

USF Center for Urban Transportation Research Guide to the TRB 2019 Annual Meeting

Session Types: C = Committee, L = Lectern, P = Poster, PRP = Practice Ready Paper, W = Workshop

Time	Name	Title	Session No.	Type
Sunday, January 13				
9:00 am - 12:00 pm	Robert Bertini, Judge	Three-Minute Thesis Competition: Concise Portrayal of Research Discovery to Nonspecialist Audience	1037	W
9:00 am - 12:00 pm	Runan Yang	Safety Effects of Street Lighting on Roadway Segments: Development of a Crash Modification Function	1032	W
Monday, January 14				
8:00 am - 9:45 am	Dongfang Zhao, Suryaprasanna Kumar Balusu, Parvathy Vinod Sheela, Xiaopeng (Shaw) Li	Weight-Categorized Truck Flow Estimation: A Data-fusion Approach and a Florida Case Study	1148	P
10:15 am - 12:00 pm	Steven Polzin	Planning strategies for addressing massive uncertainty	1168	L
10:15 am - 12:00 pm	Kristine Williams	Installation of Medians to Replace Two-Way Left Turn Lanes: Engaging the Business Community	1193	L
10:15 am - 12:00 pm	Yu Zhang, presiding	Air Traffic Management to Enhance the Utilization of Airfield and Airspace Capacity	1210	L
10:15 am - 12:00 pm	Yu Zhang	Characterizing Day-To-Day Airport Delay Profiles with a Network Approach	1210	L
10:15 am - 12:00 pm	Yu Zhang	A PROPAGATION INDEX ON AIRPORT DELAYS	1210	L
12:00 pm - 1:30 pm	Robert Bertini, presiding	Operations Section Executive Board		C
1:30 pm - 3:15 pm	Pei-Sung Lin, Achilleas Kourtellis	Application of Demographic Analysis to Pedestrian Safety	1291	P
1:30 pm - 3:15 pm	Victoria Perk, presiding	Bus Capacity and Its Implications for Bus Operations	1278	L
1:30 pm - 3:15 pm	Amy Lester, Philip Winters, Minh Pham	Segment: Applicability of an Existing Segmentation Technique to Transportation Demand Management (TDM) Campaigns in the United States	1288	P
1:30 pm - 3:15 pm	Yu Zhang	Driver Fixation Transfer Characteristics in Urban Tunnels	1311	P
3:45 pm - 5:30 pm	Mouyid Islam, Chanyoung Lee	An Empirical Analysis on Temporal Stability of Factors in Work-Zone Crashes in Florida: A Random Parameters Heterogeneity-in-Means Approach	1366	P
3:45 pm - 5:30 pm	Mouyid Islam, Seckin Ozkul	Identifying Fatality Risk Factors for the Commercial Vehicle Driver Population	1367	P
3:45 pm - 5:30 pm	Alexander Kolpakov	Clean Vehicle Policies at Public Use Airports	1371	P
3:45 pm - 5:30 pm	Yu Zhang	Aircraft Carbon Dioxide Emission and Spatial Characteristics of a Regional Multi-Airport	1371	P
3:45 pm - 5:30 pm	Yuan Wang	Impacts of Automated Vehicles to Airport Landside Terminal Planning, Design, and Operation	1372	P
6:00 pm - 7:30 pm	Jorge Adorno Nieves, Minh Pham, Sean Barbeau, Miguel A. Labrador, Robert Bertini	SCALABLE REAL-TIME TRANSIT DATA ARCHIVING: A FRAMEWORK FOR PERFORMANCE ASSESMENT AND MACHINE LEARNING PREDICTION	1298	P
6:00 pm - 7:30 pm	Amir Ghiasi	Empirical Analysis and Modeling of a Bundled Connected Automated Vehicle Application Using Experimental Data	1381	P
6:00 pm - 7:30 pm	Omar Hussain, Amir Ghiasi, Xiaopeng (Shaw) Li	Lane Management with Variable Lane Width and Model Calibration for Connected Automated Vehicles	1384	P
6:00 pm - 7:30 pm	Yu Wang, Xiaopeng (Shaw) Li	Trajectory Optimization for a Connected Automated Traffic Stream: Comparison Between An Exact Model and Fast Heuristics	1384	P
6:00 pm - 9:30 pm	Lisa Staes, presiding	Transit Safety and Security Task Force		C

Time	Name	Title	Session No.	Type
Tuesday, January 15				
8:00 am - 9:45 am	Jodi Godfrey, Gennaro Saliceto, Roberta Yegidis	The Role of Public Transportation in a Natural Disaster State of Emergency Declaration	1150	P
8:00 am - 9:45 am	Cong Chen	COMPARING MACHINE LEARNING AND DEEP LEARNING METHODS FOR REAL-TIME CRASH PREDICTION	1412	L
8:00 am - 9:45 am	Mouyid Islam	Analysis of Driver Injury Severity in Single-Vehicle Roadway Departure Crashes on Curved Rural Segments With a Mixed Logit Approach	1438	P
8:00 am - 9:45 am	Jodi Godfrey, Lisa Staes, Jennifer Flynn	Event Data Recorders for Transit Bus	1440	P
8:00 am - 9:45 am	Lisa Staes, presiding	Selected Topics in Transit Safety, Security, and Emergency Management	1440	P
10:15 am - 12:00 pm	Xiaopeng (Shaw) Li	Trajectory Design of Connected Automated Traffic: Feasibility Analysis and Parsimonious Modeling	1469	L
10:15 am - 12:00 pm	Julie Bond, Erin Scheffels, Lorraine Monteagut	FRAMING THE BICYCLIST: A QUALITATIVE STUDY OF MEDIA DISCOURSE ABOUT FATAL BICYCLE CRASHES	1478	L
10:15 am - 12:00 pm	Nikhil Menon, Yu Zhang, Fred Mannering	A Statistical Analysis of Consumers' Perceptions towards Automated Vehicles and Their Intended Adoption	1493	P
10:15 am - 12:00 pm	Rakesh Rangawsamy, Zhenyu Wang, Chanyoung Lee, Pei-Sung Lin, Abhijit Vasili	Evaluation of Dynamic Speed Feedback Sign to Improve Motorcycle Safety on Horizontal Curves Along Rural Roads	1500	P
10:15 am - 12:00 pm	David Lamb, Chanyoung Lee	Measuring Changes in the Spatiotemporal Patterns of Motorcycle Fatalities in the U.S.	1500	P
10:15 am - 12:00 pm	Runan Yang, Zhenyu Wang, Chanyoung Lee, Pei-Sung Lin, Chunfu Xin	A Mixed Logistic Study of Motorcyclists at Fault in Two-Vehicle Crashes on Horizontal Curves	1500	P
12:00 pm - 2:00 pm	Dennis Hinebaugh, presiding	Public Transportation Group Executive Board		C
1:30 pm - 3:15 pm	Dongfang Zhao, Xiaopeng (Shaw) Li	Electric Vehicle Sharing Based "Energy Sponge" Service Interfacing Transportation and Power Systems	1515	L
1:30 pm - 3:15 pm	Chunfu Xin, Qing Lu, Md Mokaddesul Hoque	MODELING THE EFFECTS OF ASPHALT OVERLAY DESIGN FACTORS ON LONG-TERM POST-OVERLAY ROUGHNESS PROGRESSION WITH RANDOM EFFECTS LINEAR REGRESSION MODEL	1524	L
1:30 pm - 3:15 pm	Zhenyu Wang, Runan Yang, Pei-Sung Lin, Chunfu Xin	A Matched Case-Control Safety Study of Street Lighting Uniformity Along Urban Roadway Segments	1536	L
1:30 pm - 3:15 pm	Lisa Staes, Chair - presiding	Selected Topics in Bus Transit Safety	1538	L
1:30 pm - 3:15 pm	Jodi Godfrey, Lisa Staes	Transit Bus Crashworthiness	1538	L
1:30 pm - 3:15 pm	Rakesh Rangawsamy	A Simulation-based Study of Right-Turn Deceleration Lane for Operational Impacts on Multimodal Users at Signalized Intersections	1553	P
1:30 pm - 3:15 pm	Mostafa Hajj	Integrating Project Spatial Coordinates into Pavement Management Prioritization	1555	P
1:30 pm - 5:30 pm	Yu Zhang, presiding	Airfield and Airspace Capacity and Delay Committee		C
3:45 pm - 5:30 pm	Robert Bertini, presiding	Platoon-Level to Network-Level Traffic Flow Analysis, Modeling, and Control	1599	L
3:45 pm - 5:30 pm	Steven Polzin	Positioning Transit to Compete as Technology Transforms Transportation	1606	L
3:45 pm - 5:30 pm	Cong Chen	A Spatiotemporal Bayesian Hierarchical Approach to Analyze Alcohol/Drug Impaired-Driving Related Traffic Crashes by Severity	1632	P

Time	Name	Title	Session No.	Type
3:45 pm - 5:30 pm	Sara Hendricks, Sean Barbeau, Ann Joslin	Transit Customer Satisfaction with Mobile Fare Payment	1636	P
5:30 pm - 7:00 pm	Dennis Hinebaugh, presiding	Transit Caucus (sponsored by Lyft)		C
6:00 pm - 7:30 pm	Michael Maness	Providing Free Charging Infrastructure: An Exploratory Study of Energy Impacts and Electric Vehicle Sales	1648	L
6:00 pm - 7:30 pm	Xiaopeng (Shaw) Li	Analysis of Relationships in Traffic Oscillation Features with Field Experiments	1657	P
6:00 pm - 7:30 pm	Amir Ghiasi, Xiaopeng (Shaw) Li	A Joint Trajectory and Signal Optimization Model for Connected Automated Vehicles	1658	P
Wednesday, January 16				
8:00 am - 9:45 am	Lisa Staes, presiding	Selected Topics in Rail Transit Safety	1683	L
8:00 am - 9:45 am	Kevin Dennis, Maxat Alibayev, Sean Barbeau, Jay Ligatti	Cybersecurity in Public Transportation: A Literature Review	1691	P
8:00 am - 9:45 am	Saeid Soleimaniamiri, Xiaopeng (Shaw) Li	Scheduling of Heterogeneous Connected Automated Vehicles at a General Conflict Area	1704	P
8:00 am - 9:45 am	Tingting Zhao, Zhiqiang Wu, Yu Zhang	Bi-Objective Optimization of Integrated Design of Dynamic Wireless Charging Facility and On-Board Battery Size for Electric Bus Systems	1709	P
2:30 pm - 4:00 pm	Eren Yuksel, Robert Bertini, Seckin Ozkul, Nikhil Menon	LEVERAGING A PERMANENT FREIGHT DATA COLLECTION INFRASTRUCTURE AND ARCHIVE SYSTEM: VISUALIZING URBAN TRUCK TEMPORAL AND SPATIAL DYNAMICS	1757	L
2:30 pm - 4:00 pm	Michael Maness, presiding	Behavioral Network Analysis	1779	P
2:30 pm - 4:00 pm	Zhiwei (Nicklaus) Chen, Xiaopeng (Shaw) Li	Continuous Modeling for Design of a Shuttle System With Modular Vehicles	1780	P
2:30 pm - 4:00 pm	Xiaopeng (Shaw) Li	A Linear-Time Sweeping Algorithm for Discretization of Continuum Approximation for Network Location Problems	1780	P
Thursday, January 17				
8:00 am - 12:00 pm	Sisinnio Concas	Introduction to TRIMMS	1790	W

<https://annualmeeting.mytrb.org/interactiveprogram>