AGENDA – 2017 COTA TRB WINTER SYMPOSIUM

CHINATOWN (M3), MARRIOTT MARQUIS
WASHINGTON DC, JAN 08, 2017

08:00 – 08:30 MEMBER REGISTRATION

08:30 – 08:40 OPENING REMARK

Dr. Yu Zhang, COTA President & University of South Florida

08:40 – 10:10 SESSION 1: BIG DATA ANALYTICS

Moderator: Dr. Shanjiang Zhu, George Mason University

1. **Does Mobike Bring People Back to Bicycle?**
   Dr. Yuchuan Du, Tongji University
2. **Stochastic Model for Decomposing Journey Time in Mass Transit**
   Dr. Xiaoyan Xie, École des Ponts ParisTech
3. **Data Management in Large Transportation Networks**
   Dr. Xiaoqian Sun, Beihang University
4. **Accurate Perception, Guidance, and Service for Urban Population Travel Supported By Big Data**
   Dr. Yanyan Chen, Beijing University of Technology

10:10 – 10:30 MORNING BREAK

10:30 – 12:00 SESSION 2: SUSTAINABLE MOBILITY

Moderator: Dr. Haizhong Wang, Oregon State University

1. **Data-Driven Autonomous Learning for Fuel Efficient Driving of Plug-in Hybrid Electric Vehicles**
   Dr. Xuewei Qi, University of California at Riverside
2. **Alternative Intersection/Interchange Designs: Low Cost Way to Preserve Mobility**
   Dr. Wei Zhang, FHWA
3. **Pay-As-You-Drive-And-You-Save (PAYDAYS) Insurance Actuarial Study**
   Dr. Xianbiao Hu, Metropia
4. **Instrumental Rationality and Value Rationality In Traffic Systems**
   Dr. Hongzhi Guan, Beijing University of Technology

12:00 – 13:20 LUNCH BREAK

13:20 – 14:50 SESSION 3: EMERGING TECHNOLOGIES

Moderator: Dr. Ke Han, Imperial College London

1. **Velocity Coordination of Cooperative Vehicles At Junctions**
   Dr. Meng Wang, Delft University of Technology
2. **How Will Technologies Change Our Way of Doing Signal Timing and Coordination**
   Dr. Zong Tian, University of Nevada, Reno
3. **Paving the Way to Connected Automation: Integrated Vehicles and Infrastructure in a Future Transportation Environment**
   Dr. Jiaqi Ma, Leidos
4. **A Framework for The Optimization of Terminal Airspace Operations in Multi-Airport Systems**
   Dr. Ke Han, Dr. Stavros Sidiropoulos, Imperial College London

14:50 – 15:10 AFTERNOON BREAK

15:10 – 15:40 COTA DISSERTATION AWARD CEREMONY

Moderator: Dr. Heng Wei, University of Cincinnati

Best Dissertation Award Winner: **Dr. Dapeng Zhang**, Rensselaer Polytechnic Institutes, 'A Joint Response Model for Matched Decision Makers: Exploring Decision Making Mechanism for Mutually-selected Agents'
Dissertation Advisor: Dr. Cara Wang, Rensselaer Polytechnic Institute

Best Dissertation Award Nominees:

Dr. Cong Chen, University of New Mexico, 'Data-Driven Bayesian Method-Based Traffic Crash Driver Injury Severity Formulation, Analysis, and Inference',
Dissertation Advisor: Dr. Guohui Zhang

Dr. Yanshuo Sun, University of Maryland, 'Stochastic Models for Airport Facility Development',
Dissertation Advisor: Dr. Paul Schonfeld

15:20 – 15:40 Presentation by Dr. Dapeng Zhang

15:40 – 17:20 SESSION 4: PANEL DISCUSSION: CAREER DEVELOPMENT FOR YOUNG PROFESSIONALS

Moderator: Dr. Guohui Zhang, University of Hawaii Manoa

Panelists:

Dr. Yanyan Chen, Beijing University of Technology
Dr. Helai Huang, Central South University
Dr. Pan Liu, Southeast University
Dr. Zhigang Xu, Chang'an University
Dr. Chi Xie, Shanghai Jiaotong University
Dr. Xuan (Sharon) Di, Columbia University
Dr. Wenjing Pu, FHWA
Dr. Yuxiong Ji, Tongji University
Dr. Li Wang, North China University of Technology
Dr. Ming Cai, Sun Yat-Sen University

17:20 – 17:30 CLOSING REMARK

Dr. Lei Zhang, COTA Vice President & University of Maryland