

CSCRS @ TRB 2021

SESSION #	EVENT TAG	EVENT TITLE	NAME	ROLE	PRESENTATION TITLE	ORGANIZATION	DATE	START TIME	END TIME
Subcommittee ACP70(2)	Data and Information Technology, Pedestrians and Bicyclists	Bicycle and Pedestrian Data5 Subcommittee	Sarah O'Brien	Presiding		UNC Highway Safety Research Center	Thursday, January 07, 2021	2:00 PM	3:30 PM
Committee ACH10	Pedestrians and Bicyclists, Research (about research)	Pedestrians Committee	Laura Sandt	Presiding		UNC Highway Safety Research Center	Thursday, January 07, 2021	10:00 AM	1:00 PM
Committee AJE45	Data and Information Technology, Administration and Management	Information and Knowledge Management Committee	Kendra Levine, Frances Harrison	Co-presiding		UC Berkeley, Spy Pond Partners, LLC,	Thursday, January 07, 2021	2:00 PM	3:30 PM
Committee AJE45	Data and Information Technology, Administration and Management	Information and Knowledge Management Committee	Kendra Levine	Presiding		UC Berkeley	Thursday, January 07, 2021	2:00 PM	3:30 PM ET
Committee AKG30	Geotechnology, Environment	Geo-Environmental and Climatic Impacts on Geomaterials Committee	Benjamin Worel, Angelica Palomino	Co-presiding		Minnesota Department of Transportation, UT Knoxville	Tuesday, January 12, 2021	10:00 AM	1:00 PM
Committee AMS50	Economics, Planning and Forecasting, Finance	Economic Development and Land Use Committee	John Renne, Michael Lawrence	Co-Presiding		Florida Atlantic University, Jack Faucett Associates, Inc.	Wednesday, January 13, 2021	2:00 PM	3:30 PM
Committee AP020(3)	Public Transportation, Society	Equity of New Mobility Services and Technologies Subcommittee	Adam Cohen, Charlotte Frei	Co-presiding		UC Berkeley, CDM Smith	Tuesday, January 05, 2021	10:00 AM	11:30 AM
Committee AP030	Public Transportation	Public Transportation Marketing and Fare Policy Committee	Candace Brakewood	Presiding		UT Knoxville	Friday, January 08, 2021	4:00 PM	5:30 PM
E0000		TRB Executive Committee (by invitation only)	Susan Shaheen	Member		UC Berkeley	Tuesday, January 26, 2021	11:30 AM	1:00 PM
Lectern Session 1245	Public Transportation	Innovation in Public Transit: Experiences with New Fare Payment Systems	Candace Brakewood	Presiding		UT Knoxville	Tuesday, January 26, 2021	4:00 PM	5:30 PM

Lectern Session 1290	Economics, Planning and Forecasting, Spotlight Theme: Launching a New Century of Mobility and Quality of Life	Economic Impacts, Development and Land Use Research: Priorities for the Next Quarter Century	Noreen McDonald	Speaker	Thinking about the Future: New Questions for the Committee to Tackle	UNC Chapel Hill	Wednesday, January 27, 2021	1:00 PM	2:30 PM
Lectern Session 1290	Economics, Planning and Forecasting, Spotlight Theme: Launching a New Century of Mobility and Quality of Life	Economic Impacts, Development and Land Use Research: Priorities for the Next Quarter Century	Elizabeth Deakin	Speaker	The History of Transportation and Land Development Research at TRB	UC Berkeley	Wednesday, January 27, 2021	1:00 PM	2:30 PM
Lectern Session 1290	Economics, Planning and Forecasting, Spotlight Theme: Launching a New Century of Mobility and Quality of Life	Economic Impacts, Development and Land Use Research: Priorities for the Next Quarter Century	John Renne, Naomi Stein	Speaker	Concluding Discussion	Florida Atlantic University, EBP- US	Wednesday, January 27, 2021	1:00 PM	2:30 PM
Lectern Session 1344	Materials, Pavements, Policy	Climate Change Impacts on Roadway Policies	Angelica Palomino, Benjamin Worel,	Co-Presiding		UT Knoxville, Minnesota Department of Transportation	Thursday, January 28, 2021	10:00 AM	11:30 AM
Lectern Session 1344	Materials, Pavements, Policy	Climate Change Impacts on Roadway Policies	Benjamin Worel, Angelica Palomino	Speaker	Panel Discussion	Minnesota Department of Transportation, UT Knoxville	Thursday, January 28, 2021	10:00 AM	11:30 AM
Poster Session 1061	Operations and Traffic Management	Traffic Flow Theory and Characteristics, Part 1: Emerging Trends in Traffic Flow Theory: Connected and Automated Vehicles and Data-driven Methods (Part 2, Session 1101; Part 3, Session 1352)	Yashar Zeinali Farid, Abdul Rahman Kreidieh, Farnoush Khalighi, Hans Lobel, Alexandre Bayen	Speaker	Continual Learning of Microscopic Traffic Models using Neural Networks	UC Berkeley , Aimsun, Inc, Pontificia Universidad Catolica de Chile	Monday, January 25, 2021	10:00 AM	11:30 AM
Poster Session 1070	Safety and Human Factors	Individual Presentations on Driver Safety for High Risk Drivers	Natalie O'Brien, Arthur Goodwin, Yudan Wang, Kristel Robison, Bevan Kirley, Stephanie Harrell	Speaker	The Effect of COVID-19 on Young Drivers in North Carolina and Implications for Policy	UNC Highway Safety Research Center, North Carolina A&T State University	Monday, January 25, 2021	11:30 AM	1:00 PM
Poster Session 1070	Safety and Human Factors	Individual Presentations on Driver Safety for High Risk Drivers	Nandi Taylor, Jordan Blenner	Speaker	Attitudes and Beliefs that Influence Cell Phone Use among Young Drivers	UNC Chapel Hill, USDOT	Monday, January 25, 2021	11:30 AM	1:00 PM
Poster Session 1071	Operations and Traffic Management	Freeway Operations 2021	Sakib Khan, Anthony Patire	Speaker	Is Third-Party Provided Travel Time Helpful to Estimate Freeway Performance Measures?	Clemson University, UC Berkeley	Monday, January 25, 2021	11:30 AM	1:00 PM
Poster Session 1071	Operations and Traffic Management	Freeway Operations 2021	Hao Liu, Xiao-Yun Lu, Zhitong Huang, Steven Shladover, Soomin Woo	Speaker	Energy and Mobility Impacts of a Feedback Variable Speed Advisory Algorithm on Traffic Streams of Connected Vehicles and Conventional Vehicles	UC Berkeley, Leidos, Inc	Monday, January 25, 2021	11:30 AM	1:00 PM
Poster Session 1071	Operations and Traffic Management	Freeway Operations 2021	Zihe Zhang, Jun Liu, Xiaobing Li, Asad J. Khattak	Speaker	Do Larger Sample Sizes Increase the Reliability of Traffic Incident Duration Models? A Case Study of East Tennessee Incidents	University of Alabama, UT Knoxville	Monday, January 25, 2021	11:30 AM	1:00 PM
Poster Session 1079	Society, Transportation, General, Safety and Human Factors	Women and Gender in Transportation	Sarah Robinson, Kristen Ravi, Anne Nordberg, Rachel Voth Schrag	Speaker	Exploring the Feasibility of Shared Mobility Services for Reducing Transportation Disadvantage Among Survivors of Intimate Partner Violence	University of Texas, Arlington, UT Knoxville	Monday, January 25, 2021	11:30 AM	1:00 PM

Poster Session 1079	Society, Transportation, General, Safety and Human Factors	Women and Gender in Transportation	Kristen Ravi, Sarah Robinson, Rachel Voth Schrag, Noelle Fields	Speaker	A Measure of Intimate Partner Transportation Coercion: A Systematic Review and Scale Development	UT Knoxville, University of Texas, Arlington	Monday, January 25	11:30 AM	1:00 PM
Poster Session 1083	Data and Information Technology, Public Transportation	Mobility as a Service	Cassidy Crossland, Candace Brakewood	Speaker	Marketing Mobility as a Service: Insights from the National Household Travel Survey	UT Knoxville	Monday, January 25	11:30 AM	1:00 PM
Poster Session 1099	Safety and Human Factors, Pedestrians and Bicyclists, Data and Information Technology	Exposure to Risk, Stress, Conflicts, and Crashes: Innovative Pedestrian Safety Analysis Methods	Seth Lajeunesse, Paul Ryus, Wesley Kumer, Sirisha Kothuri, Krista Nordback	Speaker	Measuring Pedestrian Level of Stress in Urban Environments: A Naturalistic Walking Pilot Study	UNC Highway Safety Research Center, KAI, UNC Chape Hill, Portland State	Saturday, January 25, 2020	1:00 PM	2:30 PM
Poster Session 1108	Pedestrians and Bicyclists, Public Transportation	Micromobility	Abubakr Ziedan, Nitesh Shah, Yi Wen, Candace Brakewood, Christopher Cherry, Justin Cole	Speaker	Impacts of Shared Electric Scooters on Bus Ridership in Nashville, Tennessee	UT Knoxville, WeGO Public Transit	Monday, January 25, 2021	1:00 PM	2:30 PM
Poster Session 1109	Pedestrians and Bicyclists, Safety and Human Factors, Vehicles and Equipment	Advancements in Road User Measurement & Evaluation	Tingting Zhang, xiao zhou, Pei Wang, Ching-Yao Chan	Speaker	Visualization of Driving Scenes for Realistic Simulator Experimentation - An Efficient Framework	UC Berkeley, Wuhan University, Lawrence Berkeley National Laboratory	Monday, January 25, 2021	2:30 PM	4:00 PM
Poster Session 1109	Pedestrians and Bicyclists, Safety and Human Factors, Vehicles and Equipment	Advancements in Road User Measurement & Evaluation	Soneil bornani, Ramin Arvin, Ziming Liu, Asad J. Khattak, Xiaopeng Zhao, Mia Wang	Speaker	Predicting Drivers' Reaction Time in Unexpected Lane Departure Situations Using Brainwave Signals: Application of Machine Learning Techniques	UT Knoxville, Miami University	Monday, January 25, 2021	2:30 PM	4:00 PM
Poster Session 1110	Operations and Traffic Management	Intelligent Transportation Systems 2021, Part 1 (Part 2, Session 1135)	Yuandong Liu, Zhihua Zhang, Lee Han, Candace Brakewood	Speaker	Automatic Traffic Queue-End Identification Using Location-Based Waze User Reports	Oak Ridge National Laboratory, UT Knoxville	Monday, January 25, 2021	2:30 PM	4:00 PM
Poster Session 1111	Data and Information Technology, Operations and Traffic Management	Road Scholars: New Research in Travel Time, Speed, and Reliability Data	Nima Hoseinzadeh, Yangsong Gu, Lee Han, Candace Brakewood, Phillip Freeze	Speaker	Estimating Freeway Level-of-Service (LOS) Using Crowdsourced Data	UT Knoxville, Tennessee Department of Transportation	Monday, January 25, 2021	2:30 PM	4:00 PM
Poster Session 1112	Planning and Forecasting	Advances in Network Equilibrium Models	Yiling You, Marsalis Gibson, Alexandre Bayen	Speaker	Parallel Network Flow Allocation in Repeated Routing Games via LQR Optimal Control	UC Berkeley	Monday, January 25, 2021	2:30 PM	4:00 PM
Poster Session 1112	Planning and Forecasting	Advances in Network Equilibrium Models	Yanfeng Ouyang, Haolin Yang, Carlos Daganzo	Speaker	Performance of Reservation-Based Carpooling Service under Detour and Waiting Time Restrictions	University of Illinois, Urbana-Champaign, UC Berkeley	Monday, January 25, 2021	2:30 PM	4:00 PM
Poster Session 1118	Transportation, General, Safety and Human Factors, Public Transportation	Mobility for Older Adults and People with Disabilities	Abigail Cochran	Speaker	"I'm stuck": Impacts of the COVID-19 Pandemic Response on Access to Transportation and Other Essentials Among People with Disabilities	UNC Chapel Hill	Monday, January 25, 2021	2:30 PM	4:00 PM

Poster Session 1121	Public Transportation, Transportation, General	Ridesourcing, Transportation Network Companies and Taxis	Jing Guo, Antora Mohsena Haque, Cassidy Crossland, Candace Brakewood	Speaker	A Cluster Analysis of Uber Request Data via the Transit App in New York City	UT Knoxville	Monday, January 25, 2021	2:30 PM	4:00 PM
Poster Session 1135	Operations and Traffic Management	Intelligent Transportations Systems 2021, Part 2 (Part 1, Session 1110)	Zulqarnain Khattak, Jackeline Rios-Torres, Michael Fontaine, Asad J. Khattak,	Speaker	Impact of Communications Delay on Stability of Connected and Automated Vehicle Platoons: Empirical Evidence from Real-World Experimental Data	Oak Ridge National Laboratory, Virginia Transportation Research Council, UT Knoxville	Monday, January 25, 2021	4:00 PM	5:30 PM
Poster Session 1155	Operations and Traffic Management	Vehicle-Highway Automation 2021, Part 1 (Part 2, Session 1168)	Xing Fu, Jun Liu , Alexander Hainen, Asad J. Khattak	Speaker	Qualifying the Driving Environment Dynamics from the View of Autonomous Vehicles (AVs): Inspiration for Qualitatively Defining Operational Design Domains (ODDs)	University of Alabama, UT Knoxville	Tuesday, January 26, 2021	10:00 AM	11:30 AM
Poster Session 1166	Safety and Human Factors	Emerging Technologies: User Understanding and Opinions	Sanaz Motamedi, Pei Wang, Ching-Yao Chan	Speaker	Exploring Public Perception of Level-2 Automation and Full Automation: Interview Based Study	University of Florida, UC Berkeley, Lawrence Berkeley National Laboratory	Tuesday, January 26, 2021	11:30 AM	1:00 PM
Poster Session 1168	Operations and Traffic Management	Vehicle-Highway Automation 2021, Part 2 (Part 1, Session 1155)	Pablo Chon Kan, Servet Lapardhaja, Xingan (David) Kan	Speaker	Field Experiments of Commercially Available Automated Vehicles on Freeways	Florida Atlantic University, UC Berkeley	Tuesday, January 26, 2021	11:30 AM	1:00 PM
Poster Session 1168	Operations and Traffic Management	Vehicle-Highway Automation 2021, Part 2 (Part 1, Session 1155)	Shoucai Jing, Fei Hui, Xiangmo Zhao, Jackeline Rios-Torres, Asad Khattak	Speaker	Integrated Longitudinal and Lateral Decentralized Control of Connected and Automated Vehicles Cooperative Merging at On-ramps	UT Knoxville, Chang'an University, Oak Ridge National Laboratory	Tuesday, January 26, 2021	11:30 AM	1:00 PM
Poster Session 1170	Data and Information Technology	Mining Data Deeper to Understand Travel Behavior	Yiming Xu, Xiang Yan, Virginia Sisiopiku, Louis Merlin, Fangzhou Xing, Xilei Zhao	Speaker	Micromobility Trip Origin and Destination Inference using General Bikeshare Feed Specification (GBFS) data	Florida Atlantic University University of Florida, University of Alabama, Birmingham, Microsoft Corporation	Tuesday, January 26, 2021	11:30 AM	1:00 PM
Poster Session 1170	Data and Information Technology	Mining Data Deeper to Understand Travel Behavior	Dunstan Matekenya, Fatima Arroyo Arroyo, Xavier Espinet Alegre, Marta Gonzalez	Speaker	Operationalizing Mobile Data for Urban Transport: Lessons from Freetown, Sierra Leone	The World Bank, UC Berkeley	Tuesday, January 26, 2021	11:30 AM	1:00 PM
Poster Session 1172	Freight Transportation, Planning and Forecasting, Public Transportation	Public Transportation and Shared Mobility	Carlos Daganzo, Yanfeng Ouyang	Speaker	A General Model of Demand-Responsive Transportation Services: From Taxi to Ridesharing to Dial-A-Ride	UC Berkeley, University of Illinois, Urbana-Champaign	Tuesday, January 26, 2021	11:30 AM	1:00 PM
Poster Session 1172	Freight Transportation, Planning and Forecasting, Public Transportation	Public Transportation and Shared Mobility	Xuejie Liu, Jiazheng Zhu, Tengfeng Ma, Yanfeng Ouyang, Carlos Daganzo	Speaker	Planning Bus Systems for Mega-Cities: A Case Study for Beijing	Beijing Jiaotong University, University of Illinois, Urbana-Champaign, UC Berkeley	Tuesday, January 26, 2021	11:30 AM	1:00 PM
Poster Session 1184	Economics, Planning and Forecasting	Implications of Land Use for Travel and Modeling	Ali Riahi Samani, Sabya Mishra, David Lee, Mihalis Golias, Jerry Everett	Speaker	A New Approach to Develop Large Scale Land Use Models Using Open Source Data	University of Memphis, Tennessee Department of Transportation, UT Knoxville	Tuesday, January 26, 2021	11:30 AM	1:00 PM
Poster Session 1185	Public Transportation, Security and Emergencies	Transit Security Events - Addressing Crime and Passenger Safety	Antora Mohsena Haque, Ramin Arvin, Asad J. Khattak	Speaker	Harnessing Basic Safety Messages to Identify High-Risk Hotspots for Transit Buses	UT Knoxville	Tuesday, January 26, 2021	10:00 AM	11:30 AM

Poster Session 1202	Data and Information Technology, Safety and Human Factors	Safety Performance and Analysis, Act 2: Surrogates, Conflicts, and Other Safety Data (Act 1, Session 1169; Act 3, Session 1295; Act 4, Session 1327)	Zulqarnain Khattak, Michael Fontaine, Asad J. Khattak	Speaker	Identification of Safety Critical Events from Vehicle Kinematic Data using Convolutional Neural Networks	Oak Ridge National Laboratory, Virginia Transportation Research Council, UT Knoxville	Tuesday, January 26, 2021	1:00 PM	2:30 PM
Poster Session 1209	Pedestrians and Bicyclists, Society, Vehicles and Equipment	Omnibus Bicycle Research Poster Session	Nicholas Fournier, Jiayun Huang, Alexander Skabardonis	Speaker	Bicycle Level of Service: Accounting for protected lanes, traffic exposure, and delay	UC Berkeley	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1209	Pedestrians and Bicyclists, Society, Vehicles and Equipment	Omnibus Bicycle Research Poster Session	Nitesh Shah, Christopher Cherry	Speaker	Infrequent Bicyclists Have A Different Safety Perception Than Frequent Bicyclists: Findings from Revealed Preference Study Using Bikeshare Data	UT Knoxville	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1211	Operations and Traffic Management	Multimodal Traffic Signal Control	Shahadat Iqbal, Taraneh Ardalan, Mohammed Hadi, Evangelos Kaisar	Speaker	Developing Guidelines for Implementing Transit Signal Priority (TSP) and Freight Signal Priority (FSP) Using Simulation Modeling and Decision Tree Algorithm	New York State Department of Transportation, University of Pittsburgh, Florida International University, Florida Atlantic University	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1211	Operations and Traffic Management	Multimodal Traffic Signal Control	Md Tausif Murshed, Md Ashrafur Imran, Pablo Chon Kan, Florida Atlantic University Xingan (David) Kan, Aleksandar Stevanovic	Speaker	Freight Signal Priority (FSP): Assessment of Environmental and Mobility Impact and Feasibility for Implementation	Florida Atlantic University, University of Pittsburgh	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1212	Operations and Traffic Management	Highway Capacity and Quality of Service for Uninterrupted Flow Facilities 2021	Servet Lapardhaja, Yaobang Gong, Md Tausif Murshed, Xingan (David) Kan	Speaker	Impact of Commercially Available Automated Vehicles on Freeway Bottleneck Capacity	UC Berkeley, Florida Atlantic University	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1212	Operations and Traffic Management	Highway Capacity and Quality of Service for Uninterrupted Flow Facilities 2021	Ageliki Elefteriadou, Fabio Sasahara, Keir Opie, Richard Margiotta, Alexander Skabardonis	Speaker	Development of a System Analysis Method for the Highway Capacity Manual	University of Florida, Cambridge Systematics, PerkinElmer Inc, University of California, Berkeley	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1226	Planning and Forecasting, Policy, Public Transportation	Transportation Equity: Addressing Equity Issues in New Mobility Systems	Anaka Maher, Carol Atkinson-Palombo, Norman Garrick	Speaker	Evidence of Ridesourcing Increasingly Being Used for Commuting in New York City's Low-Income Communities	UC Berkeley, University of Connecticut	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1228	Society, Transportation, General, Economics	Transportation Equity: Understanding and Addressing Transportation Disadvantage	Courtney Cronley, Melody Huslage, Erin Roark	Speaker	Testing the Psychometric Properties of a Scale to Measure Transportation Access Among Individuals Experiencing Homelessness	UT Knoxville, University of Texas, Arlington	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1232	Transportation, General, Policy, Planning and Forecasting	Planning for Diversity: Facilitating Transit Connections	Marcel Moran	Speaker	Who Gets to Sit? Mapping the Distribution of Transit Amenities via a Bus-Stop Census of San Francisco	UC Berkeley	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1249	Safety and Human Factors, Freight Transportation	Truck and Bus Safety Research	Amin Mohammadnazar, Iman Mahdinia, Ramin Arvin, Asad J. Khattak	Speaker	Exploring the Effects of Physical Condition and Driving Errors of At-fault Drivers on Injury Severity of Large Truck Angle Crashes	UT Knoxville	Tuesday, January 26, 2021	4:00 PM	5:30 PM
Poster Session 1250	Data and Information Technology	Information Systems and Technology	Nima Hoseinzadeh, Yangsong Gu, Hairuolong Zhang, Lee Han, Hyun Kim, Phillip Freeze	Speaker	Dynamics of Mobility Amid Covid-19 Pandemic – Geospatial Approach with A Case Study of Tennessee	UT Knoxville, Tennessee Department of Transportation	Tuesday, January 26, 2021	4:00 PM	5:30 PM

Poster Session 1254	Public Transportation, Society, Administration and Management	The People Part of Transit	Shamsun Nahar, Courtney Cronley	Speaker	“Without Transportation, Everything would be Difficult”: Transportation Barriers among Immigrant Women Experiencing Intimate Partner Violence	Texas Woman's University, UT Knoxville	Tuesday, January 26, 2021	4:00 PM	5:30 PM
Poster Session 1268	Safety and Human Factors	Automated Vehicles and their Human Drivers: Problems and Solutions	Benjamin Bauchwitz, Mary Cummings	Speaker	Individual Differences Dominate Variation in ADAS Takeover Alert Behavior	Duke	Wednesday, January 27, 2021	10:00 AM	11:30 AM
Poster Session 1295	Data and Information Technology, Safety and Human Factors	Safety Performance and Analysis, Act 3: Evaluations, SPFs, and CMFs (Act 1, Session 1169; Act 2, Session 1202; Act 4, Session 1327)	Praveen Vayalamkuzhi, Aditya Medury, Lin Yang, Offer Grembek, Venky Shankar	Speaker	Impact of Injury-Based Safety Performance Functions on Network Screening	UC Berkeley, Indian Institute of Technology, Kanpur, Texas Tech University	Wednesday, January 27, 2021	1:00 PM	2:30 PM
Poster Session 1301	Pedestrians and Bicyclists, Safety and Human Factors	Human Factors Analysis of Safety Critical and Crash Events	Zulqarnain Khattak, Michael Fontaine, Asad J. Khattak, Thomas Karnowski	Speaker	Using Naturalistic Data to Examine Relationships between Instantaneous Driving Decisions and Safety Critical Events	Oak Ridge National Laboratory, Virginia Transportation Research Council, UT Knoxville,	Wednesday, January 27, 2021	2:30 PM	4:00 PM
Poster Session 1304	Safety and Human Factors	Transportation Safety Management Systems from Start to Finish	Michael Clamann, Nancy Pullen-Seufert	Speaker	Navigating School Zones: 5 Challenges for Deploying Automated Vehicles Near Schools	UNC Highway Safety Research Center	Wednesday, January 27, 2021	2:30 PM	4:00 PM
Poster Session 1304	Safety and Human Factors	Transportation Safety Management Systems from Start to Finish	Amin Mohamadi Hezaveh, Christopher Cherry, Candace Brakewood	Speaker	Traveler-Involved Traffic Crashes As A Negative Externality Of Tourism Industry	UT Knoxville	Wednesday, January 27, 2021	2:30 PM	4:00 PM
Poster Session 1304	Safety and Human Factors	Transportation Safety Management Systems from Start to Finish	Numan Ahmad, Ramin Arvin, Asad J. Khattak	Speaker	Exploring Pathways from Driving Errors and Violations to Crashes: The Role of Speed Volatility	UT Knoxville	Wednesday, January 27, 2021	2:30 PM	4:00 PM
Poster Session 1304	Safety and Human Factors	Transportation Safety Management Systems from Start to Finish	Matthew Hui Jonathan Kupfer, Offer Grembek	Speaker	Traffic Safety During the COVID-19 Pandemic: A Study of How Incident-Based Traffic Safety Metrics Changed Over Time on State Highways in the San Francisco Bay Area and Los Angeles Regions	UC Berkeley	Wednesday, January 27, 2021	2:30 PM	4:00 PM
Poster Session 1304	Safety and Human Factors	Transportation Safety Management Systems from Start to Finish	Asad J. Khattak, Numan Ahmad, Behram Wali	Speaker	Heterogeneity in Naturalistic Driving Errors, Violations, and Crash Risk in Diverse Environmental Context	UT Knoxville	Wednesday, January 27, 2021	2:30 PM	4:00 PM
Poster Session 1304	Safety and Human Factors	Transportation Safety Management Systems from Start to Finish	Zachary Jerome, Asad J. Khattak, Ramin Arvin	Speaker	Why are Most Drivers Not Recognizing Impending Single-Vehicle Collisions and Does this Influence Event Outcomes?	University of Michigan, Ann Arbor, UT Knoxville	Tuesday, January 26, 2021	2:30 PM	4:00 PM
Poster Session 1328	Data and Information Technology	Understanding Users' Behaviors in the City: Pedestrians, Bicyclists, Transit, and TNCs	Dibakar Saha, Eric Dumbaugh	Speaker	Assessment of Non-Linear Associations between Area-Level Variables and Pedestrian Crash Frequency using a Model-based Gradient Boosting Framework	Florida Atlantic University	Wednesday, January 27, 2021	4:00 PM	5:30 PM
Poster Session 1331	Data and Information Technology, Public Transportation	Putting Transit Data to Work: Advancements in Making, Mixing & Matching, and Employing Machine Learning (ML) Techniques	Nitesh Shah, Jing Guo, Lee Han, Christopher Cherry	Speaker	Why Do People Take E-scooter Trips? Big Data and Unsupervised Machine Learning Insights on Temporal and Spatial Usage Patterns	UT Knoxville	Wednesday, January 27, 2021	4:00 PM	5:30 PM

Poster Session 1332	Freight Transportation, Economics	Current Research in Freight Transportation Economics and Regulation	David Clarke	Presiding	Current Research in Freight Transportation Economics and Regulation	UT Knoxville	Wednesday, January 27, 2021	4:00 PM	5:30 PM
Poster Session 1353	Data and Information Technology, Operations and Traffic Management, Safety and Human Factors	Artificial Intelligence and Machine Learning Methods for Transportation Applications (Part II)	Iman Mahdinia, Amin Mohammadnazar, Asad J. Khattak	Speaker	Evaluating Pedestrian Time-to-death in Fatal Pedestrian Crashes: Application of Explainable Machine Learning Using SHAP Technique	UT Knoxville	Thursday, January 28, 2021	10:00 AM	11:30 AM
Poster Session 1353	Data and Information Technology, Operations and Traffic Management, Safety and Human Factors	Artificial Intelligence and Machine Learning Methods for Transportation Applications (Part II)	Shenhao Wang, Rachel Luo, Xiaohu Zhang, Hongzhou Lin, Jinhua Zhao, Joan Walker	Speaker	Travel Behavior Modeling with Images	MIT, UC Berkeley	Thursday, January 28, 2021	10:00 AM	11:30 AM
Poster Session 1353	Data and Information Technology, Operations and Traffic Management, Safety and Human Factors	Artificial Intelligence and Machine Learning Methods for Transportation Applications (Part II)	Iman Mahdinia, Amin Mohammadnazar, Asad J. Khattak	Speaker	Evaluating Pedestrian Time-to-death in Fatal Pedestrian Crashes: Application of Explainable Machine Learning Using SHAP Technique	UT Knoxville	Thursday, January 28, 2021	10:00 AM	11:30 AM
Poster Session 1360	Operations and Traffic Management	Traffic Simulation 2021, Part 2 (Part 1, Session 1303)	Nicoias Karous, Amaury Hayat, Sean McQuade, Xiaoqian Gong, Sydney Truong, Rajiv Arora	Speaker	A Rigorous Multi-Population Multi-lane Hybrid Traffic Model and its Mean-field Limit for Dissipation of Waves via Autonomous Vehicles.	UC Berkeley, Rutgers University	Thursday, January 28, 2021	11:30 AM	1:00 PM
Poster Session 1368	Safety and Human Factors, Security and Emergencies, Society	Emergency Evacuations	Stephen Wong, Mengqiao Yu, Anu Kuncheria, Susan Shaheen, Joan Walker	Speaker	Understanding the Willingness to Share Resources in the Hurricane Irma Evacuation: A Multi-Modeling Approach	UC Berkeley	Thursday, January 28, 2021	11:30 AM	1:00 PM
Poster Session 1368	Safety and Human Factors, Security and Emergencies, Society	Emergency Evacuations	Bingyu Zhao, Stephen Wong	Speaker	Developing Transportation Response Strategies for Wildfire Evacuations via an Empirically Supported Traffic Simulation of Berkeley, California	UC Berkeley	Thursday, January 28, 2021	11:30 AM	1:00 PM
Poster Session 1374	Planning and Forecasting	Planning for People and Multimodal Travel	John Renne	Presiding	Planning for People and Multimodal Travel	Florida Atlantic University	Thursday, January 28, 2021	11:30 AM	1:00 PM
Poster Session 1390	Safety and Human Factors	Enforcement Design, Safety, and Reporting	Kinzee Clark, Michael Clamman, Asad J. Khattak	Speaker	Advancing Crash Investigation with Connected and Automated Vehicle Data	UNC Highway Safety Research Center, UT Knoxville	Thursday, January 28, 2021	1:00 PM	2:30 PM
Poster Session 1392	Design, Operations and Traffic Management, Safety and Human Factors	Intersection Safety: The System, the Design, the Speeds and the Conflicts	Nicholas Porter, Michael Dunn, Ivy Huang, Jonathan Soika, Dylan Coley, William Wang	Speaker	A Safe System Approach to Intersection Planning and Design	VHB, UNC Chapel Hill	Thursday, January 28, 2021	1:00 PM	2:30 PM
Poster Session 1393	Public Transportation	Bus System Operations, Technology, and Applications, Part 2 (Part 1, Session 1375)	Abubakr Ziedan, Cassidy Crossland, Candace Brakewood, Philip Pugliese, Harrison Ooi	Speaker	Residents' Attitudes Toward a Bus Network Redesign in Chattanooga, Tennessee	UT Knoxville, Chattanooga Area Regional Transportation Authority	Thursday, January 28, 2021	1:00 PM	2:30 PM
Poster Session 1394	Environment, Safety and Human Factors, Vehicles and Equipment	Occupant Protection Posters of Novel, Interesting Engineering Design Ideas, Prototypes and Other Topics	Amir Pooyan Afghari Ahmadreza Faghhi Imani, Eleonora Papadimitriou, Pieter van Gelder, Amin Mohamadi Hezaveh	Speaker	Are Vehicle Occupants Influenced by One Another in Wearing Seatbelt? An Inquiry into Seatbelt Use Modelling in Multi-Occupant Vehicles	Technische Universiteit Delft, Imperial College London, UT Knoxville	Thursday, January 28, 2021	2:30 PM	4:00 PM
Poster Session 1429	Planning and Forecasting, Public Transportation	Built Environment, Accessibility, and Equity Considerations in Public Transportation	Jandel Crutchfield, ERIN FINDLEY, Courtney Cronley, Kate Hyun Mehrdad Arabi	Speaker	Transportation Infrastructure as a Social Justice Issue: A Mixed Methods Analysis of a Suburban Boomtown	University of Texas, Arlington, UT Knoxville	Friday, January 29, 2021	10:00 AM	11:30 AM

Poster Session 1431	Freight Transportation, Planning and Forecasting	Freight Operations and Logistics	A. Latif Patwary, Tun-Hsiang Yu, Burton English, David Hughes, Seong-Hoon Cho	Speaker	Estimating the Rebound Effect of the US Road Freight Transport	UT Knoxville	Friday, January 29, 2021	10:00 AM	11:30 AM
Poster Session 1433	Data and Information Technology, Operations and Traffic Management, Safety and Human	Artificial Intelligence and Machine Learning Methods for Transportation Applications (Part III)	Shenhao Wang, Rachel Luo, Xiaohu Zhang, Jason Lu, Hongzhou Lin, Joan Walker, Jinhua Zhao	Speaker	Travel and Built Environment: A Deep Learning Approach	MIT, UC Berkeley	Friday, January 29, 2021	11:30 AM	1:00 PM
Poster Session 1433	Data and Information Technology, Operations and Traffic Management, Safety and Human	Artificial Intelligence and Machine Learning Methods for Transportation Applications (Part III)	Ramin Arvin, Asad J. Khattak, Hairong Qi	Speaker	Crash prediction through unified analysis of driver and vehicle volatilities: Application of 1D-Convolutional Neural Network - Long Short-Term Memory	UT Knoxville	Friday, January 29, 2021	11:30 AM	1:00 PM
Poster Session 1437	Energy	Alternative Fuel Consumer Perceptions and Modeling	Ziwen Ling, Christopher Cherry, Yi Wen	Speaker	Making the Shift: Attracting Conventional Drivers to Electric Vehicles in China's Developing Car Market	Virginia Department of Transportation, UT Knoxville	Friday, January 29, 2021	11:30 AM	1:00 PM
Poster Session 1449	Planning and Forecasting	Predicting the Future of Mobility Systems: Automation, Transit, and Hailing	Mustapha Harb, Jai Malik, Giovanni Circella, Joan Walker	Speaker	A Glimpse of the Future: Simulating Life with Personally-Owned Autonomous Vehicles & Their Implications on Travel-Related Behaviors	UC Berkeley, UC Davis	Friday, January 29, 2021	1:00 PM	2:30 PM
Poster Session 1465	Public Transportation	Public Transportation Fare Policy and Marketing: Research Results and Implications for Practice	Wesley Darling, Emily Carpenter, Tami Johnson-Praino, Candace Brakewood, Carole Voulgaris,	Speaker	A Comparison of Reduced Fare Programs for Low Income Transit Riders	UT Knoxville, Tennessee Department of Transportation, Harvard University	Friday, January 29, 2021	2:30 PM	4:00 PM
Poster Session 1310	Data and Information Technology, Administration and Management	Current Topics in Information and Knowledge Management	Kendra Levine	Presiding		UC Berkeley	Wednesday, January 27, 2021	2:30 PM	4:00 PM ET
Subcommittee ACH20(2)	Pedestrians and Bicyclists, Safety and Human Factors, Vehicles and Equipment	Emerging Vehicles for Low Speed Transportation Subcommittee ACH20(2), Joint Subcommittee of ACH20, ACH10, ANB40, AP020	Christopher Cherry, John MacArthur,	Co-Presiding		UT Knoxville, Portland State University	Wednesday, January 06, 2021	12:00 PM	1:30 PM
Subcommittee AED10(2)	Data and Information Technology, Safety and Human Factors	Road Safety Data Subcommittee	Nancy Lefler	Presiding		UNC Highway Safety Research Center	Tuesday, January 12, 2021	2:00 PM	3:30 PM
Workshop 1001	Design, Operations and Traffic Management, Pedestrians and Bicyclists	Improving Pedestrian Crossing Safety along Major Arterials: Issues and Innovations	Kristen Brookshire	Speaker	Pedestrian Safety along and across Arterials: An Overview	UNC Highway Safety Research Center	Tuesday, January 21, 2020	10:00 AM	1:00 PM
Workshop 1003	Operations and Traffic Management	Highlights from the 2020 Automated Vehicle Symposium	Steve Shladover	Speaker	Synthesis of Issues from the Plenary Sessions	UC Berkeley	Thursday, January 21, 2021	10:00 AM	1:00 PM
Workshop 1038	Freight Transportation, Spotlight Theme: Launching a New Century of Mobility and Quality of Life	Freight Planning & Operational Logistics for the "New Normal"	Charles Edwards, Evangelos Kaiser,	Co-Presiding		University of North Carolina, Chapel Hill, Florida Atlantic University	Friday, January 22, 2021	10:00 AM	1:00 PM

Workshop 1039	Pedestrians and Bicyclists, Security and Emergencies, Society	Rapid Repurposing of Urban Streets for COVID-19 Emergency Response	Tabitha Combs, Ian Trout, Megan Wier, Carl A Sundstrom, Becky Katz	Speaker	Research Perspective and Potential Research Needs	UNC Highway Safety Research Center	Wednesday, January 22, 2020	2:00 PM	5:00 PM
Workshop 1045	Environment, Materials, Pavements	Climatic Impacts on Performance of Road Foundation	Benjamin Worel, Angelica Palomino	Co-Presiding	Climatic Impacts on Performance of Road Foundation	Minnesota Department of Transportation, UT Knoxville	Friday, January 22, 2021	2:00 PM	5:00 PM
Workshop 1048	Public Transportation, Policy, Spotlight Theme: Launching a New Century of Mobility and Quality of Life	Navigating a New Normal in Public Transit and Shared Mobility	Susan Shaheen, Jeffrey Chernick	Co-Presiding		UC Berkeley, RideAmigos CORP	Friday, January 22, 2021	2:00 PM	5:00 PM
Workshop 1048	Public Transportation, Policy, Spotlight Theme: Launching a New Century of Mobility and Quality of Life	Navigating a New Normal in Public Transit and Shared Mobility	Susan Shaheen	Speaker	Researcher Perspective	UC Berkeley, RideAmigos CORP	Friday, January 22, 2021	2:00 PM	5:00 PM
Workshop 1467	Transportation, General, Research (about research), International Activities	Open Science in Transportation: Challenges and Opportunities in a COVID-19 Era	Kendra Levine	Speaker	Librarian Perspective	UC Berkeley	Thursday, January 21, 2021	2:00 PM	5:00 PM
Subcommittee ACS10(3)	Safety and Human Factors, Planning and Forecasting, Pedestrians and Bicyclists	School Transportation Subcommittee, ACS10(3)	Ann Dellinger	Presiding		Centers for Disease Control and Prevention (CDC)	Thursday, January 07, 2021	10:00 AM	11:30 AM
Lectern Session 1052	Operations and Traffic Management, Security and Emergencies	Regional Integration of Emergency Response into Connected Infrastructure Systems and Automation	Dia Gainor	Speaker	First Responder Activities and Needs	National Association of State EMS Officials	Monday, January 25, 2021	10:00 AM	11:30 AM
Lectern Session 1265	Freight Transportation, Planning and Forecasting, Terminals and Facilities	Trending Research in Freight Transportation Planning & Logistics	Dana Magliola	Speaker	Trends in Freight and Logistics at NCDOT	North Carolina Department of Transportation	Wednesday, January 27, 2021	10:00 AM	11:30 AM
Lectern Session 1259	Policy	Scooter Regulation: Past, Present and Future	Bryant Walker Smith	Speaker	From Skateboards and Segways to Scooters and Sidewalk Robots: A Macro View of Micromobility	University of South Carolina	Wednesday, January 27, 2021	10:00 AM	11:30 AM
Poster Session 1069	Operations and Traffic Management, Pedestrians and Bicyclists, Safety and Human Factors	Pedestrian Behaviors, Walking Characteristics, and Interactions with Technology and the Built Environment	Laura Harris, Russell Graves, Ramin Arvin, Asad J. Khattak, Subhadeep Chakraborty	Speaker	Study of Vulnerable Road-User Choices and Effect of V2P-based Alert on Crossing Behavior Through Analysis of Virtual Environment Crossing Events	UT Knoxville	Monday, January 25, 2021	11:30 AM	1:00 PM
AED10 Committee Meeting	Data and Information Technology	Statewide/National Transportation Data and Information Systems	Nancy Lefler	Secretary		UNC Chapel Hill	Wednesday, January 06, 2021	10:00 AM	1:00 PM