

Track G: Traffic Operations

Monday, June 10, 2019 (Room: TBA)

Track Chair: Bob Bryson, City of Milwaukee (Retd.)



1:30 to 3:00 PM

Infrastructure System Readiness for Automated Vehicles

Moderator: TBA

- **Roadway Infrastructure System Readiness for Automated Vehicles: Insights from the 2018 National Dialogue**, John Corbin, *FHWA*
- **Industry Perspectives on Innovation in Traffic Control Devices for Automated Vehicles**, Ken Smith, *3M*
- **Fully Automated Multiple-level Bicycle Parking System for Maximized Use of Urban Land Space**, Takefumi Takuma and Masashi Nagano, *Giken America Corp.*

3:30 to 5:00 PM

Innovation in Signalized Intersection Control

Moderator: TBA

- **GDOT Connected Vehicle Deployment – Plans & Progress**, Alan Davis, *Georgia DOT*
- **Evaluation of Motorists' Driving Experience Along Coordinated Signalized Links**, Bhaskar Paul, Bhargab Maitra, and Sudeshna Mitra, *ITT Kharagpur*
- **Evaluation of the Adaptive Transit Signal Priority of the Vissim Ring Barrier Controller**, Kianoush Kompany, *RK&K*; Montair Abbas, *Virginia Polytechnic Institute and State University*
- **Developing a Cost-effective Functioning Tabletop Model for Traffic-Actuated Signalized Intersections**, Aly Tawfik, Tranice Warner, and Enaas Hasan, *California State University, Fresno*; Ihab Elzaanoun, *California DOT*

Track G: Traffic Operations

Tuesday, June 11, 2019 (Room: TBA)

Track Chair: Bob Bryson, City of Milwaukee (Retd.)



1:30 to 3:00 PM

Urban Streetscapes for Smart Mobility and Sustainability

Moderator: TBA

- **Modeling Impacts of Bicycle Sharing Systems in Different Urban Densities**, Cameron Healy, *Naval Undersea Warfare Center*
- **Connecting the Dots - Develop Bicycle network in Small Towns**, Jing Zhang, *Morgantown Monongalia MPO*
- **Exploring Different Perception Levels of Sidewalks in the Context of Safe Routes to School**, Seri Park, Nicholas Zoccoli, Tommy Luo, and Michael Crimmins, *Villanova University*

3:30 to 5:00 PM

Advanced Traffic Control Systems and Devices

Moderator: TBA

- **Driver Understanding of Supplemental Yield Pavement Markings at Roundabouts**, Beau Burdett, Madhav Chitturi, Andi Bill, David Noyce, *University of Wisconsin*; Ibrahim Alsgan, *KFUPM*
- **An Economical Traffic Control Device for Originally Unsignalized Intersections with Autonomous Vehicles and Human-Driven Vehicles Mixed Traffic**, Yu Song, Ge Shi, and David Noyce, *University of Wisconsin*
- **Drivers' Response to Variable Message Signs in Dynamic Lane Assignment Application Using Artificial Neural Networks and Other Traditional Techniques**, Khaled Assi, Nedal Ratrouf, *KFUPM*; Majed Al-Ghandour, *NCDOT*
- **Study on the Traffic Flow Characteristics of Highway Contraflow Lanes During Emergency Evacuation**, Leyu Wei, Zingli Jia, Menghui Li, and Zhang Xiaodong, *Chang'an University*

Track G: Traffic Operations

Wednesday, June 12, 2019 (Room: TBA)

Track Chair: Bob Bryson, City of Milwaukee (Retd.)



9:15 to 10:45 AM

Innovation in UAV Delivery

Moderator: TBA

- **UAS Package Delivery Opportunities: Possible Threats and Opportunities for State and Local Governments**, Daniel Friedenzohn, *Embry-Riddle Aeronautical University*
- **Transportation Impacts of Delivery Drones**, Erica Wygonic, *RSG*

11:00 AM to 12:30 PM

Toward Safe and Efficient Freight Operation

Moderator: TBA

- **Towards a Smart Urban Freight Plan**, Maggie Dong, Varanesh Singh, and Lian Duan, *ARUP*; Diniece Peters, *NYCDOT*; Joseph Dack, *HDR*
- **Regional Improvements of Multi-State Freight Corridors Based on Economic Value and Bottleneck Deficiencies**, Ernie Perry, Sue Ahn, and Youngjun Han, *University of Wisconsin*
- **Urban Freight - A Neglected Aspect in the Mobility Landscape of Proposed Smart Cities in India**, Pankaj Kant and Sanjay Gupta, *School of Planning and Architecture, Delhi*
- **Freight Oriented Development and Mobility in Smart Cities**, Amiy Varma, *North Dakota State University*