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Technical Committee on: "Travel Information and Traffic Management"

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TC Report 2018



Heng Wei
(Chair)

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Dr. Heng Wei has a wide spectrum of research and teaching expertise and industrial experience in transportation engineering, planning and sustainability, including cooperative intelligent transportation systems (C-ITS) along with Connected and Automated Vehicle technologies and smart transportation development. Since joining UC, he has secured a great number of research grants from ODOT, FHWA, NSF, EPA, and USDOT UTCs as well. His research has resulted in 183 peer-reviewed and referred papers, and he is an author of one book and eight book chapters. He has been awarded with many professional prizes and honors, including UC Distinguished Researcher Award for Excellence in Research in 2013/2015/2018, and Engineering Master Educator Award for Excellence in Teaching in 2014, Beijing Overseas High-Caliber Talents Award in 2017, as well as best paper and presentation awards at international, national and regional levels, respectively. He has also been named for multiple times as one of Honored Faculty/Staff Who Made a Real Difference in the Life of a UC Student. He is currently serving as the Transportation Research Board (TRB) Representative to UC and Advisor to the Institute of Transportation Engineers (ITE) Student Chapter at UC. He has served as a member of numerous outstanding professional committees, such

	<p>as TRB Committee on Artificial Intelligence and Advanced Computing Applications (ABJ70), User Information Systems (AND 20), Transportation in Developing Countries (ABE90), Program Committee for the Ohio Transportation Engineering Conference (OTEC), and ASCE T&DI Committees on i) Advanced Technology and Transportation Safety, ii) Sustainability and Environment; and iii) CAV Impacts. He is Past President of Chinese Overseas Transportation Association (COTA).</p>
 <p>Javier J. Sánchez Medina (Co-Chair)</p>	<p>Ph.D., Professor University of Las Palmas de Gran Canaria, Spain. Email: javier.sanchez.medina@gmail.com Website: http://ulpgc.academia.edu/JavierSanchezMedina</p> <p>Javier J. Sanchez-Medina is an Professor at the Department of Computer Science (DIS), and researcher at the Innovation Center for the Information Society (CICEI), both in the University of Las Palmas de Gran Canaria (ULPGC), Spain. His research interests include traffic modeling and optimization, evolutionary computation and parallel computing.</p>
 <p>Xuesong Zhou (Co-Chair)</p>	<p>Ph.D., Associate Professor School of Sustainable Engineering and the Built Environment Ira A. Fulton Schools of Engineering Arizona State University Email: xzhou74@asu.edu Phone: 480-965-5827 Office: ISTB2 201D</p> <p>Dr. Zhou's research interests include dynamic traffic assignment (DTA), traffic estimation and prediction, large-scale routing and rail scheduling. He has been assisting the Federal Highway Administration (FHWA) to develop and provide technical support for DYNASMART, a large-scale simulation-based DTA system. He serves on the TRB Committee on Transportation Network Modeling (ADB30). He also serves the Chair of the Transportation Research Board Network Equilibrium Modeling Subcommittee ADB30(2) and Vice-Chair of IMFORMS, Railway Application Session (RAS)</p>

Organized Events and Activities

1. Conferences

Year	Conference name	Organizers & functions
2017	1st World Transport Convention, Beijing, China. June 4-6, 2017.	Chair of Energy and Environment Committee (Track of Urban Planning): Heng Wei
2017	COTA International Conference of Transportation Professionals (CICTP 2017), Tongji University, China. July 7-9, 2017.	Chair of Organizing Committee : Haizhong Wang; Members: Heng Wei, Guihui Zhang, Jianming Ma
2018	2nd World Transportation Convention, Beijing, China. June 18-19, 2018.	Chair of Energy and Environment Committee (Track of Urban Planning): Heng Wei
2018	The 1st International Forum on Traffic Big Data and Smart Transportation, Shandong Jiaotong University, Jinan, China. June 30, 2018.	Chair of Organizing and Executive Committee, and Plenary Session : Heng Wei
2018	COTA International Conference of Transportation Professionals (CICTP 2018),	Members of Organizing Committee: Guohui Zhang, Haizhong Wang, Jianming Ma, Heng Wei

Year	Conference name	Organizers & functions
	Tsinghua University, China. July 5-8, 2018.	
2018	2018 COTA International Symposium on Emerging Trends in Transportation (ISETT), Hyatt Regency Waikiki Beach, Hawaii. October 4-6, 2018.	Chairs of Executive Committee: Guohui Zhang and Heng Wei
2018	21st IEEE International Conference on Intelligent Transportation Systems, Maui, Hawaii, November 4-7, 2018	Program Chair: Javier J. Sánchez Medina

2. Workshops and Tutorials

Year	Workshop/tutorial title	At Conference	Organizers (TC members)	Participants (estimated #)
2017	2nd Smart City-Driven Traffic Information Engineering and Control Discipline Development Forum	COTA International Conference of Transportation Professionals (CICTP 2017), Tongji University, China. July 8, 2017.	Heng Wei; Guohui Zhang	80

3. Organized Sessions

Year	Invited/special technical session title	Conference Host	Organizers/Moderator
2017	"Energy and Environment" on the Track "Transportation Planning"	1st World Transport Convention, June 4-6, 2017. Beijing, China.	Heng Wei
2017	Chair TP3. Urban Agglomerations and Regional Transport.	2nd Transportation Research Congress, Beijing, China. May 25, 2017.	Heng Wei
2017	Session "Research to Improve Safety".	Ohio Transportation Engineering Conference (OTEC), Columbus, Ohio, October 10-11, 2017	Heng Wei
	Session "Sustainable Connected and Automated Transport".	ASCE International Conference on Transportation and Development. Pittsburgh, Pennsylvania. July 16, 2018	Heng Wei
2018	Session 23: Data Driven Safety Analysis.	Ohio Transportation Engineering Conference (OTEC), Columbus, Ohio, October 2, 2018	Heng Wei
2018	Session 2D: Dynamic Traffic Assignment and Automated Vehicle Systems	2018 COTA International Symposium on Emerging Trends in Transportation (ISETT), Hyatt Regency Waikiki Beach, Hawaii. October 4-6, 2018.	Guihui Zhang
2018	Session 2B: Hybrid Mobility System based on Technology Innovations	2018 COTA International Symposium on Emerging Trends in Transportation (ISETT), Hyatt Regency Waikiki Beach, Hawaii. October 4-6, 2018.	Heng Wei

4. Special Issues in Journals or Editor of Other

Publications

Year	Title	Journal	Editor
2018	Proceedings of 2018 COTA International Symposium on Emerging Trends in Transportation (ISETT), Hyatt Regency Waikiki Beach, Hawaii. October 4-6, 2018.		Lei Zhang, Heng Wei, Haizhong QWang, Guohui Zhang

5. **Book and Book chapters**

Year	Title	Journal/Publisher	Editors or Guest-Editors

6. **Competitions**

Year	Title	Object	Organizer

7. **Other Activities**

Future Plan (2018-19)

Increasing TC membership, including members from industry field and government agencies.

Coordinating with other co-chairs for organizing special sessions for ITSC 2019 and CICTP 2019 (Nanjing, China in July 2019) or ASCE ICDT 2019 for a special forum or workshop or session.

Submitting an article on update of current status of the areas of the TC's interest to IEEE ITS Magazine.

Continue to work around the designated goal and scope in providing a platform for timely addressing the challenges and sharing research and practical experiences in the state-of-the-art/practice development of traveler information and traffic management areas, including connected vehicles, in conjunction with the goal of ITSS.

Update TTM website.