



“TC on Travel Information and Traffic Management (TTM): *IEEE ITSS Technical Committee on Travel Information and Traffic Management*”

<http://homepages.uc.edu/~weihg/itssttm.html>

Briefing Report, April 26, 2017

1 - WORK PLAN FOR 2017

Congratulations on Dr. Javier J. Sánchez Medina, Co-Chair of TC who has been honorably elected as the IEEE Intelligent Transportation Systems Society's VP for Technical Activities! On behalf of TC on TTM, he has actively involved lots of major events during the ITSS flagship conferences in 2017. His new position as VP will meanwhile well support the growth of the TC on TTM.

During the 2017, the current TC on TTM is planned to rebuild its officer rules of the committee membership to resume its viability with promoted new development plan for 2018. Despite the special transition period in 2017, the technical committee members are playing a critical role in planning or organizing some influential international activities on behalf of TC on TTM; for example,

- COTA International Conference of Transportation Professionals (CICTP 2017) to be held July 7-9, 2017, in Shanghai, China (Haizhong Wang, Chair of Conference Organization Committee, Editor-in-Chief of ASCE CICTP2017 Proceedings; Heng Wei, Member of Conference Organizing Committee)
- Second Smart City-Driven Traffic Information Engineering and Control Discipline Development Forum to be held on July 8, 2017 in Shanghai (Heng Wei and Guohui Zhang, Co-Chairs of the Program Committee)
- World Transport Convention to be held June 4-5, 2017 in Beijing, China (Heng Wei, Chair of Energy and Environment Session under Track IV Transportation Planning)

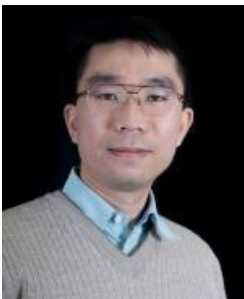
2 - A LIST OF UP-TO-15 TECHNICAL COMMITTEE MEMBERS



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 smart city 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 180 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 and 2015, 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 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 Past President of Chinese Overseas Transportation Association (COTA).



Xuesong Zhou (Co-Chair)

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Dr. Zhou's research interests include dynamic traffic assignment (DTA), traffic estimation and prediction, large-scale routing and rail scheduling.

	<p>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>
 <p>Javier J. Sánchez Medina (Co-Chair)</p>	<p>Ph.D., Associate 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 Associate 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>

Current Active Members of TC on TTM:

- Dr. Zhixia Li, Assistant Professor, University of Louisville, USA
- Dr. Nitin Maslekar, Research Scientist, ITS Group, NEC Laboratories Europe, Germany
- Dr. Byungkyu (Brian) Park, Associate Professor, University of Virginia, USA
- Dr. Haizhong Wang, Assistant Professor, Oregon State University, USA
- Dr. Xuesong Wang, Professor, Tongji University, China
- Dr. Jianming Ma, Sr. Engineer, TxDOT, USA
- Dr. Xuedong Yan, Professor, Beijing Jiaotong University, China
- Dr. Meng Li, Associate Professor, Tsinghua University, China
- Dr. Zhen (Sean) Qian, Assistant Professor, Carnegie Mellon University, USA
- Professor Jianjun Shi, Beijing University of Technology, China
- Dr. Guohui Zhang, Assistant Professor, University of Hawai'i at Manoa, USA
- Dr. Xuefu (Frank) Zhou, Associate Professor, University of Cincinnati, USA
- Dr. Hao Liu, Postdoc Researchers, PATH, University of California-Berkeley, USA
- Dr. Xuewei (Tony) Qi, Researcher and PI, Center for Environmental Research & Technology, University of California-Riverside
- Dr. Harikishan Perugu, Research Engineer, California Air Resource Board, USA

3 - ATTENDANCE TO ITSC2017

Dr. Heng Wei and Dr. Javier J. Sánchez Medina will surely attend the ITSC2017. Other members will determine later on based on their paper acceptance and financial status to support their international travels.

4 - A TECHNICAL COMMITTEE DESCRIPTIVE TEXT

The TC on “Travel Information and Traffic Management” is affiliated with the IEEE ITS Society (ITSS) as a TC member in the ITSS family. The TC has been motivated to address the challenges in revolutionizing the way the traveling public travel from place to place and improving travel time reliability by providing the timely reliable traffic and traveler information. With the rapid development of emerging disruptive technologies (e.g., Internet of Things – IoT, Connected Automated Vehicles – CAV, bike sharing, electronic bus, Uber, Zipcar, and artificial intelligence – AI, as well as machine learning techniques), it is high time to contemplate how we can modernize our traveler information and traffic management to collectively extend the competitive edge well into the next decade. Therefore, the TC activities during 2017-2018 will be focused on Smart City challenge, connected automated vehicles and other disruptive transportation technologies, relevant data analytics and traffic network resilience, and relevant safety, mobility and environmental impact issues.