124, Tongxin Building
	13:30-17:30	Deans' Forum for Transportation Schools	Room 405, Jiren Building
Friday, July 7, 2017	07:30-08:30	**Registration**	1st floor, Jiren Building
	08:30-09:15	**OPENING CEREMONY**	Room 101, Jiren Budling
	09:30-12:00	Keynote Session	Room 101, Jiren Budling
	13:30-15:20	Spotlight Session I: Big Data and Mobility	Room 405, Jiren Building
	15:40-18:00	Spotlight Session II: ITS in Practices	Room 405, Jiren Building
		Meet the Editors-in-Chief	Room 124, Tongxin Building
	13:30-18:00	Invited Session 1 Intelligent Transportation System	Room 211, Jiren Building
		Invited Session 2 Rail Transit Operation & Management	Room 311, Jiren Building
		Invited Session 3 Transportation Geotechnics	Room 210, Jiren Building
		Invited Session 4 Infrastructure Materials and Maintenance	Room 209, Jiren Building
		Launching Ceremony of The Big Data	

2

		Workshop：Connected Vehicle Research and Open Source Cloud Microscopic Traffic Simulation	Room 309, Jiren Building
	18:30-20:30	The Conference Banquet	The Grand Enhance Ballroom, Crowne Plaza Shanghai Anting
Saturday, July 8, 2017	08:00-09:50	Spotlight Session III: Connected and Autonomous Driving	Room 405, Jiren Building
	10:00-12:30	Spotlight Session IV: Frontiers in ITS Data and Modeling	Room 405, Jiren Building
	08:30-12:30	Spotlight Session V: Driving Simulator	Room 224, Tongxin Building
	08:00-12:30	Invited Session 5: Traffic Safety	Room 211, Jiren Building
		Invited Session 6 : Network Modeling	Room 311, Jiren Building
		Invited Session 7 Risk Management for Autonomous Vehicles and Smart Transportation	Room 210, Jiren Building
		Invited Session 8 Intelligent & Green Highway	Room 209, Jiren Building
		2nd Smart City-Driven Traffic Information Engineering and Control Discipline Development Forum	Room 312, Jiren Building
	08:30-17:30	COTA's Special Forum on Traffic Signal Control Practices	Room 124, Tongxin Building
	08:00-12:30	Student Forum 1: Traffic Flow Theory and Network	Room 201, Jiren Building
		Student Forum 2: Traffic Planning and Operation（Ⅰ）	Room 202, Jiren Building
		Student Forum 3: Traffic Planning and Operation（Ⅱ）	Room 203, Jiren Building
		Student Forum 4: Green Traffic	Room 301, Jiren Building

		Student Forum 6: Logistics and Infrastructure	Room 303, Jiren Building
		Poster	1st floor, Jiren Building
	13:30-15:20	PLENARY SESSION I: Academic Frontiers	Room 101, Jiren Budling
	15:40-18:00	PLENARY SESSION II: Towards a Smart City	Room 101, Jiren Budling
	13:30-15:20	PLENARY SESSION III: Smarter Urban Mobility	Room 312, Jiren Building
	15:40-18:00	PLENARY SESSION IV: Challenges and Opportunities	Room 312, Jiren Building
	18:30-19:30	Dinner	Chunhe Dining Hall
Sunday, July 9, 2017	08:30-12:10	The 8th COTA-World Bank China Transport Forum	Room 224, Tongxin Building
	08:00-09:50	Spotlight Session VI: Air Transport vs. High-Speed Rail: Competition or Cooperation?	Room 405, Jiren Building
	10:10-12:30	Spotlight Session VII: Technology Frontiers	Room 405, Jiren Building
	08:00-12:30	Invited Session 9 Freeway Operation and Management	Room 211, Jiren Building
		Invited Session 10: Public Transit	Room 311, Jiren Building
		Invited Session 11 Connected and Automated Transportation Systems	Room 210, Jiren Building
		Invited Session 12 Transportation Policy, Planning and Modeling	Room 209, Jiren Building
		Technical Session 1	Room 309, Jiren Building
		Technical Session 2	Room 310, Jiren Building
	08:30-12:00	Transportation Practioner's Forum	Room 124, Tongxin Building
	12:30-13:30	CICTP Best Paper Award and Closing	The Grand Enhance Ballroom, Crowne Plaza
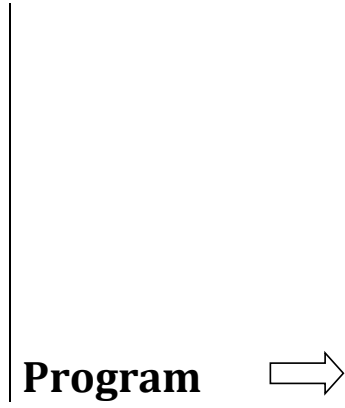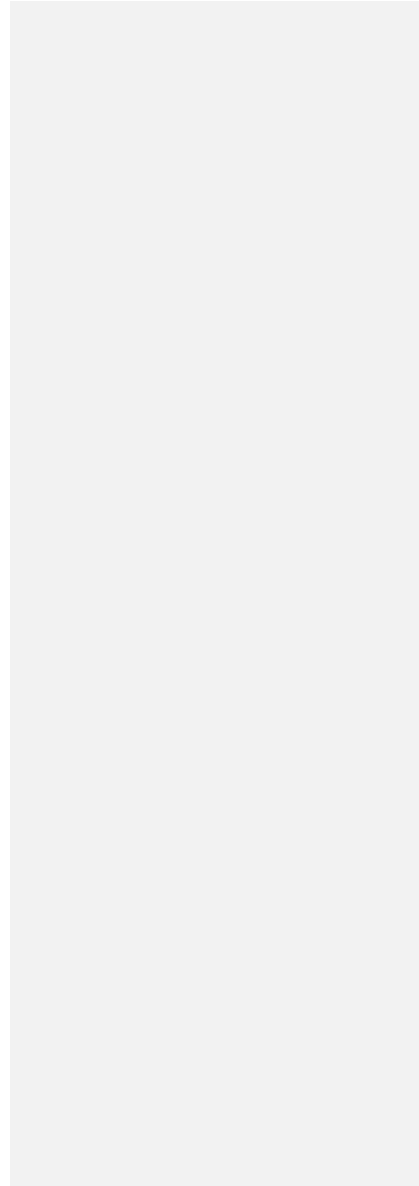
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4

International Forum of Career Development for Students and Young Professionals	13:30-16:30 TongXin Building 124 同心楼 124
Moderators: *Dr. Shanjiang Zhu, Assistant Professor. George Mason University, USA* *Dr. Sean Qian, Assistant Professor, Carnegie Mellon University, USA*	

13:30 – 13:50	Dr. Yanfeng Ouyang, Professor, University of Illinois at Urbana-Champaign, USA
13:50 – 14:10	Dr. Xiaolei Guo, Associate Professor, University of Windsor, Canada
14:10 – 14:30	Dr. Ke Han, Assistant Professor, Imperial College London, UK
14:30 – 14:50	Dr. Xiaobo Qu, Associate Professor, University of Technology Sydney, Australia
14:50 – 15:10	Dr. Xuesong Wang, Professor, Tongji University, China
15:10 – 15:25	*Tea/Coffee Break*
15:25 – 15:45	Dr. Lili Du, Associate Professor, Illinois Institute of Technology, USA
15:45 – 16:05	Dr. Hai Yang, Professor, Hong Kong University of Science and Technology, China
16:05 – 16:30	Panel Discussion

5

Deans' Forum for Transportation Schools	13:30-17:30
Moderator:	**JiRen Building 405**
Dr. Jian Lu, Dean, Professor, College of Transportation Engineering, Tongji University, China	**济人楼 405**
Dr. Yuchuan Du, Vice Dean, Professor, College of Transportation Engineering, Tongji University, China	
13:30 – 17:30	*Invited Only*

Opening Ceremony	**8:30-9:15**
Chair: *Dr. Jian Lu, Dean, Professor, College of Transportation Engineering, Tongji University, China*	**JiRen Building101** **济人楼 101**

Welcome Remarks	
8:30 – 8:35	High Official from the Ministry of Transport, China
8:35 – 8:40	Vice President of Tongji University, China
8:40 – 8:45	Dr. Yu Zhang, President of COTA, Associate Professor, University of South Florida, USA
8:45 – 8:50	Dr. Michael Walton, Professor, University of Texas at Austin, USA

Photographing and Coffee Break	*8:50-9:30*

Keynote Session:	**9:30-12:00**
Chair: *Dr. Yu Zhang, President of COTA, Associate Professor, University of South Florida, USA*	**JiRen Building101** **济人楼 101**

9:30 – 09:55	TBD High Official from the Ministry of Transport, China
09:55 – 10:20	Transformation Development Path Choice of Mega City----Shanghai 2040 Transportation Strategies *Dr. Xiaohong Chen, Professor, Tongji University, China*
10:20 – 10:45	Expectations of Transportation Technology and Operations *Dr. C. Michael Walton, Member of the U.S. National Academy of Engineering (NAE), Professor at the University of Texas at Austin, USA*
10:45 – 11:10	A Revenue-preserving and Pareto-improving Strategy for Managing Transit Peak-hour Congestion *Dr. Hai Yang, Professor, The Hong Kong University of Science and Technology, China*
11:10 – 11:35	Real-time ACC Exploitation for Improved Motorway Traffic Flow *Dr. Markos Papageorgiou, Former Chief Editor of TR-C，Professor at the University of Crete, Greece*
11:35 – 12:00	The Future of Transportation

Friday, July 7

Spotlight Session I: Big Data and Mobility		13:30 – 15:20
Chair: *Dr. Marco Nie, Professor, Northwestern University, USA*		JiRen Building 405 济人楼 405
13:30 – 13:50	The Role of Innovations in Improving Transportation Systems *Dr. Asad Khattak, Professor, University of Tennessee, USA*	
13:50 – 14:10	Adaptive Coordinated Traffic Control for Stochastic Demand *Dr. Hong K. LO, Professor, The Hong Kong University of Science and Technology, China*	
14:10 – 14:30	How can the Taxi Industry Survive the Tide of Ridesourcing? Evidence from Shenzhen, China *Dr. Yu (Marco) Nie, Professor, Northwestern University, USA*	
14:30 – 14:50	Planning of Parking Enforcement Patrol Considering Drivers' Parking Payment Behavior *Dr. Yanfeng Ouyang, Professor, UIUC, USA*	
14:50 – 15:10	Big Data at Didi Chuxing *Dr. Jieping Ye, Vice President of DiD Chuxing, Associate Professor at /University of Michigan Ann Arbor, USA*	
15:10 – 15:20	Q & A	
15:20 – 15:40	*Tea/Coffee Break*	

Spotlight Session II: ITS in Practices		15:40 – 18:00
Chair: *Dr. Jianming Ma, Texas Department of Transportation, USA*		JiRen Building 405 济人楼 405
15:40 – 16:00	The Future of Transportation in Honolulu *Mr. Mark Garrity, AICP, OC Global, Tokyo, Japan*	
16:00 – 16:20	Innovation in Performance Based Traffic Signal Operations in US *Mr. Ken Yang, Senior Engineer, AECOM, Inc., USA*	
16:20 – 16:40	Finance a Mass Transit System – A Case of Honolulu Rail Project *Dr. Honglong Li, Senior Engineer, Hawaii DOT, USA*	
16:40 – 17:00	System Integration Challenges in Large-Scale ITS Projects *Dr. Jingcheng Wu, Ph.D., P. E., Senior Project Manager, HDR, USA*	
17:00 – 17:20	Mitigate Shadow Impacts for Video-based Traffic Data Collection based on Surveillance Camera Signals *Dr. Guohui Zhang, University of Hawaii, USA*	
17:20 – 17:40	Big Data for Better Planning *Mr. Luke Cheng, Regional Director of Citilab, USA*	

8

Meet the Editors-in-Chief Chair: *Dr. Zhen (Sean) Qian, Assistant Professor, Carnegie Mellon University, USA*	**15:40 – 18:00** **Tongxin Building 124** **同心楼 124**
15:40 – 16:00	Opening Remarks and Introduction
16:00 – 16:20	Dr. Kay Axhausen, Editor-in-chief, Transportation
16:20 – 16:40	Dr. Oliver Gao, Editor-in-chief, Transportation Research Part D: Transport Environment
16:40 – 17:00	Dr. Hai Yang, Editor-in-chief, Transportation Research Part B: Methodological
17:00 – 17:20	Dr. Kelvin Cheu, Editor-in-chief, International Journal of Transportation Science & Technology
17:20 – 17:40	Dr. Yafeng Yin, Editor-in-chief, Transportation Research Part C: Emerging Technologies
17:40 – 18:00	Q & A

9

Invited Session 1: Intelligent Transportation System	13:30 – 18:00
Chair: *Dr. Pu Wang, Professor, Central South University, China* ***Co-Chair***: *Dr. Keshuang Tang, Tongji University, China*	**JiRen Building 211** **济人楼 211**

13:30 - 13:40	Opening Remarks *Dr. Pu Wang, Professor, Central South University, China*
13:40 – 14:05	A Social Media Data Based Traffic Sensing System *Dr. Pu Wang, Professor, Central South University, China*
14:05 –14:30	Location Optimization and Release Strategies for Urban Parking Guidance Information System Under Connected Vehicle Environment *Dr. Jian Sun, Professor, Shanghai Jiaotong University, China*
14:30 – 14:55	Analysis of Transport Network Flow with Multi-Source Big Data *Dr. Zhiyuan Liu, Professor, Southeast University, China*
14:55 – 15:20	Individual Travel Graph based Behavior Analysis and Classification for Public Transport Travelers *Dr. Jiancheng Weng, Associate Professor, Beijing University of Technology, China*
15:20– 15:40	*Tea/Coffee Break*
15:40 – 16:05	Smart Transportation in Didi-Chuxing *Mr. Jinqing Zhu, Principal Engineer, Didi-Chuxing, China*
16:05 –16:30	Exploration and Practice of Urban Traffic Intelligent Computing Framework *Dr. Zhaocheng He, Professor, Sun Yat-Sen University, China*
16:30 –16:55	Study on Driver Reaction Time in the Connected Vehicles Environment (#921) *Dr. Xiaoyu Cai, Professor, Chongqing Jiaotong University, China*
16:55 –17:20	Cycle-by-Cycle Estimation of Queue Length and Traffic Volume at Signalized Intersections using Vehicle Trajectory Data *Dr. Keshuang Tang, Associate Professor, Tongji University, China*
17:20 –17:50	Q&A and Open Discussion
17:50 - 18:00	Closing Remarks *Dr. Keshuang Tang, Associate Professor, Tongji University, China*

Invited Session 2: Rail Transit Operation & Management	13:30 – 18:00
Chair: *Dr. Lianbo Deng, Professor, Central South University, China* **Co-Chair:** *Dr. Wei Zhu, Associate Professor, Tongji University, China*	**JiRen Building 311** **济人楼 311**

13:30 – 14:05	LRT Development in Alberta, Canada *Dr. Zheng Luo, Senior Engineer, IBI Group Inc., Canada*
14:05 –14:40	Rescheduling a Metro Line in an Over-Crowded Situation after Disruptions *Dr. Yuan Gao, Associate Researcher, Beijing Jiaotong University, China*
14:40 – 15:15	Optimizing Bus Bridging Services in Response to Disruption of Urban Transit Rail Networks *Dr. Jiangang Jin, Associate Professor, Shanghai Jiao Tong University, China*
15:15– 15:40	*Tea/Coffee Break*
15:40 – 16:15	Fare and Subsidies Strategy for Urban Rail System *Dr. Lianbo Deng, Professor, Central South University, China*
16:15 –16:50	Data-driven Metro Rolling Stock Maintenance Regime Optimization with Integrated Vehicle Health Management (IVHM) *Mr. Di Yang, Engineering Director, Shengtong Bombardier (Shanghai) Rail Transit Vehicle Maintenance Co.ltd, China*
16:50 –17:25	Validating Rail Transit Assignment Models using Cluster Analysis and Automatic Fare Collection Data *Dr. Wei Zhu, Associate Professor, Tongji University, China*
17:25 –18:00	Train Rescheduling Strategies in a Complete Blockage: Compare the Two Rescheduling Strategies Applied in Chinese Railway and Dutch Railway (#76) *Dr. Shuguang Zhan, Assistant Professor, Southwest Jiaotong University, China.*

Invited Session 3: Transportation Geotechnics	13:30 – 18:00
Chair: *Dr. Zhe Luo, Professor, Tongji University, China*	**JiRen Building 210** **济人楼 210**

13:30 – 13:55	Asphalt Concrete Sealing Technique of the High-Speed Railway Subgrade Surface *Dr. Degou Cai, Professor, China Academy of Railway Sciences*
13:55 – 14:20	Discrete Element Simulation and Experimental Study on Cyclical Weakened Behavior of Crushed Stone Subjected to Traffic Load *Dr. Jiangu Qian, Professor, Tongji University, China*
14:20 – 14:45	Numerical Simulations in Ballast Railway Track

11

		Dr. Jun Wang, Professor, Wenzhou University, China
15:10 – 15:55	*Tea/Coffee Break*	
15:55 – 16:20	Arching in Geogrid-Reinforced Pile-Supported Embankments for High Speed Railways *Dr. Xianfeng Liu, Professor, Southwest Jiaotong University, China*	
16:20 – 16:45	Research on Vehicle-Track-Bridge Interactions in Cure Section *Dr. Jin Shi, Professor, Beijing Jiaotong University, China*	
16:45 – 17:10	Simplified Framework for Reliability Analysis of Flexible Pavement Using Mechanistic Empirical Pavement Design Guide *Dr. Zhe Luo, Professor, Tongji University, China*	
17:10 – 17:35	Study on Interface Stress between Railway Ballast and Subgrade Based on Coupled DEM-FDM *Dr. Junhua Xiao, Professor, Tongji University, China*	
17:35 – 18:00	Effect of Rail Weld Irregularities on Dynamic Characteristics of Heavy Haul Railway's Track-Subgrade System (#908) *Dr. Xinwen Yang, Associate Professor, Tongji University, China*	

12

Invited Session 4: Infrastructure Materials and Maintenance **Chair:** *Dr. Feng Li, Professor, Beihang University, China*		**13:30 – 18:00** **JiRen Building 209** **济人楼 209**
13:30 –13:55	Dynamic Response of Asphalt Pavement *Dr. Zejiao Dong, Professor, School Dean Assistant, Harbin Institute of Technology, China*	
13:55 –14:20	Characterizing the Asphalt Pavement Skid Resistance Based on Aggregate Consensus Properties *Dr. Hainian Wang, Professor, Chang'an University, China*	
14:20 – 14:45	Evaluation of Emission and Mechanical Performance of Rubber Warm Mix Asphalt *Dr. Zhanping You, Professor, Michigan Technological University, USA*	
14:45 – 15:10	Microscopic Mechanism Study on the Aging of High SBS Content Modified Asphalt: Characterization and Evaluation *Dr. Weidong Huang, Professor, Tongji University, China*	
15:10 – 15:40	*Tea/Coffee Break*	
15:40 – 16:05	Asphalt Pavement Materials Design in China *Dr. Songtao Lv, Associate Professor, Changsha University of Science & Technology, China*	
16:05 – 16:30	Characterization and Utilization of Stabilized Rubber Asphalt	

16:55 – 17:30	Q & A	

Launching Ceremony of The Big Data Security - Trans Lab & Symposium on Transport System- and Cyber-security Chair: *Dr. Bing Wu, Dean, Professor, College of Transportation Engineering, Tongji University, China*		**13:30 – 17:00 JiRen Building 312 济人楼 312**
13:30-14:00	Registration	
Launching Ceremony of The Big Data Security - Trans Lab		
14:00-14:05	Opening Remarks	Bing Wu	Dean of College of Trans. Eng., Tongji University
14:05-14:15	Welcome Speech	Vice President, Tongji University	
14:15-14:25	Welcome Speech	Chief Engineer, Ministry of Transportation, China	
14:25-14:35	Welcome Speech	Yunkun Wu	Vice Director of National Engineering Lab of The Big Data Security
14:35-14:45	Welcome Speech	Chongqing Guo	"Academician of Chinese Academy of Engineering
14:45-14:55	BiDaS-T Lab	Xinghua Li	Professor Director of The Big Data Security - Trans Lab Executive Vice Dean of National Institute of Innovation and Development，Tongji University
14:55-15:00	Launching Ceremony of The Big Data Security - Trans Lab		
Symposium on Transport System- and Cyber-security		
15:00-15:20	Invited Talk	Luyao Li	Director of Center for China Transport Information Security
15:20-15:40	Invited Talk	Hongduo Zhao Wanjing Ma	Professor, College of Transportation Engineering, Tongji University
15:40-16:00	Invited Talk	Jianhao Liu	Director of Skygo Lab, 360
16:00-16:20	Invited Talk	Bo Liu	Senior Vice President of DBAPPSecurity
16:20-16:40	Invited Talk	Qinghua Yang	Vice President of Hillstone Networks
16:40-17:00	Invited Talk	Xiaohu Ye	Senior Vice President of NSFOCUS
18:00-19:30	Reception（Urban Island Hotel Shanghai）		

13

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Friday, July 7

14

Workshop：Connected Vehicle Research and Open Source Cloud Microscopic Traffic Simulation **Chairs:** *Dr. Li Zhang, President, New Global Systems for Intelligent Transportation Management* *Dr. Yunlong Zhang, Professor, Department of Civil Engineering, Texas A&M* *Dr. Mingzhou Jin, Professor, University of Tennessee, Knoxville*	**13:30 – 18:10** **JiRen Building 309** **济人楼 309**
Introductions	*13:30-13:45*
Session I (Li Zhang, Mingzhou Jin)	*13:45– 14:30*

13:45 – 14:00	Connected Vehicle Research Hardware/ Communication in the Loop Simulation Platform
14:00 – 14:15	ETFOMM and Connected Vehicle Research
14:15 – 14:30	Surrogate Safety Assessment Model

Session 2: Advanced Computing in ETFOMM/SSAM and Model Validations/ Calibrations (Li Zhang, Yunlong Zhang)	*14:30 – 15:20*
14:30 – 14:55	Advanced Computing in ETFOMM/SSAM
14:55 – 15:20	Model Validations/Calibrations

Tea/Coffee Break	*15:20 – 15:40*

Session 3: Hands-on or Demo of ETFOMM/SSAM APIs (Li Zhang, Yunlong Zhang)	*15:40 – 17:00*
15:40 – 16:10	Traffic Signal Control
16:10 – 16:40	Freeway Vehicle Movement
16:40 – 17:00	SSAM APIs

Session 4: ETFOMM/SSAM Examples (Li Zhang, Yunlong Zhang)	*17:00 – 18:10*
17:00 – 17:10	Roundabout
17:10 – 17:20	Simple Freeway with Ramps
17:20 – 17:30	Simple Freeway with Weavings
17:30 – 17:40	Arterial with Coordination
17:40 – 17:50	Complicated Freeway to Freeway Interchanges
17:50 – 18:00	Diamond Interchanges
18:00 – 18:10	Diverging Diamond Interchanges

Spotlight Session III: Connected and Autonomous Driving
Chair: *Dr. Kelvin Cheu, Professor, University of Texas El Paso, USA*

8:00 – 9:50
JiRen Building 405
济人楼 405

08:00 – 08:20	Constrained Optimization and Distributed Computation based Car Following Control of A Connected and Autonomous Vehicle Platoon *Dr. Lili Du, Assistant Professor, Illinois Institute of Technology, USA*
08:20 – 08:40	Macroscopic Model for Spatiotemporal Information Propagation Wave in a Congested Vehicle-to-vehicle Communication Environment *Dr. Xiaozheng He, Assistant Professor, RPI, USA*
08:40 – 09:00	Ridesharing with Autonomous Vehicles Considering Activity Duration Uncertainty *Dr. Xiaolei Guo, Associate Professor, University of Windsor, Canada*
09:00 – 09:20	Potential Implications of Autonomous Vehicle Technologies on Travel Behavior *Dr. Xia Jin, Associate Professor, Florida International University, USA*
09:20 - 09:40	Impact of Vehicle Automation on Emission and Ride Comfort *Dr. Simon Hu, Research Fellow (Assistant Professor), Imperial College London, UK*
09:40 – 09:50	Q & A
9:50 – 10:00	*Tea/Coffee Break*

Spotlight Session IV: Frontiers in ITS Data and Modeling
Chair: *Dr. Ping Yi, Professor, University of Akron, USA*

10:00-12:30
JiRen Building 405
济人楼 405

10:00 – 10:20	Optimization Multi-Vehicle Longitudinal Trajectories based on Simple Car-following Models *Dr. Xuesong Zhou, Associate Professor, Arizona State University, USA*
10:20 – 10:40	Modeling Congestion Effect of E-Hailing Services *Dr. Jeff Ban, Associate Professor, University of Washington Seattle, USA*
10:40 - 11:00	Statistical Inference of Probabilistic Origin-destination Demand using Day-to-day Traffic Data *Dr. Sean Qian, Assistant Professor, Carnegie Mellon University, USA*
11:00 – 11:20	Incorporating roadway safety into a personal navigation application *Dr. Xiao Qin, Associate Professor, University of Wisconsin Milwaukee, USA*
	Measuring Network-Wide Freeway Performance using Multi-Source Data

15

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Saturday, July 8

	Dr. Kelvin Cheu, Professor, University of Texas El Paso, USA
12:00 – 12:20	Development and Testing of a Real-Time Performance Evaluation System for an Urban Traffic Network *Dr. Ping Yi, Professor, University of Akron, USA*
12:20-12:30	Q & A

Spotlight Session V: Driving Simulator **Chair:** *Dr. Xuesong Wang, Professor, Tongji University, China*	**8:30 – 12:30** **TongXin Building 224** **同心楼 224**

16

Session I: Driving behavior research using driving simulators	
8:30-8:35	Opening Remarks
8:35-8:55	Improved Driver Responses with Green and Red Signal Countdown timers *Dr. David Hurwitz, Associate Professor, Oregon State University, USA*
8:55-9:15	How Does Intersection Field of View Influence Driving Safety in an Emergent Situation? *Dr. Xuedong Yan, Professor, Beijing Jiaotong University, China*
9:15-9:35	A Driver Behavior Study on Handover Issues in Autonomous Driving based on Driving Simulator. *Dr. Hui Zhang, Wuhan University of Technology, China*
9:35-9:55	Title TBD *Dr. Yan Gao, Associate Research Fellow Traffic Management Research Institute of the Ministry of Public Security, China*
9:55-10:15	Effects and Optimization Method of Traffic Control Devices on Driving Behavior *Dr. Xiaohua Zhao, Professor, Beijing University of Technology, China*
10:15-10:35	Coffee/Tea Break
Session II: State of art in driving simulation techniques and applications	
10:35-10:55	Virtual Traffic Environment for Driving Simulator *Dr. Hu Su, Southwest JiaoTong University, China*
10:55-11:15	Training Bus Drivers Using Driving Simulator: a Singapore application *Dr. Chen Chai, Associate Research Fellow, Tongji University, China*
11:15-11:35	Application of Driving Simulator in Road Design and Optimization *Dr. Weihan Zhang, Road Safety Research Center of Research Institute of Highway Ministry of Transportation, China*
11:35-11:55	Application of Tongji University Driving Simulator in Traffic Safety Studies *Dr. Xuesong Wang, Professor, Tongji University, China*
11:55-12:30	Discussion and Closure of the forum

Invited Session 5: Traffic Safety	**8:00 – 12:30**
Chair: *Dr. Mohammed Quddus, Loughborough University, UK*	**JiRen Building211** 济人楼 211

8:00 – 8:35	Variable Speed Limit Systems for Road Safety Improvement *Dr. Helai Huang, Vice Dean of School of Traffic and Transportation Engineering, Central South University, China*
8:35 – 9:10	Data Mining of Pedestrian-vehicle Traffic Events for the Evaluation of Driving Strategy of Automated Vehicle *Dr. Quan Yuan, Associate researcher, Tsinghua University, China*
9:10 – 9:45	Development of Real-time Crash Risk Assessment Model with Limited Data *Dr. Chengcheng Xu, Assistant Professor, Southeast University, China*
9:45 – 10:10	*Tea/Coffee Break*
10:10 – 10:35	New Thoughts for Urban Expressway Real-time Crash Risk Analysis *Dr. Rongjie Yu, Associate Professor, Tongji University, China*
10:35 – 11:00	Management Method and Application of Eco-Driving Behavior Optimization *Dr. Yiping Wu, Beijing University of Technology, China*
11:00 – 11:25	Driving Characteristics and Safety Analysis Using Field Operational Tests Data *Dr. Nengchao Lyu, Associate Professor, Wuhan Technology University, China*
11:25 – 11:50	Research on Driver's Attention Characteristics in Multiple Risk Traffic Situation (#527) *Dr. Huasen Wan, Associate Professor, Kunming University of Science and Technology*
11:50 – 12:15	Vehicle Trajectory Typologies at Curved Sections of Complex Two-Lane Mountain Roads (#40) *Dr. Jin Xu, Professor, Chongqing Jiaotong University*
12:15 – 12:30	Q & A

Invited Session 6: Network Modeling	**8:00 – 12:10**
Chair: *Dr. WY Szeto, Associate Professor, The University of Hong Kong, China*	**JiRen Building 311** 济人楼 311

8:00 – 8:30	Reliability-Based Stochastic Transit Assignment: Formulations and Capacity Paradox

17

Saturday, July 8

9:00 – 9:30	Statistical Metamodeling of Dynamic Network Loading *Dr. Ke Han, Assistant Professor, Imperial College London, UK*
9:30 – 9:45	PTV Vision Traffic Software Applications in New Era *Dr. Chang Shen, Senior Customer Service Manager, PTV China, China*
9:45 – 10:00	*Tea/Coffee Break*
10:00 – 10:30	Dynamic Traffic Assignment in Degradable Networks: Paradoxes and Formulations with Stochastic Link Transmission Model *Dr. Jiancheng Long, Professor, Hefei University of Technology, China*
10:30 –11:00	Are We Really Solving the Dynamic Traffic Equilibrium Problem with a Departure Time Choice? *Dr. Ren-Yong Guo, Professor, Beihang University, China*
11:00 –11:30	Maximizing Route Diversity Redundancy in Network Design Problem *Dr. Xiangdong Xu, Associate Professor, Tongji University, China*
11:30 –12:00	Stochastic Traffic Assignment Paradox Analysis Considering Congestion Effect (#522) *Dr. Jia Yao, Associate Professor, Harbin Institute of Technology, China*
12:00 – 12:10	Q & A

18

Invited Session 7: Risk Management for Autonomous Vehicles and Smart Transportation **Chair:** *Dr. Huizhao Tu, Professor, Tongji University, China* **Co-Chair:** *Dr. Saini Yang, Professor, Beijing Normal University, China*		**8:00 – 12:20** **JiRen Building210** **济人楼 210**
8:00 – 8:25	Driving with Automation *Dr. Bart van Arem, Professor, TUDelft, The Netherlands*	
8:25– 8:50	*Strategic Thinking of Modern and Comprehensive Development of the Transportation Informationization* *Dr. Desheng Cao, Director General, China Transport Telecommunications & Information Center, China*	
8:50 – 9:15	An Analytical Approach for Cascading Effects within Critical infrastructure systems *Dr. Saini Yang, Professor, Beijing Normal University, China*	
9:15 – 9:40	Next-Generation Urban Management: When Human Mobility Modeling Meets Big Data *Dr. Xuan Song, Project Associate Professor, The University of Tokyo, Japan*	
9:40 – 10:00	*Tea/Coffee Break*	
	Application of Generalized Betweenness to Access the Criticality of Components in Transport	

	Dr. Huizhao Tu, Professor, Tongji University, China
10:50 –11:15	The Blueprint of ICV (Internet of Vehicles) Based on Vehicle CyberSecurity *Dr. Jianhao Liu, Director, 360 ICV Cybersecurity lab, China*
11:15 –11:40	An Agent based Modeling of Unplanned Infrastructure Network Disruptions for Evidence-Driven Resource Allocation and Retrofitting *Dr. Haizhong Wang, Assistant Professor, Oregon State University, USA*
11:40 –12:05	Risk Assessment of Transportation Infrastructure System Subject to Natural Hazards *Dr. Kai Liu, Associate Professor, Beijing Normal University, China*
12:05 – 12:20	Discussions

Invited Session 8: Intelligent & Green Highway **Chair:** *Dr. Hui Li, Green & Smart Highway: Overview of Integrated Technologies, Tongji University, China*	**8:00 – 12:30** **JiRen Building209** **济人楼 209**

8:00 – 8:35	Intelligent Decision-Making in Highway Maintenance Programming *Dr. Haizhu Lu, Research Engineer, Jiangsu Expressway Engineering Maintenance Technology Center*
8:35 –9:10	The Concept of Smart Road *Dr. Hongduo Zhao, Professor, Tongji University, China*
9:10 – 9:45	Green & Smart Highway: Overview of Integrated Technologies *Dr. Hui Li, Professor, Tongji University, China*
9:45 – 10:00	*Tea/Coffee Break*
10:00 –10:35	TBD *Dr. Jiupeng Zhang, Assistant Professor, Chang'an University, China*
10:35 – 11:10	Key Technology and Engineering Application of Green and Safety Functional Asphalt Pavement *Dr. Sang Luo, Associate Professor, Southeast University, China*
11:10 – 11:45	Evaluation of Emission and Mechanical Performance of Rubber Warm Mix Asphalt *Dr. Zhanping You, Professor, Michigan Technological University, USA*
11:45 – 12:30	Q & A

19

Saturday, July 8

2nd Smart City-Driven Traffic Information Engineering and Control Discipline Development Forum	8:00 – 12:30
Organizing Committee Chair: Dr. Heng Wei, Professor, University of Cincinnati	**JiRen Building312** **济人楼 312**

Opening Remarks	
Moderator	*Dr. Yinhai Wang, Forum Steering and Advisory Committee Member; Professor, University of Washington, USA.*
8:05 – 8:10	*Dr. Heng Wei, Forum Organizing Committee Chair; Professor, University of Cincinnati, USA.*
8:10 – 8:15	*Dr. Jizhen Guan, Forum Steering and Advisory Committee Chair; Chairman of the Board, Beijing Stone ITS Integration Co., Ltd., China.*
Invited Presentation: State-of-the-Art Transportation Technology Innovations	
Moderator	*Dr. Xiaoguang Yang, Forum Steering and Advisory Committee; Professor, Tongji University, China.*
8:20 –8:40	Data-driven Traffic Signal Control
	Dr. Yunpeng Wang, Forum Steering and Advisory Committee Co-Chair; Vice President, Beijing University of Aeronautics and Astronautics, China.
8:40 –9:00	Progress of Connected Vehicle Research and Testing Technology
	Dr. Xiangmo Zhao, Forum Steering and Advisory Committee Member; Vice President, Chang'an University, China.
Invited Presentation: Smart Transportation Data and Information	
Moderator	*Dr. Heng Wei, Forum Organizing Committee Chair; Professor, University of Cincinnati, USA.*
9:05 –9:25	OpenITS Data Development and Application Mechanisms
	Dr. *Zhi Yu, Forum Steering and Advisory Committee Member; Professor, Sun Yat-sen University, China.*
9:25 – 9:45	Creative Development of Internet Big Data and Smart Transportation
	Mr. Zhenning Dong, Vice President, Alibaba-Autonavi Software Co., Ltd., China.
9:45 – 10:00	Tea/Coffee Break
Invited Presentation: Highlight of Practical Problems	
Moderator	*Dr. Hai Yang, Forum Steering and Advisory Committee Member; Professor, Hong Kong University of Science and Technology, China.*
10:05 – 10:25	Emerging Challenges and New Development of ITS
	Dr. Jizhen Guan, Forum Steering and Advisory Committee Chair; Chairman of the Board, Beijing Stone ITS Integration Co., Ltd., China.
	Traffic System Health Analysis and Intelligent Diagnosis - The New Direction of Traffic Information and Control Discipline Development

Saturday, July 8

Moderator	*Dr. Guohui Zhang, Forum Organizing Committee, Assistant Professor, University of Hawaii at Manoa, USA; Dr. Wanjing Ma, Forum Organizing Committee, Professor, Tongji University, China; Dr. Xiaofeng Chen, Forum Organizing Committee, Associate Professor, Northwestern Polytechnic University, China.*
10:50 –12:10	Participants: Domestic and international experts and scholars, department heads, chairmen, and leaders from the relevant research institutes and universities Discussion Topics: 1. Connected vehicle-based information sharing and control coordination: technology innovation and education integration 2. Big data initiative-driven traffic information sharing and knowledge extraction: the strength and weakness of the existing traffic information engineering and control discipline to lead this effort 3. The opportunities and challenges of traffic information engineering and control discipline growth under smart city initiatives: • Opportunities and collaborations for National Science Foundation China (NSFC) application • Enhanced scholarship and achievement recognition by the top journals 4. In-depth control discipline collaboration, resources sharing, and education enhancement
Closing Remarks	
12:10 – 12:20	*Dr. Zhang, President of COTA; Associate Professor, University of South Florida, USA.*
12:20 –12:30	*Dr. Yinhai Wang, Forum Advocate and Steering and Advisory Committee Member; Professor, University of Washington, USA.*

21

Saturday, July 8

COTA's Special Forum on Traffic Signal Control Practices	8:30 – 17:30 JiRen Building124 济人楼 124

8:30 – 8:40	Opening *Dr. Zongzhong Tian, Professor, University of Nevada Reno, USA*
Session 1: Practical-Oriented Traffic Signal Control Theories	
Moderator	*Dr. Keping Li, Professor, Tongji University, China*
8:40 – 9:05	Fill the Enlarging Gap between Traffic Signal Research and Practice: Theories, Modeling and Computing *Dr. Pengfei Li, Assistant Professor, Mississippi State University, USA*
9:05 – 9:30	Progression Optimization Considering Vehicular Origin and Destination Information *Dr. Yuanchang Xie, Associate Professor, University of Massachusetts, Lowell, USA*
9:30 – 9:55	Energy-Optimal Signal Control for Electric Vehicles under V2X Environment *Dr. Xinkai Wu, Assistant Professor, California State University, Pomona, USA & Beijing University of Aeronautics and Astronautics, China*
9:55 – 10:20	Optimization of Vehicle and Pedestrian Signals at Isolated Intersections *Dr. Wanjing Ma, Professor, Tongji University, China*
10:20 – 10:40	Tea/Coffee Break
Session 2: Sharing the Successful Stories and Experiences of Signal Control Practices	
Moderator	*Dr. Wei Liu, Professor, Chongqing Jiaotong University, China*
10:40 – 11:05	Traffic Signal Management Service in China - Mode and Simple Cases *Dr. Ningning Chen, Guangdong Zhenye UCTRLl Technology Corp. Ltd, China*
11:05 – 11:30	Interpretation of the Key Codes for Intersection Signal Control – The Case of Anhui Province *Dr. Keping Li, Professor, Tongji University, China*
11:30 – 11:55	Multi-source Data Based Arterial Signal Coordination Performance Evaluation *Mr. Aobo Wang, University of Nevada, Reno, USA*
11:55 – 12:20	Sharing the Experience of Signal Control Applications in City of Shanghai *Mr. Ruwen Han, Shanghai Traffic Police Corps, China*
Session 3: New Technologies and Techniques for Improving Signal Control Practice	
Moderator	*Dr. Ruimin Li, Professor, Tsinghua University, China*
14:00 – 14:25	Comparison of Adaptive Signal Control Systems

14:50 – 15:15	Traffic Signal Optimization with Didi's Vehicle Trajectory Data *Dr. Weili Sun, University of Michigan, Ann Arbor, USA*
15:15 – 15:35	Traffic Signal Control Strategies and Benefits at Connected Vehicle Arterials *Dr. Li Zhang, Associate Professor, Mississippi State University, USA*
15:35 – 16:00	How Can Connected Vehicles Improve Urban Traffic Signal Control? *Dr. Zhijun Qiu, Associate Professor, University of Alberta, Canada*
Session 4: Roundtable Discussions	
Moderator	*Dr. Zongzhong Tian, Professor, University of Nevada Reno, USA*
16:00 – 17:30	Dr. Keping Li, Dr. Henry Liu, Dr. Fusheng Zhang, Mr. Xiaogang Wang, Mr. Gao Dai, Mr. Ruwei Han, Mr. Sunrong Yan

Student Forum 1：Traffic Flow Theory and Network Chair: *Yuqi Guo, Beijing University of Technology, China*	**8:00 – 12:30** **JiRen Building201** **济人楼 201**

8:00 – 8:08	Dijkstra-based Dynamic Algorithm for Strongest Road Capacity (#1138) *Teng Long*
8:08 – 8:16	Traffic Density Estimation of Urban Freeway by Dynamic Model based Distributed State Observer (#456) *Yuqi Guo*
8:16 – 8:24	A New Car-Following Model Accounting for Multi-Preceding Cars' Optimal Velocity Changes and Backward Looking Effects (#680) *Tenglong Li*
8:24 – 8:32	An Optimized Hybrid Lane-Based Short-Term Urban Traffic Forecasting Using Artificial Neural Network and Locally Weighted Regression Models (#652) *Asif Raza*
8:32 – 8:40	Causal Analysis on Travelers' Perceptions in Traffic States (#883) *Heng Shi*
8:40 – 8:48	Spatial Scale Analysis and Layout Optimization of Commuting Circle Based on One-hour's Law: A Case Study of Shanghai Metropolis (#1021) *Xiang Zhou*
8:48 – 8:56	Fundamental Diagram and Passenger Comfort of Mixed Traffic Flow Consisting of Adaptive Cruise Control Vehicles and Manual Vehicles (#31)

Saturday, July 8

24

9:04 – 9:12	Effect of Geometric Features of Horizontal Curves on Trajectory and Speed of Vehicle under Driving Pattern of Curve Cutting (#72) *Wei Lin*
9:12 – 9:20	Travel Behavior Analysis of Event-Related Urban Rail Transit Passengers during Large Special Event (#932) *Xingchuan Wang*
9:20 – 9:28	Optimization Model of Signalized Intersections Considering Vehicle Emission Characteristics (#113) *Jingya Zhao*
9:28 – 9:36	Irregular Merging Behavior at Un-Signalized T-intersection (#497) *Pengying Ouyang*
9:36 – 9:44	Spatial Analysis for the Usage of Ride-sourcing Services using Geographically Weighted Regression (#239) *Jie Bao*
9:44 – 9:52	Road Congestion Pricing Based on Bi-level Programming Model (#926) *Shiwen Zhang*
9:52 – 10:00	Tea/Coffee Break
10:00 – 10:08	Modelling and Algrithm of Transfer Stations' Train Timetable Coordination in Urban Rail Network (#816) *Ying Guo*
10:08 – 10:16	Site Optimization Design of Urban Rail Transit Feeder Bus Routes (#247) *Chen Sang*
10:16 – 10:24	Traffic Congestion Predicting Based Long-Short Term Memory Neural Networks (#623) *Min Chen*
10:24 – 10:32	The Method of Successive Averages and Method of Successive Weighted Averages for Logit-Based Stochastic User Equilibrium Assignment (#95) *Manyuan Zhang*
10:32 – 10:40	Optimizing Bus Bridging Strategies During Metro Disruptions Considering Bridging Time and Passenger Delays (#533) *Wei Gu*
10:40 – 10:48	Improved Social Force Model Considering Social Groups with Heterogeneity (#580) *Yan Feng*
10:48 – 10:56	The Payment Willingness of The Multi-Level Public Transport Based on Conjoint Analysis Model (#790)

11:04 – 11:12	Research on Formation Mechanism and Recognition Method of Traffic Congestion: Brief Review and New Development (#1104) *Kequan Chen*
11:12 – 11:20	A Study of Snowfall Impact on Mode Choice Behavior (#585) *Zijing Lin*
11:20 – 11:28	A System Dynamics Model for Congestion Formation Mechanism at Intersection Group (#22) *Xiangjian Luo*

Student Forum 2：Traffic Planning and Operation（I） **Chair:** *Tong Liu, Chang'an University, China*	**8:00 – 12:30** **JiRen Building202** **济人楼 202**

8:00 – 8:08	Perspectives of Opening a Gated Community and Its Effect (#109) *Tianqi Gu*
8:08 – 8:16	The Effect of Different Drowsiness Level on Driving Suitability Test Results (#1129) *Tong Liu*
8:16 – 8:24	Investigating Sideslip of Semi-Trailer Combination Vehicle on Curved Downslope Expressway Segment by Simulation (#716) *Guixian Qu*
8:24 – 8:32	Delay Analysis for Cars near the Curbside Bus Stop under Traffic Conflict Based on CPH Model (#606) *Aihua Fan*
8:32 – 8:40	Towards Comprehensive Threat Modeling for Intelligent Vehicle Cyber (#249) *Haojie Ji*
8:40 – 8:48	Research on Curve Radius Design Based on the Car-Road Coupling Mechanism (#60) *Qiang Tu*
8:48 – 8:56	Study on the Improvement of Highway Transportation Service (#1011) *Mengfei Cao*
8:56 – 9:04	Analysis on Transportation Multi-Mode Choice Behavior A Case Study of Suzhou, China (#910) *Fanglei Jin*
9:04 – 9:12	Research on the Influence of built environment of urban village on travel mode choice in Shenzhen (#212) *Le Yu*
	Human Imitated Traffic Signal Control Strategy (#832)

26

	Jinlong Li
9:28 – 9:36	Benefit Zone Analysis of the Shared Lane Design at Signalized Intersections in China (#250)
	Jiaming Wu
9:36 – 9:44	Development of A Database for Domestic System Interchanges (#1114)
	Hao Zhou
9:44 – 9:52	Game Theory based Signal Control for Single Intersection in Intelligent Vehicle Infrastructure Cooperation Systems (IVICS) Circumstances (#264)
	Liu Yang
9:52 – 10:00	Tea/Coffee Break
10:00 – 10:08	Transit Mixed Lane Management with Congestion Fee Based Control Technology Study：A New HOT Transit Lane Method (#701)
	Chao Zhao
10:08 – 10:16	Research on Design and Simulation of Dynamic Performance of Pure Electric Vehicle Based on ADVISOR (#405)
	Ke Gong
10:16 – 10:24	Control Method of Variable Speed Limits for Freeway under Foggy Weather Conditions (#67)
	Shan Zhang
10:24 – 10:32	Analysis of Travel Time Reliability for Beijing Jingtong Expressway (#957)
	Jiaxian Li
10:32 – 10:40	Consensus-based Algorithm and Experimental Verification of Intelligent Vehicle Formation (#393)
	Hong Guan
10:40 – 10:48	Random Forests for Freeway Short-Term Traffic Speed Prediction (#474)
	Hongyu Zheng
10:48 – 10:56	Application of ARIMAX Model on Forecasting Freeway Traffic Flow (#429)
	Mofeng Yang
10:56 – 11:04	An Evaluation Method of Urban Rail Transit Line Network for Valley City Based on Set Pair Analysis (#1069)
	Zhaoguo Huang
11:04 – 11:12	Mathematical Models for the Matching and Routing Problem of Customized Bus Service with Multiple Origins and Destinations (#91)
	Kai Huang
11:12 – 11:20	Ticket Price Sensitivity Analysis of High-Speed Railway Passenger (#1133)

Chair: *Wenliang Jian, Tongji University, China*	JiRen Building203 济人楼 203
8:00 – 8:08	Gradient Boosting Regression Tree for Traffic Flow Prediction Considering Temporal (#609) *Shuaichao Zhang*
8:08 – 8:16	Value of Time for Inland Leg of International Containerized Transport in China (#944) *Wenliang Jian*
8:16 – 8:24	Research on the Applicability of Different Kinds of Entrance and Exit Combination Modes on Urban Expressway (#448) *Chenqiang Liu*
8:24 – 8:32	Research of the characteristics of pupils' commuting trip in peak hours based on questionnaire investigation (#457) *Changmei Dongye*
8:32 – 8:40	Analysis of Urban Parking Characteristics and Evaluation of Parking System – With Xi'an as Example (#475) *Chenlin Fu*
8:40 – 8:48	Research on Road Network Planning of Small and Medium-sized Cities of Mountainous Areas Using Nanhua County As a Case (#195) *Shuai Chen*
8:48 – 8:56	Parking Location Choice Model in Mixed Residential and Commercial Land Considering Parking Sharing Policy (#345) *Wenbo Huang*
8:56 – 9:04	Data-driven Operation Characteristics Analysis of Traditional Taxis and TNC Cars (#675) *Pengfei Lin*
9:04 – 9:12	Research on Dynamic Nature of Dilemma Zone at Signalized Intersection (#61) *Huilin Zhang*
9:12 – 9:20	Social Media Application for Illegal Parking Problem (#175) *Bo Wang*
9:20 – 9:28	Optimization Method of Cycle Time in Signalized Intersection (#222) *Xiaotong Ma*
9:28 – 9:36	Research on the Parking Supply Strategy of the Old Community based on Livable Environment (#1182) *Shuang Li*
	Discussion on the Planning and Design of Taxi Service Center——A Case Study of Jiangning

27

	(#350) *Junwei Yu*
9:52 – 10:00	*Tea/Coffee Break*
10:00 – 10:08	A Road Maximum Flow Control Method Based on Mixed Model (#1246) *Lianhua An*
10:08 – 10:16	The Elderly's Joint Choice Behavior of Travel Mode and Departure Time in Shenzhen (#183) *Yeqin Wang*
10:16 – 10:24	Characteristics Analysis and Simulation of Road Construction Zone (#703) *Xiuhan Yang*
10:24 – 10:32	Research on the Setting Method and Applicability of Comprehensive Waiting Area at Signalized Intersections in Shenzhen (#660) *Yifan Xiang*
10:32 – 10:40	Optimization of One-way Traffic Organization in the Old City：A Case Study in Nanqiao New Town (#979) *Sijin Long*
10:40 – 10:48	Research on Urban Street Design and Traffic Management in Historical District (#185) *Zhao Fang*
10:48 – 10:56	Improvement of Multi - modal Passenger Traffic Impedance Model in Integrated Transportation Network (#445) *Yi Zhu*
10:56 – 11:04	Impact Analysis of Non-Motor Vehicles on Buses' Stopping Process at Bus Stops (#1029) *Zhiling Han*
11:04 – 11:12	Research on Bus Priority Control of Intersection Downstream Stop (#200) *Danting Zhao*

28

Student Forum 4：Green Traffic	8:00 – 12:30
Chair: *Hong Lang, Tongji University, China*	**JiRen Building301** **济人楼 301**
8:00 – 8:08	Urban Commuting CO_2 Emission Model and Implications for the Low Carbon Dioxide Transport Development in Dongguan, China (#627) *Zihe Zhang*
8:08 – 8:16	A Review of 3D Pavement Automatic Measurement System (#975) *Hong Lang*

8:24 – 8:32	Research on Calculating Model of Urban Public Transport Financial Subsidy (#1218) *Xueke Shang*
8:32 – 8:40	Factor Comparison between Electric-tricycle Crashes and Manpower-tricycle Crashes (#1237) *Cheng Li*
8:40 – 8:48	Vehicle Emission Estimation Based on Video Tracking of Vehicle Trajectories (#237) *Qiangyang Xia*
8:48 – 8:56	Analysis of Transit Bus Emission Along an Urban Corridor based on the CAN Bus Data and IC Card Data (#1060) *Chengcheng Song*
8:56 – 9:04	A Study on the Differences between Bicycle Travelers' Fatigue Perception and Physical Expenditure (#653) *Jialiang Xue*
9:04 – 9:12	Bike Rental Station Deployment Planning in Xi'an (#359) *Xiaotian Zhang*
9:12 – 9:20	Investigation and Analysis of Metro Noise in Xi'an (#360) *Hanxuan Dong*
9:20 – 9:28	Estimation on Life-cycle CO_2 Emissions from Freeway Greening Engineering (#374) *Di Li*
9:28 – 9:36	The Estimation on Life-cycle CO_2 Emissions of Typical Freeway Passenger Vehicles (#380) *Shuo Feng*
9:36 – 9:44	Analysis of Public Bicycle Sharing Network Based on Complex Network Theory (#174) *Chunliang Wu*
9:44 – 9:52	Estimating the Most Likely Space-time Paths of Subway Passenger from Automatic Fare Collection Data: A Time Geography Method (#786) *Xing Chen*
9:52 – 10:00	*Tea/Coffee Break*
10:00 – 10:08	Timetable Optimization of Urban Rail Transit: A Flexible Skip-stop Scheme (#862) *Peitong Zhang*
10:08 – 10:16	Validation the Generality of the Passenger Disregarded Train Dwell Time Estimation Model (#557) *Yonghao Yin*
10:16 – 10:24	Congestion Degree Classification for Urban Rail Transit System Based on Hierarchical Cluster Analysis (#956)

29

	Zhuoqun Wang
10:32 – 10:40	Planning and Design of Urban Bus Microcirculation System based on Bi-level Programming (#161) *Haoyu Zhang*
10:40 – 10:48	Research on Bike Sharing Routing and Scheduling Optimization Based on Different Period (#252) *Jing Kong*
10:48 – 10:56	Research On Vehicle Scheduling Model of Shuttle Bus under Intelligent Transportation System (#453) *Li Zhang*
10:56 – 11:04	The Utilization Analysis of Long-distance Bus Based on Smart Card Data (#466) *Qianyang Zhao*
11:04 – 11:12	Creating Bus Timetables with Maximal Synchronization by a New Algorithm Based on the PSO (#1251) *Wenhao Liu*
11:12 – 11:20	A Feasibility Study on the Application of Flexible-route Bus System in Chinese Medium and Small-Sized Cities (#314) *Ruoxiao Feng*
11:20 – 11:28	MRT Ridership Forecast at Station Level – A Case Study in Wuhan (#459) *Ruili Guo*

30

Student Forum 5：Traffic Safety and Driving Behavior	**8:00 – 12:30**
Chair: *Lian Xie, Wuhan University of Technology, China*	**JiRen Building302** **济人楼 302**

8:00 – 8:08	DSRC-Based Rear-End Collision Warning Application for Android Smartphone (#337) *Shoucai Jing*
8:08 – 8:16	Effects of Freeway Alignment on Driving Performance and Workload Based on Simulated Driving (#1093) *Lian Xie*
8:16 – 8:24	Hazard-based Model of Mandatory Lane Change Duration (#881) *Jiangling Wu*
8:24 – 8:32	Research on the Application of Vehicle Tail Light Identification Algorithm in Traffic Safety (#783) *Jian Zhong*

8:40 – 8:48	Understanding Road Rage: Insights from a Synthesis of Research (#260) *Xiaohui Xu*
8:48 – 8:56	Research on Influencing Factors of Driver's Reaction Time Based on AHP (#549) *Jianlin Jia*
8:56 – 9:04	Research on the Influence of Different Green Tail Signal Switching Patterns on Traffic Safety at Intersections (#968) *Xuyan Weng*
9:04 – 9:12	Analysis of Factors Affecting Safety at Intersections with Left-Turn Waiting Areas Utilizing Ordered Logit Model (#637) *Mengying Li*
9:12 – 9:20	Leisure Footpath Walking Speed and Dimension Analysis Considering Pedestrian Distinction (#988) *Xueqi Lei*
9:20 – 9:28	A Multi-Objective Model of Railway Rescue Center Location for Emergency (#782) *Min Ling*
9:28 – 9:36	Analysis of the effect of Warning Facilities on Driving Behavior at Un-Signalized Intersections (#1170) *Bozhao Shen*
9:36 – 9:44	Driver's Warning Threshold Choice in Rear-end Collision Avoidance System Under Different Speeds (#874) *Chenxuan Yang*
9:44 – 9:52	A Method of Prioritizing Intersection Improvement in Satellite Cities Based on Risk Management (#919) *Xiaowan Ge*
9:52 – 10:00	Tea/Coffee Break
10:00 – 10:08	Statistical Analysis of Metro Operational Accidents in Shanghai and Safety Countermeasures (#929) *Xiaoli Ma*
10:08 – 10:16	Vehicle Lane Changing Model based on Genetic Algorithm and Random Utility (#135) *Qiannan Ai*
10:16 – 10:24	An Analysis on Conformity Violation Road-crossing Behavior of Students based on Bass Model (#286) *Weishan Wang*

31

	Bowen Dong
10:40 – 10:48	Use of a Driving Simulator to Evaluate Pedestrian-vehicle Conflicts with Different Potential Risk Factors at Signalized Intersections (#173) *Jiawei Wu*
10:48 – 10:56	Development and Validation of Vehicle Safety Margin for Design of Highway Horizontal Curve (#147) *Ting Shi*

Student Forum 6：Logistics and Infrastructure **Chair:** *Chenglong Liu, Tongji University, China*	**8:00 – 12:30** **JiRen Building303** **济人楼 303**
8:00 – 8:08	Ship AIS Data Mining and Processing Method in Bridge Waters of Inland River (#938) *Jie Xue*
8:08 – 8:16	Optimal Maintenance Scheduling for Minimizing the Network Fuel Consumption (#961) *Chenglong Liu*
8:16 – 8:24	Research on Elements of Urban Rail Transit Crew scheduling (#1178) *Rudong Yang*
8:24 – 8:32	Trip Chain Behavior of Freight Vehicles Departing from Logistics Park (#945) *Lu Li*
8:32 – 8:40	Research on the Value of Road Freight Big Data in Government Statistics (#1177) *Cuiping Ren*
8:40 – 8:48	Study on Mixing Processes of Buton Rock Asphalt Mixture (#983) *Yi Li*
8:48 – 8:56	Asphalt Mixture Fatigue Life Prediction Model Based on Neural Network (#1270) *Chuanqi Yan*
8:56 – 9:04	Cold Chain Logistics Bi-objective Location Optimization Problem Based on Customers'Satisfaction (#253) *Hailan Yang*
9:04 – 9:12	Supply Chian Stability under Disruptions based on Predator-Prey Model (#346) *Hai Ma*
9:12 – 9:20	Application of Artificial Fish Algorithm in Relief Goods Distribution (#564) *Yunna Zhang*
9:20 – 9:28	Study on the Adaptability Evaluation of IOT in Transportation Management (#610)

32

	Yashuai Ji
9:36 – 9:44	Study on Logistics Park's Radiation Scope Based on Breaking Point Model (#422) *Jiayu Xu*
9:44 – 9:52	The Design and Analysis of the Matching System for the Urban Freight Taxis (#471) *Chong Gao*
9:52 – 10:00	*Tea/Coffee Break*
10:00 – 10:08	Inland Port Location Planning Based on User Equilibrium (#1250) *Jingyi Wei*
10:08 – 10:16	Subgrade Settlement Prediction of a Tram Track in the Soft Soil Area (#1165) *Zhongcheng Zhao*
10:16 – 10:24	Research on Evaluation Method of Road Safety Maintenance Management (#918) *Yuexin Lou*
10:24 – 10:32	Operating Characteristics of Bicycle Groups: Statistics Analysis with the Data in Nanjing (#1169) *Li Zhu*
10:32 – 10:40	New development on improvement research of highway tunnel based on visual illusion (#213) *Wanwan Xu*
10:40 – 10:48	Mobile Phone Data Based Urban Functional Area Classification Algorithm (#224) *Luxi Dong*
10:48 – 10:56	Planning Metro Route Based on the Maximum Investment Efficiency (#188) *Jiayu Wu*

33

Saturday, July 8

PLENARY SESSION I: Academic Frontiers	13:30 – 15:20
Chair: **Dr.** *Yu Zhang, Associate Professor, University of South Florida, USA*	JiRen Building101
	济人楼 101

13:30 – 13:50	A New Analytic Landscape for the Estimation of Discrete Choice Models
	Dr. Chandra Bhat, Professor and Director of CTR, University of Texas at Austin, USA
13:50 – 14:10	Vulnerability Bounds for Transportation Networks Under Simultaneous Multi-Link Disruptions
	Dr. Anthony Chen, Professor, Hong Kong Polytechnic University, China
14:10 – 14:30	Network User Equilibrium Models for the Mixed Battery Electric Vehicles and Gasoline Vehicles Subject to Battery Swapping Stations and Road Grade Constraints
	Dr. Qiang Meng, Professor, National University of Singapore, Singapore
14:30 – 14:50	Optimal Parking Provision for Ride-sourcing Services
	Dr. Yafeng Yin, Professor, University of Michigan Ann Arbor, USA
14:50 – 15:10	How Many Cars are Too Many? An Update
	Dr. Kay W. Axhausen, EIC of Transportation, ETH Zurich, Switzerland
15:10 – 15:40	*Tea/Coffee Break*

PLENARY SESSION II: Towards a Smart City	15:40 – 18:00
Chair: *Dr. Yafeng Yin, Professor, University of Michigan Ann Arbor, USA*	JiRen Building101
	济人楼 101

15:40 – 16:00	Connected Automated Vehicle Testing Environment at Mcity
	Dr. Henry Liu, Professor, University of Michigan Ann Arbor, USA
16:00 – 16:20	Center for Transportation, Environment, and Community Health (CTECH)
	Dr. Oliver Gao, EIC of TR Part D, Cornell University, USA
16:20 – 16:40	Transportation Issues and Challenges Towards a Sustainable Smart City
	Dr. Pitu Mirchandani, Professor, Arizona State University, USA
16:40 – 17:00	Should China further Expand its High-speed Rail Network? Consider the Low-cost Carrier Cost
	Dr. Anming Zhang, Professor, University of British Columbia, Canada
17:00 – 17:20	Accelerating the Deployment of Vehicle-to-Infrastructure Cooperative Systems: U.S. Perspectives in an Era of Increasing Automation
	Dr. Robert Bertini, Professor, Director of CUTR, University of South Florida, USA
17:20 – 17:40	Moonshot Thinking Approach for Transportation in the Era of Digital Transformation
	Dr. Keechoo Choi, Professor, Ajou University, South Korea

Chair: *Dr. Lei Zhang, Professor, University of Maryland College Park, USA*		JiRen Building312 济人楼 312
13:30 – 13:50	Automated Driving- Evolution or Revolution? *Dr. Bart Van Arem, Professor, Delft University Technology, The Netherlands*	
13:50 – 14:10	Future Urban Mobility and Public Transportation *Dr. Avishai (Avi) Ceder, Professor, Israel Institute of Technology, Israel*	
14:10 – 14:30	Future and Sustainable Urban Mobility in a Smart Nation *Dr. Der-Horng Lee, Professor, National University of Singapore, Singapore*	
14:30 – 14:50	Future Challenges and Opportunities in the Analysis for Urban Transport Systems *Dr. John Polak, Professor and Director, Imperial College of London, UK*	
14:50 – 15:10	Artificial Intelligence for Smart Transportation Decisions and Applications *Dr. Yinhai Wang, Professor and Director of PacTrans, University of Washington Seattle, USA*	
15:10 – 15:30	A System Approach Toward a Connected Automated Vehicle Highway System *Dr. Bin Ran, Professor, University of Wisconsin Madison, USA*	
15:30 – 15:40	*Tea/Coffee Break*	

PLENARY SESSION IV: Challenges and Opportunities Chair: *Dr. Yinhai Wang, Professor and Director of PacTrans, University of Washington Seattle, USA*		15:40 – 18:00 JiRen Building312 济人楼 312
15:40 – 16:00	Challenges and Suggestions to Transportation Professionals in China *Dr. Gang-Len Chang, Professor, University of Maryland College Park, USA*	
16:00 – 16:20	A Deep-Learning Approach for Fully Automated Pavement Distress Survey *Dr. Kelvin C. P. Wang, Professor, Oklahoma State University, USA*	
16:20 – 16:40	Multidisciplinary Safety Research in Safety *Dr. Lawrence Rillet, Professor, University of Nebraska Lincoln, USA*	
16:40 – 17:00	An Integrated Approach to Vehicle-Pedestrian Safety *Dr. Essam Radwan, Professor, University of Central Florida, USA*	
17:00 – 17:20	Creating a Sustainable Transportation System *Mr. Al R. Roshdieh, Montgomery County Department of Transportation Director, MD, USA*	
17:20 – 17:40	Technology Trends in Scandinavia *Mr. Torgeir Vaa, Senior Project Manager, Norwegian Public Roads Administration, Norway*	
17:40 – 18:00	Q & A	

Sunday, July 9

The 8th COTA-World Bank China Transport Forum	**8:30-12:10** **TongXin Building 224** **同心楼 224**

The COTA-World Bank China Transport Forum is a yearly event jointly organized by COTA and the World Bank at the annual COTA International Conference of Transportation Professionals (CICTP). The first forum was in 2010. The Forum aims to: (i) highlight critical challenges and opportunities in China's transport development; and (ii) serve as a platform for knowledge sharing among COTA members, government officials, researchers, educators and practitioners from China and abroad.

Opening Remarks

Moderator: Jason Wang, Appalachian Regional Commission, USA

8:00 – 8:20	*Remark 1 – Jian Lu, Dean of College of Transportation Engineering at Tongji University* *Remark 2 – Hua Tan, Senior Transport Specialist, World Bank*

Session I: Big Data in Real World

Moderator: Shiyi Han, Transport News

8:20 - 8:40	Informationization Practice of Beijing Metro Transit Operation Management *Jun Yang, Beijing Metro Network Control Center*
8:40 - 9:00	Sustainable development of ofo bicycle with big data assistance *Yeming Ma, ofo*
9:00 - 9:20	Blockchain and the Future of Transportation *Randeep Sudan, World Bank*
9:20 - 9:30	Q&A

Session II: ITS in Applications

Moderator: Randeep Sudan, World Bank

9:30 – 9:50	ITS Improves Accessibility to Transit of the Visually Impaired *Kui Su, GuoZhou Transport Management Office*
9:50 – 10:10	Achieving Energy Savings by Intelligent Transportation System Investments in the Context of Smart Cities *Yang Chen, World Bank*

36

Session III: Emerging Technologies for the Future	
Moderator: Yang Chen, World Bank	
10:35 – 10:55	New Energy Bus in China *Cheng Li, China Academy of Transportation Sciences*
10:55 - 11:15	Future of Big Data *Wenjiang Niu, China Transport Information Center*
11:15 - 11:35	Technology in Paradise, Emerging Trends in Hawaii *Mark Garrity, Oriental Consultants Global Co.*
11:35 - 11:45	Q&A
Panel Discussion: Best Practices and the Future Actions	
Moderator: Yi Yang, World Bank	
11:45 - 12:25	*Panel: Yeming Ma, Kui Su, Yang Chen, Al Roshdieh, Mark Garrity*
Closing Remark	
12:25 - 12:30	*Shiyi Han, Transport News*

Spotlight Session VI: Air Transport vs. High-Speed Rail: Competition or Cooperation? Chair: *Dr. Xiaoqian Sun, Associate Professor, Beihang University, China*		8:00 – 9:50 JiRen Building 405 济人楼 405
8:00 – 8:20	Solving aircraft recovery problem with airport capacity constraints and maintenance flexibility *Dr. Zhe Liang, Professor, Tongji University, China*	
8:20 – 8:40	Vulnerability Assessment of Complementary Transportation Systems Dr. Hong Liu, Associate Professor, Huazhong University of Science and Technology, China	
8:40 – 9:00	Effects of High-Speed Rail Speed on Airline Demand and Price Dr. Anming Zhang, Professor, University of British Columbia, Canada	
9:00 – 9:20	Air Transport vs. High Speed Rail: An Overview and Research Agenda *Dr. Xiaoqian Sun, Associate Professor, Beihang University, China*	
9:20 – 9:50	Q & A	

Sunday, July 9

38

Spotlight Session VII: Technology Frontiers	10:10 –12:30
Chair: *Dr. David Hurwitz, Associate Professor, Oregon State University, USA*	JiRen Building 405 济人楼 405

10:10 – 10:30	Critical Aspects and Technological Tools for Signal Timing and Coordination *Dr. Zong Tian, Professor, University of Nevada Reno, USA*
10:30 – 10:50	Integrated Multi-Criteria Signal Timing Optimization for Sustainable Traffic Operations *Dr. Yu Zhang, Associate Professor, University of South Florida, USA*
10:50 – 11:10	Addressing Impacts of Information Technology on Freight System *Dr. Cara Wang, Associate Professor, RPI, USA*
11:10 – 11:30	Potential Impact of Highly Automated Vehicles on Transportation Infrastructure: Opportunities and Challenges *Dr. Huaguo Zhou, Associate Professor, Auburn University, USA*
11:30 – 11:50	The Importance of Humanities and Social Sciences in Transportation Engineering Education *Dr. Jing Shi, Professor, Tsinghua University, China*
11:50 – 12:10	Stochastic Frontier Estimation of Budgets for Kuhn-Tucker Demand Systems: Application to Activity Time-Use Analysis. *Dr. Abdul Rawoof Pinjari, Associate Professor, University of South Florida, USA*
12:10 – 12:30	The relative importance of occupational variations and metropolitan types in explaining the propensities to work at home *Dr. Pengyu Zhu, Assistant Professor, University of Hong Kong, China*

Invited Session 9: Freeway Operation and Management	8:00 – 12:00
Chair: *Dr. Zhirui Ye, Professor, Southeast University, China* Co-chair: *Dr. Yajie Zou, Associate Professor, Tongji University, China*	JiRen Building211 济人楼 211

8:00 – 8:25	Optimizing Traffic Operations for Freeways using Microscopic Traffic Models *Dr. Xiaobo Qu, Associate Professor, University of Technology Sydney, Australia*
8:25 –8:50	Time-dependent Drivers' Merging Behavior Model in Work Zone Merging Areas *Dr. Jinxian Weng, Professor, Shanghai Maritime University, China*
8:50 –9:15	Learning Traffic as Images: Spatiotemporal Recurrent Convolutional Networks for Traffic Prediction in Transportation Networks *Dr. Xiaolei Ma, Associate Professor, Beihang University, China*

9:40– 10:00	Tea/Coffee Break
10:00 – 10:25	Freeway Active Traffic Management Technologies: Practice and Key Research Problems *Dr. Zhibin Li, Researcher, Southeast University, China*
10:25 – 10:50	Travel Time Estimation Using Freeway Point Detector Data Based on Evolving Fuzzy Neural Inference System *Dr. Jinjun Tang, Associate Professor, Central South University, China*
10:50 – 11:15	Ramp Merging: The Effects of Mixed Traffic Users and Cooperative Merging *Dr. Zhanbo Sun, Professor, Southwest Jiaotong University, China*
11:15 – 11:40	Research on Road Traffic State Detection Method of Mountainous City (#1019) *Dr. Zhi Han*
11:40 – 12:00	Q & A

Invited Session 10: Public Transit	**8:00 – 12:30** **JiRen Building311** **济人楼 311**
Chair: *Dr. Cathy Liu, Assistant Professor, University of Utah, USA* **Co-Chair:** *Dr. Linbo Li, Associate Professor, Tongji University, China*	

8:00 – 8:30	Dynamic Transit Accessibility and Transit Gap Causality Analysis *Dr. Cathy Liu, Assistant Professor, University of Utah, USA*
8:30 – 9:00	The Study on the Share Rate of Public Transport in Shanghai *Dr. Tianran Zhang, Vice Director of Transport Model Department, Shanghai Urban Planning & Design Research Institute, China*
9:00 – 9:30	Analysis the Metro-based Multimodal Transfer Characteristics and the Mode Shift from Car *Dr. Min Yang, Professor, Southeast University, China*
9:30 –10:00	Tea/Coffee Break
10:00 – 10:30	Improvement of satellite cities by the urban rapid transit systems: A case study from Chengdu, China *Dr. Fei Yang, Professor, Southwest Jiaotong University, China*
10:30 – 11:00	Development and Prospects of CUTD (China National Urban Transit Database) *Dr. Xianglong Liu, Director, China Academy of Transportation Sciences, China*
11:00 – 11:30	Study on Agglomeration Mechanism of Resident Trip Activities and Construction of Multi - activity Agglomeration Area *Dr. Linbo Li, Associate Professor, Tongji University, China*

39

Sunday, July 9

12:00 – 12:30	Development & Evaluation Index System of Development and Service Quality of Urban Multi-modal Transit System (#478) *Dr. Shaozhi Hong, Professor, Chongqing Jiaotong University*

Invited Session 11: Connected and Automated Transportation Systems	**8:00 – 12:30** **JiRen Building210** **济人楼 210**
Chair: *Dr. Jianqiang Wang, Professor, Tsinghua University, China*	

8:00 – 8:40	Newly Developed Approach for Autonomous Vehicle Control Based on i-VICS *Dr. Yi Zhang, Professor, Tsinghua University, China*
8:40 –9:20	Research on Real-time Construction of High-precision Scene Map *Dr. Bijun Li, Professor, Wuhan University, China*
9:20 –10:00	Driving Experience Analysis for Intelligent Vehicle *Dr. Zhenhai Gao, Professor, Jilin University, China*
10:00 – 10:30	Tea/Coffee Break
10:30 – 11:10	Driving Mode Decision-making method for automated vehicles with human-vehicle cooperation *Dr. Chaozhong Wu, Professor, Wuhan University of Technology, China*
11:10 – 11:50	Key Technologies of 5G & Connected Vehicles *Dr. Daxin Tian, Associate Professor, Beihang University, China*
11:50 – 12:30	Driving Risk Evaluation Method for Intelligent and Connected Vehicles in Complex Traffic Environment *Dr. Jianqiang Wang, Professor, Tsinghua University, China*

40

Invited Session 12: Transportation Policy, Planning and Modeling	**8:00 – 11:50** **JiRen Building209** **济人楼 209**
Chair: *Dr. Zhichun Li, Professor, Huazhong University of Science and Technology, China*	

8:00 – 8:40	Step Tolling in an Activity-Based Bottleneck Model *Dr. Zhichun Li,, Professor, Huazhong University of Science and Technology, China*
8:40 –9:20	Modeling and Calibration of Day-to-day Traffic dynamics *Dr. Feng Xiao, Professor, Southwestern University of Finance and Economics, China*
9:20 –10:00	Public Bicycle Service Evaluation from Users' Perspective: Case Study of Hangzhou, China *Dr. Yilin Sun, Lecturer, Zhejiang University, China*
10:00 – 10:30	Tea/Coffee Break

	Travel Data
	Dr. Xin Ye, Professor, Tongji University, China

Technical Session 1 **Chair: Dr. Guohui Zhang, Assistant Professor, University of Hawaii, USA**		**8:00 – 12:30** **JiRen Building309** **济人楼 309**

8:00 – 8:25	Evaluation of Urban Bus Emissions Generated Near Intersections (#1106) *Dr. Qian Yu, Chang'an University, China*
8:25 –8:50	A Recognition Method of Construction Conflict on the Bases of Driver's Eye Movement (#465) *Dr. Yi Xu, Shandong University of Technology, China*
8:50 –9:15	A Novel Control Strategy of Urban Expressway Weaving Area (#1202) *Dr. Ning Chen, Beijing Key Laboratory of Traffic Engineering, Beijing University of Technology, China*
9:15 – 9:40	A Self-Adaptive Step-Size Sensitivity Based Heuristic Method for Road Network Capacity Problems (#1205) *Dr. Muqing Du, Hohai University, China*
9:40 –10:25	*Tea/Coffee Break*
10:25 –10:50	Spatial Aggregation of Worldwide Air Transportation Networks (#752) *Dr. Xiaoqian Sun, Beihang University, China*
10:50 –11:15	Congestion Charging on New Road Incorporating Induced Traffic in China (#150) *Dr. Nan He, Dalian Jiaotong University, China*
11:15 –11:40	Modeling Travel Choice Behavior with Prospect Theory (#635) *Dr. Zhi Zuo, Xinjiang University, China*
11:40 –12:05	A Comparison of Different Transportation Strategies for Road Freight Enterprises from a Carbon Footprint View (#749) *Dr. Yi Gao, Research Institute of Highway, Ministry of Transport, China*
12:05 –12:30	A Comprehensive Measure for Evaluating Urban Traffic Congestion: Continuous Congestion (#751) *Dr. Yi Gao, Research Institute of Highway, Ministry of Transport, China*

41

Technical Session 2 Chair: Dr. Shanjiang Zhu, Assistant Professor, George Mason University, USA	**8:00 – 12:30** **JiRen Building310**

Sunday, July 9

	Dr. Yusheng Ci, Harbin Institute of Technology, China
8:25 –8:50	Dynamic Network Design for Allocating Intermittent Bus Lanes (#951)
	Dr. Haiyang Liu, Shanghai Jiaotong University, China
8:50 –9:15	A New Accident Prevention System Based on The Prediction of Vehicle Tire Forces by Using Digital Map and Unscented Kalman Filter (#574)
	Dr. Kun Jiang, Tsinghua University, China
9:15 – 9:40	A Lane-based Binary Mix Integer Linear Program Model for Minimizing Delay at Isolated Signal Controlled Intersection (#659)
	Dr. Zhao Zhang, Beihang University, China
9:40 –10:25	*Tea/Coffee Break*
10:25 –10:50	Discussion on Profit Distribution Model under the Shared Parking Policy (#255)
	Dr. Xiaowei Hu, Harbin Institute of Technology, China
10:50 –11:15	Game Model of the Route Selection for Bus Rapid Transit (#1161)
	Dr. Huawei Gong, Guangzhou University, China
11:15 –11:40	Traffic Flow Characteristics and Congestion Evolution Rules for Urban Road Networks during Special Events (#460)
	Dr. Zhongyu Wang, Shanghai Maritime University, China
11:40 –12:05	Evaluation of the Impacts of Driver Population Heterogeneity on Capacity and Traffic Performance using Microscopic Simulation (#187)
	Dr. Haifei Yang, Hohai University, China
12:05 –12:30	On-road Emissions and Fuel Consumption of Tourist-Oriented Heavy Duty Diesel Vehicles in Beijing (#435)
	Dr. Ye Zhang, Beijing University of Technology

Transportation Practioner's Forum
Chair: *Mr. Kyle Liang*

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8:30 – 12:00
TongXin Building 124
同心楼 124

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The Transportation Practitioner's Forum is a continuation and expansion from the past COTA Government Forum in the CICTP series. It serves as a platform for discussions of a key component of the transportation development and traffic engineering in China and also a platform for dialogue between international and China on critical and practical issues that are commonly interested. The forum will draw upon the experience and lessons from transportation and traffic agencies both overseas and in China throughout all levels of transportation policies, planning, operations and management aspects and will highlight successes, challenges, and issues which can be learned and applied in Chinese context.

Session I: Identification, Analysis, and Correction of High-Accident Locations

8:30-8:35	Opening Remark
8:35-8:50	Advancing Innovative Safety Treatments for High Crash Intersections *Dr. Jianming MA, TxDOT, USA*
8:50-9:05	Experiences on the important segments screening and treatments in highway safety enhancement project. *Dr. Zhang Tiejun, Research Institute of Highway, China*
9:05-9:20	Road safety discussion based on severe traffic crash investigations *Dr. Pingfan Li, Traffic Management Research Institute of the Public Security Ministry (TMRI)*
9:20-9:35	Common safety issues on freeways in China *Dr. Wenbin Wang, Tongji University, China*
9:35-9:50	Accidents Analysis and Roadway Improvement on NHWY111 in Inner Mongolia *Mr. Kyle Liang, Montgomery Co. MD, USA*
9:50-10:00	High Risk Location Identification and Improvement in Shanghai *Dr. Xuesong Wang, Professor, Tongji University*
10:00-10:15	Q&A
10:15-10:30	Coffee/Tea Break

Session II: Panel Discussion: How do We Review and Improve Highway operations and safety in China? – Perspectives from Inside and Outside China.

10:30-12:00	Super Intersection Improvements, Signing and Pavement Markings Plan on Highways and Ramp Design and Operations on in Suburban. Panelists: Dr. Xuesong Wang, Professor, Tonji University, China Dr. Zhang Tiejun，Ph.D. Research Institute of Highway Dr. Pingfan Li, Ph.D., Traffic Management Research Institute of the Public Security Ministry (TMRI)

Sunday, July 9

Poster	8:00 – 12:30
Coordinator: *Dr. Yu Zhou, Associate Professor, Tongji University, China*	Hall of JiRen Building 济人楼大厅

Session 1	8:00 – 9:30

Poster ID	Name	Paper ID	Title
P001	Tao Wang	1230	Risky Driving Behaviors of Electric Bike Users Based on Structural Equation Model
P002	Pei Liu	1186	Evaluation of Mobility Impact on Urban Work Zones using statistical Models
P003	Junrong Qu	1191	Expose Data as a Service in Cloud for Cooperative Intelligent Transportation Systems-- Communicating with Web Application Programming Interfaces
P004	Mohamad Naji	1095	Airport Security Screening Process: A review
P005	Xiaolei DU	1131	Study on Carbon Emission of Urban Rail Transit with Different Land Use Patterns
P006	Jun Zeng	812	Research on Urban Road Congestion Charging—a case study of Xi'an Hi-tech Industries Development Zone
P007	Yuhuan Wang	306	A Method to Determine the Policy Headway for Bus Routes: A Case Study of Beijing
P008	Peiyan Chen	1128	Research on the Impact of Typical Sections in Urban Tunnel on Drivers' Psychology and Physiology
P009	Cheng Cheng	1143	Investigation of the Effects of Holidays on Airport Landside Passenger Volume: A Case Study of Shanghai Hongqiao International Airport
P010	Wenhui Chu	426	Real-time Crash Prediction Estimation of Freeway Safety: A review
P011	Jing Fan	1003	Model to Optimize Location and Planning of Electric Car Sharing Rental Site
P012	Xueli Fang	381	Studies about Characteristics of the Mixed Non-Motorized Traffic Flow
P013	Yu Fang	978	Evaluation Method of Urban Road Riding Quality Affected by Pavement Partial Unevenness
P014	Xin Gu	242	A Simple Aerial Map Matching Algorithm Besed On Hidden Markov

44

P015	Yueqi Hu	626	Reliability Model and Simulation of Manual Monitoring of Expressway Tunnel Unexpected Events
P016	Wencheng Huang	275	Improved Railway Passenger Comfort Benefit Quantitative Calculation Approach: Based on Candidate Time Value Set
P017	Zhiyuan Huang	1157	An Optimization Model for Urban Rail Transit Crew Pairing Problem based on Workload Equilibrium
P018	Ya'nan Li	1190	Empirical analysis of failing to board and traveling backwards in an overcrowded urban rail transit system
P019	Zexin Ma	962	Evaluation of fatigue and rutting performance of in-situ asphalt pavement based on accelerated pavement testing
P020	Xiaomeng Shi	1235	Estimating Pedestrian Walking Characteristics using Smartphone Sensing: An Experimental Study
P021	Tao Tao	504	The Analysis of Supply and Demand for Logistics of Double Eleven Online Shopping Day
P022	Yi Wang	1232	Modeling and Simulation of Oversaturated Traffic Flow Based on Cellular Automata
P023	Hongbin Yu	363	Development of a Novel Vehicle-mounted Data Collection Terminal with Multisource Information Fusion for Connected Vehicles
P024	Lishengsa Yue	77	Detection of Drivers' Moderate Drowsiness Using a Wavelet-Entropy-Based Smart Algorithm
P025	Guoshuai Zang	970	Setting Method of the Depth to Rigid Layer in Modulus Back-Calculation
P026	Junjie Zhang	352	A traffic network capacity reliability considering mean-excess travel time with perception error
P027	Zhiping Zhang	1265	Research on Real-time Traffic Condition Identification of Highways Based on Chinese BEIDOU Positioning Data
P028	Zichu Zhou	1012	Analysis of Vehicle Trajectory on the Tunnel Entrance and Exit in the Large Longitudinal Slope Based on Driving Simulation
P029	Zhenjun Zhu	808	Multi-Level Integrated Optimization Methods for Urban Traffic Structure
P030	Zhu Bai	499	Research on the Choice Behaviors of Order Dispatching Modes under the Online Car-hailing Services Based on Evolutionary Game Theory
P031	Song Zeng	692	Research on Image Dynamic Blurring Reconstruction Algorithm in 3S - UAV

45

46

P033	Yijun Chen	1227	Information Flow Analysis on Forced Stop Management of Operation Control System in High-Speed Maglev Transportation
P034	Ji Fu	1039	The Impact of Changsha Maglev Line on Land-Side Transportation of Changsha Huanghua International Airport
P035	Yucong Hu	403	Commuting Trip Rate of the Private Cars Based on Differentiation of Household Income in Guangzhou
P036	Yingying Ma	370	Optimizing Traffic Flow among Traffic Zones Using Macroscopic Fundamental Diagrams
P037	Jiangfeng Wang	462	Intersection Actuated Signal Phase and Timing Algorithms in Connected Vehicle Environment
P038	Feng Ye	1009	Aerodynamic Effect on the Noise Barrier of High Speed Maglev Girder-on-Bridge System under Extreme Weather Conditions
P039	Guoqiang Zhang	472	Cellular Automaton Model for Analyzing Traffic Flow on a Road Section
P040	Guoqiang Zhang	423	Exploring Safety Impacts of the Number and Arrangement of Lanes on Freeway Entrance Ramps
P041	Jie Zhang	1239	Status Analysis and Forecasting of CEKE Port Logistics Development
P042	Zhiwei Zhu	991	Research on Alignment Maintenance Effect Evaluation Method of Shanghai Maglev Line
P043	Nengchao Lv	1229	Review and Discussion on Driving Workload Quantification in Traffic Safety
P044	Ling Hong	1219	A Simulation Model to Calculate Turn-back Capacity in Metro Stations
P045	Jinping Guan	1155	City-Periphery Residents' Travel Mode Captivity: Case Study of a Large-Scale Residential Area in Shanghai, China
P046	Lingling Fan	373	An Attempt of Duration Analysis Based on Non-Parametric Kernel Regression Algorithm
P047	Bin Fang	25	Research of Multiple UAVs space deployment problem in traffic surveillance mission
P048	Mingxia Huang	390	Analysis on Safety Characteristics of Stopping Behaviors at Intersections with Countdown-Type Traffic Signals
P049	Qiang Luo	1159	Research of Pedestrian Traffic Parameter Extraction Algorithm

P051	Bin Shang	1200	Urban Rail Transit Environmental Benefits
P052	Haiyan Sun	122	Structural Equation Modelling for Travel Behavior of Residents in Large-scale Residential Community
P053	Xiang Wang	194	On-line Prediction of Freeway Time-dependent OD Flow: A Case Study of Jiangsu Province in China
P054	Lina Wu	420	A Research Of Transportation Modes Competition Model Based On Group Size Difference
P055	Yihong Yuan	825	Guideway Switch of Maglev Changsha Airport Express Line
P056	Fan Zhang	1257	A Study on Highway Corridor Traffic State Identification Based on Data Fusion of DSRC Data and ETC Data
P057	Ping Zhang	156	Study on Resident's Choice of Non-Work Tour Based on Logistic Model
P058	Lai Zheng	1070	Adaptability Evaluation of the Upgraded Highway's Geometric Alignments based on Speed-related Characteristics: A Case Study
P059	Jibiao Zhou	1195	Modeling Waiting Endurance Time of E-bike at Signalized Intersection
P060	Sicong Zhu	1261	Analysis of Vehicle Stop-And-Go Driving Behaviors at Signalized Intersections
P061	Yong Zhu	690	Vision-based Lane Departure Detection using Local Hough Transform & Particle Filter
P062	Jianwei Gong	279	Human-like Longitudinal Velocity Control Based on Continuous Reinforcement Learning
P063	Lili Wang	1206	Study on Collision Risk of Parallel Runways in Independent Parallel Instrument Approach Mode
P064	Xingkai Fu	64	Influence of Polyphosphoric Acid on the performance of asphalt binders
P065	Yu Shan	946	Urban Transportation Emergency Strategy Design based on Petri
P066	Huiyu Chen	928	The Cluster of Vehicle Temporal Travel Behavior Based on License Plate Recognition Data
P067	Qin Chen	276	Analysis on Time Window of Shared Parking in Hospitals Based on Parking

47

48

Poster ID	Name	Paper ID	Title
P069	Yifan Chen	794	Bike-share System Users' Satisfaction Assessment Based on Structural Equation Model
P070	Yu Chen	451	Dynamic Environmental Assessments on a Network Level Based on DTA
P071	Xi Deng	397	Damage identification of high-speed maglev track girder based on the finite element simulation
P072	Weina Fan	669	Analysis of Traffic Information Service Demands Characteristics in Expressway
P073	Qiong Ying	1135	Curved Roads Speed Advisory Strategy under Connected Vehicle Environment
P074	Yufang Gao	516	Rail Transit Assignment Model Based on Random Regret Minimization under Multi-class User Condition
P075	Qingsheng Gong	443	Study on the Safety Evaluation of Modern Tram at Intersection Based on Traffic Conflict
P076	Qi Guo	1134	Research on the Prediction of travel time of urban sections by neural network method
P077	Xiongfeng Guo	1007	Deterioration Analysis and Forecasting Model of Urban Bridges
P078	Chengpeng Guo	1224	The Method of Analyzing Metro Complaint Data and Its Application
P079	Linghui He	780	Analysis of factors affecting the operation effect of bus lane based on decision tree model: A case study of Shanghai, China
P080	Mengchen He	873	Combined Parking Pricing Forecasting Model Based on Time Series Forecast and Regression Analysis

Session 2			*9:30 – 10:45*
Poster ID	**Name**	**Paper ID**	**Title**
P081	Qingjun He	891	Incorporating the WIM Data into the Analysis of Road Traffic Risk
P082	Jingyun Hu	1000	Impact Analysis of Public Facilities Allocation Standard to Residents Non-Commuting Activities ——A Case Study of Six Residential Parcels in Shanghai
P083	Zhehua Hu	539	Vision-GPS Fusion for High Precision Vehicle Localization in Urban Environment

P085	Xing Huang	1216	Simulation and Optimization of Traffic Organization at Highway Reconstruction and Extension Area under the Situation of Large Traffic Volume
P086	Shan Jiang	111	Schedule-driven Signal Priority Control for Modern Trams Using Reinforcement Learning
P087	Menglu Jiang	895	Study on the Effect of Traffic Analysis Zones Design on Road Network Flow Assignment: Based on City Madrid
P088	Difeng Kuang	191	Mechanics Analysis of Single-toe Elastic Bar Fastening and Type Ⅲ Elastic Bar Fastening in Urban Rail Transit
P089	Huan Li	324	Station-Area Land Use Planning under The Integrated Public Transit and Land Use Framework
P090	Xinxu Li	408	A Multimodal Detection and Tracking System based on Deep-Learning for Traffic Monitoring
P091	Yan Li	911	The Impact Analysis of New Parking Lot in Large Business Center
P092	Jiadong Liang	513	A short-term forecast method for highway traffic conditions based on CHMM
P093	Xinyu Lin	1109	The Multi-Objective Optimization Strategy of Urban Railway Train Automatic Train Operation (ATO)
P094	Zhanzhou Lin	382	Research on Installation of Changeable Message Sings in freeway work-zone based on driving simulation
P095	Baolong Liu	240	Improved artificial bee colony algorithm and its application in solving VRPTW
P096	Dongfusheng Liu	116	The storage system design for dynamic data of internet of vehicles based on B+ tree technology
P097	Hao Liu	942	The Research on Construction Risk Evaluation in Mountainous Roads
P098	Sheng Liu	238	Driving Experiment based Investigation on Length Threshold for Freeway Landscape Pattern
P099	Xiang Liu	290	Bi-level Programming Model of Locating Public Charging Stations for Electric Vehicles
P100	Yingying Liu	69	Study on the Operational Status of Shanghai EVCARD Electric Vehicle Car-sharing Project
			A Breakthrough Brought by Taxi-Calling APPs for Taxi Operating Level in

49

50

P103	Yuanlin Liu	954	E-hailing Taxis Management Mode Innovation Based on the Credit Evaluation
P104	Xueli Liu	1167	Model and Simulation of Bi-directional Pedestrian Flow Self-Organization Based on Cellular Automata
P105	Tianwei Lu	1042	Research on Supply and Demand Disequilibrium Degree of Urban Agglomeration Transportation System
P106	Yi Luo	5	Overview Research of Influence of In-vehicle Intelligent Terminals on Drivers' Distraction and Driving Safety
P107	Liang Ma	763	Urban Freight Routing Based on Static User Equilibrium
P108	Yang Ma	1124	Theoretical Evaluation Model of Effects of Traffic Safety Improvement Measures for Rural Highways
P109	Qiong Peng	1208	Waiting Behavior characteristics of Non-Motor Vehicle at the Signal Intersection
P110	Chen Qi	1213	Research on Mountainous Expressway Crash Prediction Model Based on IHSDM In China
P111	Yu Qiao	871	Optimization for urban rail timetable under dynamic passenger demand on different days
P112	Si Qin	7	Research on Traffic Control Mode Selection of Ring-intersection
P113	Hanyu Shu	1023	Privacy Protection for Transport Big Data: A Life-cycle Perspective
P114	Yang Song	1076	Ordinal Cluster Division of Road Section Considering Maintenance Factor Weight
P115	Cuicui Sun	608	Evaluating the Effect of Road Lighting on Traffic Safety at Critical Road Sites
P116	Peixiang Sun	248	The Effects of Measures on Lowering the Phreatic Line within Seasonal Soaking Subgrade
P117	Yu Sun	1187	Driver's neglect to the Cyclist at the Intersection
P118	Zhengwei Sun	855	Longitudinal Risky Driving Behavior Recognition Based on Naturalistic Driving Study
P119	Shuai Tian	1091	Damage diagnosis of concrete slab based on finite element model updating technique under the influence of temperature

P121	Ding Wang	52	Balance of Reliability and Efficiency in Adaptive Signal Control Strategy
P122	Hefei Wang	900	Analyzing the Effects of Public Transit Information Systems Based on Mobile Terminal on Choice Behavior of Travelers on Route
P123	Mengdi Wang	1240	A Scheduling Optimization Model of Coordinated Operation between Rail Transit and Bus Transit
P124	Mengyang Wang	287	Analysis of route choice behavior based on travel time reliability
P125	Shunchao Wang	582	A Novel Pedestrian Conflict Research in the Corridor of Rail Transit: A Physiological Approach
P126	Yimin Wang	536	Modeling Car-Following Behavior Considering Impacts of Road Gradients
P127	Yu'ao Wei	1180	Research on Evaluation Method of Driving Behavior Safety for Taxi Driver Based on Space - time Trajectory Feature
P128	Chen Wen	267	Dynamic Traffic Control and Direction Switch of Reversible Lanes for Continuous Flow Considering V2I
P129	Linghan Zheng	913	Optimizing fuel consumption and passenger comfort of urban bus operation at intersections
P130	Fan Wu	1086	Mid-depth Punch-out Research of Continuously Reinforced Concrete Pavement
P131	Mengxiao Wu	115	A method of real-time leading vehicle detection of Adaptive Cruise Control System on curved road based on V2V
P132	Bin Xie	366	Cost Management of Highway Construction Based on The Internal Data of Construction Enterprise
P133	Xinrui Xie	1211	Modeling the Range Information Inaccuracy Risk of Battery Electric Vehicle
P134	Ying Xiong	158	Exploring temporal characteristics of bus trips in Tian'anmen area using smart card data
P135	Shipeng Xu	1158	Study on Departure Station Selection Behavior of Urban Rail Transit under the Condition of Large Passenger Flow
P136	Zhao Xu	1212	Reliability Study of Control Unit of Metro Train Auxiliary Inverter Based on Monte Carlo Algorithm)
P137	Huanxi Xu	81	Swot Analysis on The Development of Maglev Transportation Technology

P139	Huang Yan	1136	Home-Work Zone Identification from Taxi GPS Data: A Case Study of Shanghai, China
P140	Xiaomin Yan	1221	A multi-layer Evolution Algorithm for Optimizing Highway Alignments
P141	Yu Yan	616	Comparisons of Mobile Emissions and Traffic Flow Characteristics in Electronic Toll Collection and Manual Toll Collection Lanes
P142	Jingrui Yang	1142	Analysis on Security Systems of the Subway Doors
P143	Qi Yang	285	The Design and Adjustment Method of the Shared Parking Time Window of Typical Malls in Downtown
P144	Qi Yang	281	Study on the Threshold of Bus Arrival Rate of Shared Bus Stops Based on Queuing Probability
P145	Yuesi Yang	766	Coordinated Ramp Metering under the Connected Vehicle Environment
P146	Wei Yin	119	Research on The Identification of Urban Road Traffic State Based on Vehicular Networks
P147	Qing Yu	501	Understanding the Activity Space of Nonresidents Using Mobile Phone Data ： A Case of Study of Hongqiao Hub in Shanghai, China
P148	Zhigang Yu	941	Optimal Bus Stop Location to Coordinate Transfer between Urban Rail Transit and Feeder Bus near Urban Road Intersection
P149	Jinsong Yue	1052	An Advanced Method to Rapidly Detect Vehicle-Guardrail Collision Accident and Transmit Alarm Signals on Highways
P150	Xiumeng Yun	964	Study on the Equivalent Travel Time Cost of Road Ride Quality Deterioration
P151	Chunyan Zhang	291	Optimal Deployment of Electric Vehicle Lanes in Mixed Transportation Networks
P152	Guizheng Zhang	888	Comparative analysis of different driving rules in freeways based on the Cellular Automata model and Analytic Hierarchy Process
P153	Jiawei Zhang	1041	Influence of the bridge pier displacement on the slab track deformation of the high-speed railway
P154	Ruobing Zhang	316	Variable Speed Limit Based on Intelligent Vehicle Infrastructure Cooperative Systems
P155	Ruona Zhang	1097	Development of Mode Choice Model to Understand Why Auto Owners Use Rail for Commute in Shanghai

P157	Wenliang Zhang	84	Freeway Traffic State Estimation and Prediction Based on ETC-based Path Identification Toll System
P158	Zhihao Zhang	133	Application of Long Short-Term Memory Neural Network for Multi-Step Travel Time Forecasting on Urban Expressway
P159	Haiyue Zhao	266	Research on Crossing Safety in Urban Unmarked Roadway
P160	Wenwen Zhao	293	Golden-ratio Genetic Algorithm based Parameter Calibration of VISSIM Simulation Model

Session 3			*11:00 – 12:15*
Poster ID	**Name**	**Paper ID**	**Title**
P161	Shuqing Zheng	1118	The Analysis of Urban Traffic Accidents Based on Bayesian Network
P162	Zheyi Zhong	413	Taxipoling: research of the demand and the model
P163	Zhiyu Zhong	1149	A Deep Architecture Combining Cnns and Grbms for Traffic Speed Prediction
P164	Min Zhou	1244	Mathematical Programming Model for Passenger Inflow Control of Urban Metro Stations in Peak Hours
P165	Sichu Zhou	704	Impact of advisory speed on intersection traveling efficiency in connected vehicles environment
P166	Jiayu Zhu	1096	Development of Destination Choice Model for Taxi Passengers in Shanghai, China
P167	Jiaojiao Zhu	645	A Headway Adjustment Method Based on Bus Arriving Time Prediction
P168	Jinxin Li	199	A Wavelet Neural Network Method for Evaluating Sustainable Development of Urban Rail Transit
P169	Junqing Shi	1231	Identification of congestion bottleneck in urban road networks
P170	Qian Ye	198	How Taxi Operation Change in the development of E-hailing APPs Case Study in Shanghai, China
P171	Ni'na Zhao	1245	A Study on Drivers' Awareness and Acceptance on PR. China National Highway Route Marker

53

54

P173	Hanqi Wang	1198	Multi-Intelligent Railway Emergency Solutions and Effect Evaluations
P174	Yanzhao Han	1150	Actual Timetable Data Cleaning Method in Rail Transit Lines
P175	Shuaifeng Huang	477	Study on Processing Method of Loop Detector Data on an Urban Expressway
P176	Yancong Zhang	1103	Effect of Coarse Aggregate on Coefficient of Thermal Expansion of Road Concrete
P177	Huahua Zhao	540	Application of Fault Injection Technique in the Simulation Test of Vehicle Operation Control System for High-speed Maglev Transportation
P178	Pengyue Tu	1163	Investigation of Lane-Changing Behaviors at the Intersection with Off-Ramps and Lanes Exchanging
P179	Changyu Qian	51	The Design of Human Machine Interface of Head Up Display (HUD) in a Complex Road Environment
P180	Tianjie Xu	1173	A Train Timetable Optimization Approach for Metro Rail Operations Based on Regenerative Energy Utilization
P181	Qinchao Liu	935	Urban Road Traffic State Level Classification Based on Dynamic Ensemble Learning Algorithm
P182	Rui Zhang	1073	The impact of high-speed rail and low-cost carriers on Chinese air market
P183	Jianqiang Wang	758	Driving Safety Field Model Concerning Risk Coefficient Parameters Calibration
P184	Wei Li	243	A Novel Traffic Flow Data Imputation Method for Traffic State Identification and Prediction Based on Spatio-Temporal Transportation Big Data
P185	Jun Chen	1043	Identifying Critical Links in Transportation Networks based on Route Diversity Redundancy
P186	Aizezi Mayila	1119	Different Impacts of Socio-Demographic Characteristics on Travel Mode Choice of Urban and Rural Resident in Eastern China
P187	Junfeng Zhang	142	Traffic Control Management of Long Expressway tunnel - a simulation study
P188	Xujian Guo	990	Road Functional Characters of Shanghai Based on Intersection Turning Movement Proportion
P189	Xiongbin Wu	245	Optimal Model for Tour Route Considering the Multimodal Transportation

P191	Yujie Sun	140	Towards Sustainable Transport: A Transit Signal Priority Model based on Vehicle Emission and Delay Reduction
P192	Min Jin	32	Driving Decision-Making Analysis of Car-Following for Autonomous Vehicle under Complex Urban Environment
P193	Yifang Zhang	810	Intelligent Transportation Decision System Based on Big Data Mining
P194	Xiaolong Ma	2	Person re-identification under the problem of path selection
P195	Wenjing Wu	1100	A new method for detecting threshold for ramp metering by safety evaluation of merging behavior
P196	Liyuan Liu	427	Research on the Relationship between Driving Vibration Noise and Tire-road Contact Pressure
P197	Haiyan Duan	1113	The Security Potency Study for Freeway Windbreaks on Vehicle Safety under Strong Crosswind Conditions
P198	Chenyuan Chen	229	Modelling asymmetric and non-additive P&R schemes
P199	Tianming Luo	455	Agent Simulation of Time Allocation on Daily Activity-travel Patterns
P200	Yuqi Zhang	1172	Research on the Integrated Evaluation Method of Road Transport Modernization
P201	Junhong Hu	730	Discussion on the Development of Modern Trams in China
P202	Yuan Zheng	230	Operation Efficiency and Safety Analysis of Integrated Ramp Metering and Mainstream traffic flow control via Variable Speed Limits on Freeway
P203	Xueqi Li	1181	Study on the location of hub city based on container multimodal transport
P204	Yifei Cai	282	A new grouping model based on velocity obstacle theory

55

General Information

Date: July 7-9, 2017

Venue: Tongji Jiading Campus (Address: No. 4800 Cao'an HIghway, Shanghai, China)

Website: www.cota-home.org/CICTP/CICTP2017.html

Registration Desk

Conference registration desk is located in the lobby of Crowne Plaza Shanghai Anting on July 6 and at the 1st floor of the Jiren Building on July 7-8. The opening time as follows:

July 6   09:00-21:00   Crowne Plaza Shanghai Anting
July 7-8   07:30-18:00   Jiren Building

Onsite Registration Fee: **CNY 2200**

Registration fee includes:

• Access to all conference and poster sessions
• Refreshments/lunch as listed in the programme
• Programme booklet
• Conference banquet and farewell lunch
The conference banquet is held in the Grand Enhance Ballroom, Crowne Plaza Shanghai Anting (颖奕大宴会厅), Friday, July 7, 18:30-20:30.
The farewell lunch is held in the Grand Enhance Ballroom, Crowne Plaza Shanghai Anting(颖奕大宴会厅), Sunday, July 9, 12:30. A brief closing ceremony will take place, followed by an award ceremony and a handover ceremony from the CICTP 2017 organizers to the CICTP 2018 organizers.

Badge

At registration you will receive your conference name badge. You are kindly requested to wear your badge during all conference sessions and social events. For lost badges, please visit the onsite registration desk during opening hours. Personal ID is required in order to receive a replacement badge.

Exhibition Hours
The exhibition area is situated on the 1st floor of Jiren building in Tongji University, and will open at 08:00-18:00, July 7-8 and 08:00-12:00, July 9.

Smoking Policy
Smoking is prohibited at all times in meeting rooms, halls and the exhibition area. Your compliance is appreciated.

Mobile Phones
Please respect the speakers and presenters by ensuring your mobile phone is switched off or muted during all sessions.

Shuttle Bus Schedule
Shuttle bus service will be provided during the meeting period between Tongji Jiading Campus and Crowne Plaza Shanghai Anting from July 7-9, 2017.

Thursday, July 6, 2017

TIME	FROM	TO
10:00-20:00 (Circulate)	Crowne Plaza Shanghai Anting	Tongji Jiading Campus/Xietong Hotel/Xinci Hotel/ Jiazheng International · Enrgy Hotel
13:10	Crowne Plaza Shanghai Anting	Tongji Jiading Campus
16:40	Tongxin Building, Tongji Jiading Campus	Crowne Plaza Shanghai Anting
17:40	Jiren Building, Tongji Jiading Campus	Xietong Hotel & Crowne Plaza Shanghai Anting
20:00	Xietong Hotel	Crowne Plaza Shanghai Anting

Friday, July 7, 2017

TIME	FROM	TO
08:00	Xinci Hotel/ Jiazheng International · Enrgy Hotel	Jiren Building, Tongji Jiading Campus
08:10	Crowne Plaza Shanghai Anting/ Xietong Hotel	Jiren Building, Tongji Jiading Campus

CICTP2017

10:00/15:00	Jiren Building, Tongji Jiading Campus	Xietong Hotel/Crowne Plaza Shanghai Anting/ Xinci Hotel/ Jiazheng International · Enrgy Hotel
10:30/15:30	Xietong Hotel/Crowne Plaza Shanghai Anting/ Xinci Hotel/ Jiazheng International · Enrgy Hotel	Jiren Building, Tongji Jiading Campus
18:10	Jiren Building, Tongji Jiading Campus	Crowne Plaza Shanghai Anting
20:30	Crowne Plaza Shanghai Anting	Xietong Hotel/Xinci Hotel/ Jiazheng International · Enrgy Hotel

Saturday, July 8, 2017

58

TIME	FROM	TO
07:30	Xinci Hotel/ Jiazheng International · Enrgy Hotel	Jiren Building, Tongji Jiading Campus
07:40	Crowne Plaza Shanghai Anting/ Xietong Hotel	Jiren Building, Tongji Jiading Campus
10:00/15:00	Jiren Building, Tongji Jiading Campus	Xietong Hotel/Crowne Plaza Shanghai Anting/ Xinci Hotel/ Jiazheng International · Enrgy Hotel
10:30/15:30	Xietong Hotel/Crowne Plaza Shanghai Anting/ Xinci Hotel/ Jiazheng International · Enrgy Hotel	Jiren Building, Tongji Jiading Campus
19:30	Chunhe Dining Hall, Tongji Jiading Campus	Xietong Hotel/Crowne Plaza Shanghai Anting/ Xinci Hotel/ Jiazheng International · Enrgy Hotel

TIME	FROM	TO
07:30	Xinci Hotel/ Jiazheng International · Enrgy Hotel	Jiren Building, Tongji Jiading Campus
07:40	Crowne Plaza Shanghai Anting/ Xietong Hotel	Jiren Building, Tongji Jiading Campus
10:00	Jiren Building, Tongji Jiading Campus	Xietong Hotel/Crowne Plaza Shanghai Anting/ Xinci Hotel/ Jiazheng International · Enrgy Hotel
10:30	Xietong Hotel/Crowne Plaza Shanghai Anting/ Xinci Hotel/ Jiazheng International · Enrgy Hotel	Jiren Building, Tongji Jiading Campus
12:15/ 12:40	Jiren Building, Tongji Jiading Campus	Crowne Plaza Shanghai Anting
14:00	Crowne Plaza Shanghai Anting	Tongji Jiading Campus/ Xietong Hotel/Xinci Hotel/ Jiazheng International · Enrgy Hotel

Catering during the conference

Catering	Date	Time	Place
Lunch	July 7-8	12:00-13:30	The 1st & 2rd floor of Chunhe Dining Hall, Tongji Jiading Campus
Coffee Break	July 7-9	09:50-10:00 15:20-15:40	The 2rd floor of Jiren building, Tongji Jiading Campus
The Conference Banquet	July 7	18:30-20:30	The Grand Enhance Ballroom, Crowne Plaza Shanghai Anting
The Farewell Lunch	July 9	12:30-14:00	The Grand Enhance Ballroom, Crowne Plaza Shanghai Anting

Conference Secretariat

The conference secretariat, based in Tongji University, provides additional support for all participants. If you have any questions or concerns during the conference, please do not hesitate to contact the conference secretariat.

305, Kunyang Int'l Business Plaza
798 Zhaojiabang Rd.
Shanghai, 200030, P.R.China
Email: cictp@fumed.com.cn

Hotel Information

✦ **Crowne Plaza Shanghai Anting** ★ ★ ★ ★ ★
(Website: www. crowneplaza.com)

📍 Add: No. 6555 Boyuan Road, Jiading District, Shanghai 201804, P.R.China
🚶 Distance to venue: 3.2KM

60

✦ **Jiazheng International · Enrgy Hotel** ★ ★ ★ ★ ☆
(Website: www.jiazhenghotel.com)

📍 Add: Anting Town, Jiading District, Shanghai on the 28th Road Mo Yu
🚶 Distance to venue: 5.6 KM

✦ **Xinci Hotel** ★ ★ ★ ☆ ☆
(Website: www.burg-hotel.com)

📍 Add: 29 Moyu Road Anting, Jiading District, Shanghai
🚶 Distance to venue: 5.2 KM

✦ **Xietong Hotel** ★ ★ ★ ☆ ☆
(Website: www.iwenfei.com/web/index17430.html)

📍 Add: 4671 Cao an Road, Jiading, Shanghai
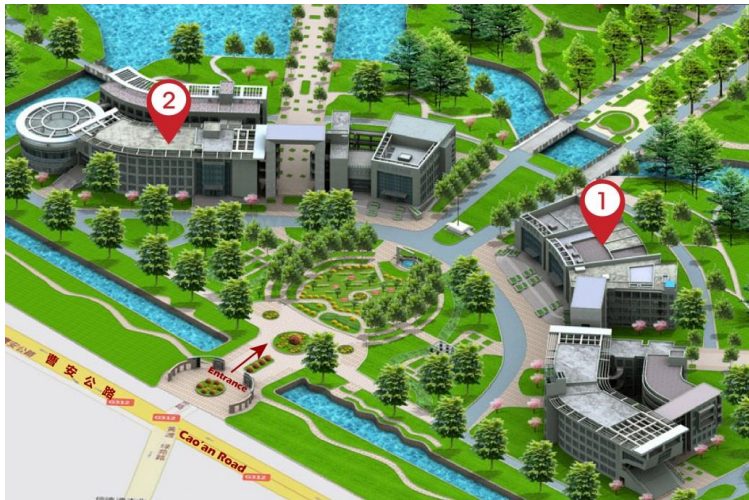
Shanghai City Map

CICTP2017

62
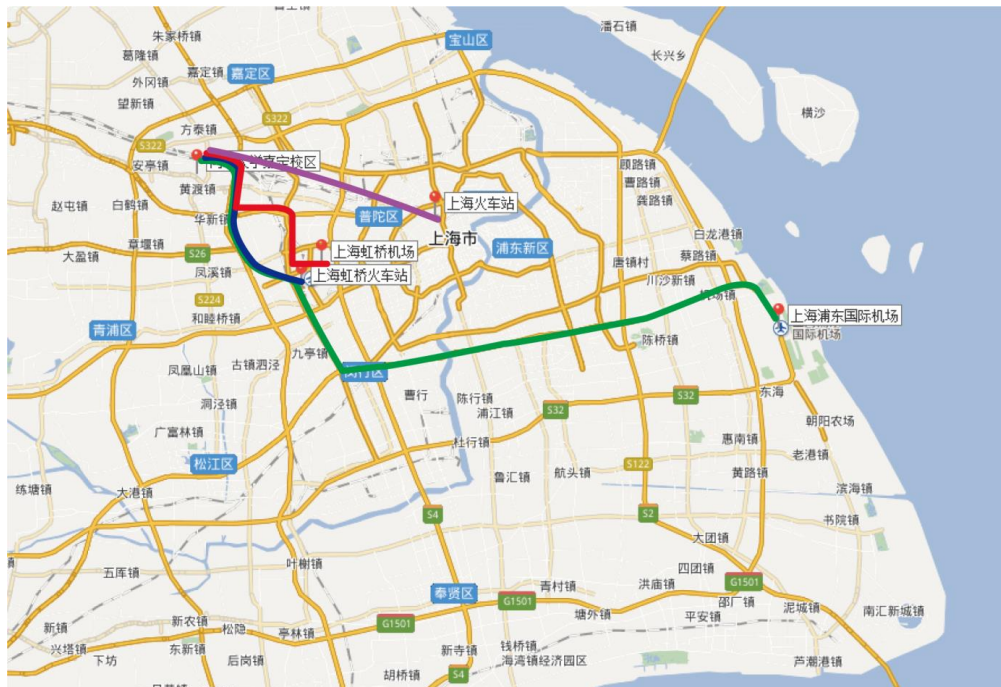
Tongji Jiading Campus Map

同济大学嘉定校区平面图 **Tongji Jiading Campus**

① 济人楼
Jiren Building

② 同心楼
Tongxin Building

③ 春禾苑
Chunhe Dining Hall

同济大学嘉定校区
Tongji Jiading Campus

① 济人楼
Jiren Building

② 同心楼
Tongxin Building

同济大学嘉定校区
Tongji Jiading Campus

① 济人楼
Jiren Building

② 同心楼
Tongxin Building

**Entrance for
Public Vehicles**

Local Transportation

✈

- **Shanghai Hongqiao Airport (SHA) → Tongji Jiading Campus**
DISTANCE: Approximately 20.4 km

BY TAXI:
Fee: 70 CNY
Travel Time：25 Min

BY SUBWAY:
Fee: 8 CNY
Travel Time：2H
LINE 2(ShangHai Hongqiao Railway Station) → LINE 3(Zhong Shan Park Station) →get off at Cao Yang Road Station → BUS Bei An → get off at Cao'an road and Lv Yuan Road

搭乘地铁 2 号线（虹桥 2 号航站楼站）→ 换乘地铁 4 号线(中山公园站) →曹杨路站（4 号口）下车乘坐巴士北安线（安亭汽车站方向）→曹安公路绿苑路站下车步行至同济大学（嘉定校区）

- **Shanghai Pudong Internationla Airport →Tongji Jiading Campus**
DISTANCE: Approximately 79 KM

BY TAXI:
Fee: 274 CNY
Travel Time：2H

BY SUBWAY
Fee: 10 CNY
Travel Time：3H
BUS NO.8 Airpot → get off at Haitian three Road and Qihang Road →LINE 2 East Extension Line →LINE 7 (Long Yang Station) → get off at Zhen Ping Road Station → BUS Bei An → get off at Cao'an road and Lv Yuan Road

搭乘地铁 2 号线（东延伸段）→ 换乘地铁 2 号线（广兰路）→ 换乘地铁 11 号线（江苏路站）→ 上海汽车城站（1 口）下车换乘巴士北安线（安亭汽车站方向）→曹安公路绿苑路站下车步行至同济大学（嘉定校区）

🚆

BY TAXI:
Fee: 112 CNY
Travel Time：50 Min

BY SUBWAY:
Fee: 8 CNY
Travel Time：1h36m
LINE 3 (ShangHai Railway Station) → get off at Cao Yang Road Station → BUS Bei An → get off at Cao'an road and Lv Yuan Road

搭乘地铁 4 号线（上海火车站）→曹杨路站（4 号口）下车乘坐巴士北安线（安亭汽车站方向）→

曹安公路绿苑路站下车步行至同济大学（嘉定校区）

- **ShangHai Hongqiao Railway Station →Tongji Jiading Campus**
DISTANCE: Approximately 20 KM

BY TAXI:
Fee:67 CNY
Travel Time：25 Min

BY SUBWAY:
Fee: 8 CNY
Travel Time：2H
LINE 2(ShangHai Hongqiao Railway Station) → LINE 3(Zhong Shan Park Station) →get off at Cao Yang Road Station → BUS Bei An → get off at Cao'an road and Lv Yuan Road

搭乘地铁 2 号线（上海虹桥火车站）→ 换乘地铁 3 号线(中山公园站) →曹杨路站（4 号口）下车

乘坐巴士北安线（安亭汽车站方向）→曹安公路绿苑路站下车步行至同济大学（嘉定校区）

Shanghai Metro System

SHANGHAI METRO NETWORK MAP