

## Track C: Transportation Safety

Monday, June 10, 2019 (Room: TBA)

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

1:30 to 3:00 PM

**Safety Effects of Roadway Elements & Traffic Control**

Moderator: TBA

- **Investigation of Factors Affecting Speed at Horizontal Curves of a Two Lane Rural Highway in Mixed Traffic Operation**, Sudipa Chatterjee, Tate Nalo and Sudeshna Mitra, *ITT Kharagpur*
- **A Computational Technique for Vulnerability Analysis of Median Barriers**, Qian Wang, *Manhattan College*; Hongbing Fang, *University of North Carolina at Charlotte*
- **Assessing the Impact of Protected Bicycle Infrastructure on Driver Behavior**, Aikaterini Deliali, Francis Tainter, Nicholas Campbell, Eleni Christofa and Michael Knodler, *University of Massachusetts Amherst*
- **Shared Bus-Bike Lane Safety Analysis: Assessing Multimodal Access and Conflicts Using Computer Vision Tools**, Istiak Bhuyan and Celeste Chavis, *Morgan State University*

3:30 to 5:00 PM

**Railroad Grade Crossing Safety**

Moderator: TBA

- **National Crossing Inventory and Emergency Notification System (ENS)**, James Dahlem, *Federal Railroad Administration*
- **Advanced Railroad Grade Cross Technologies in North Carolina**, Matthew Simmons, *North Carolina DOT*
- **Advanced Information Systems at Railroad Grade Crossings**, Garreth Rempel, *TRAINFO*

## Track C: Transportation Safety

Tuesday, June 11, 2019 (Room: TBA)

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



1:30 to 3:00 PM

**Crash Prediction and Assessment**

Moderator: TBA

- **"If it ain't broke..." and Other Safety Lessons**, Kendra Schenk, *Burgess and Niple, Inc.*
- **Predicting Vulnerable Road User Crashes Based on Seasonable Pattern**, Wei Zhang and Chenhui Liu, *FHWA*
- **Predictive Safety Assessment Tool for Urban Roadway Facility Conversion: An Application of Highway Safety Manual**, Mouyid Islam, *CUTR*

3:30 to 5:00 PM

**Big Data Collection and Analysis to Achieve Vision Zero**

Moderator: TBA

- **Designing for Sustainable Safety and Vision Zero**, Melany Alliston-Brick, Emily Koehle, and Megan McCarthy Graham, *Toole Design Group, LLC*
- **Toward Vision Zero – A Novel Framework for Detecting, Classifying, and Logging Live Traffic Conflict Events**, Jidong Yang, *Kennesaw State University*
- **A Methodology for Analyzing Intersection Safety**, Grant Schultz and Mitsuru Saito, *Brigham Young University*; Joshua Gibbons, *Hales Engineering*
- **Visual and Driving Behavior Measures for Detecting Distraction-Related Crashes and Near-Crashes: A Naturalistic Driving Study**, Peter Bakhit, *Arcadis*; Bishoy Kelleny and Sherif Ishak, *Old Dominion University*



## Track C: Transportation Safety

Wednesday, June 12, 2019 (Room: TBA)

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



9:15 to 10:45 AM

**Financial, Legal, and Policy Issues for Transportation Safety**

Moderator: TBA

- **Predictive Analytics for Law Enforcement to Improve Traffic Safety**, Andi Bill, *University of Wisconsin*
- **Explore First Order Approximation of Energy Equivalence of Safety at Intersections**, Lei Zhu and Stan Young, *National Renewable Energy Lab (NREL)*
- **Brazilian Alcohol Consumption Policy: The Effects of Law n. 11,705/08 on Morbidity and Mortality Due to Traffic Accidents**, Mauricio Barbosa Cruz and Paulo Henrique Araujo, *University of Goias*

11:00 AM to 12:00 PM

**Research Related to Crash Problem Identification and Prevention**

Moderator: TBA

- **A Driving Simulator Study Evaluating Secondary Crashes for Prevention Purposes**, Michael Williamson, *Indiana State University*
- **Modeling the Surrogate Safety of Various Left-Turn Phase Sequences**, Rohith Prakash Panthangi, *AECOM*; Francis Tainter, *University of Massachusetts Amherst*
- **City of Lakeland, FL: Intersection Collision Avoidance Safety Program – iCASP**, Angelo Rao, *City of Lakeland*
- **Operational Analysis of School Zones Using a Driving Simulator**, Didier Valdes, Benjamin Colucci, Alberto Figueroa, Enid Colon Torres, Maria Rojas, Ricardo Garcia, Yindhira Taveras, Ivelisse Ramos, and Carolyn Arroyo, *University of Puerto Rico at Mayaguez*