

CM² University Transportation Center & Partners at the 99th Annual Meeting of the Transportation Research Board



January 12-16, 2020, Washington, DC

Sunday, January 12

Time	Event #	Session Title	Presentation Title	Presenters/Researchers	Affiliated Institution
1:30 PM- 4:30 PM	Lectern Session 1096	Modeling Intercity Travel: Can Big Data Bring Air and Surface Modes Together	Why it is Time to Consider the Air and Surface Networks as One Integrated System	Megan Ryerson	University of Pennsylvania

Monday, January 13

Time	Event #	Session Title	Presentation Title	Presenters/Researchers	Affiliated Institution
8:00 AM- 9:45 AM	Poster Session 1156	Current Research in Freight Planning and Logistics	Megaregion Truck Flow Estimation Model	Qisheng Pan Bumseok Chun Zhonghua Jin	Texas Southern University
8:00 AM- 9:45 AM	Poster Session 1144	Bicycle Research Poster Session	Who cycles to work and where? A comparative microdata analysis of urban commuters in the US and Mexico	Erick Guerra He Zhang Luke Hassall Jialin Wang Anna Cheyette	University of Pennsylvania
10:15AM- 12:00PM	Poster Session 1206	Hot Topics in Urban Transportation: Micromobility and Beyond	Dockless E-scooter Usage Patterns and Urban Built Environments: A Comparison Study of Austin, TX and Minneapolis, MN	Shunhua Bai Junfeng Jiao	University of Texas, Austin
10:15AM- 12:00PM	Poster Session 1206	Hot Topics in Urban Transportation: Micromobility and Beyond	Parking Violations: The Frequency of Improper Scooter, Bike, and Car Parking	Anne Brown Nicholas Klein	Univeristy of Oregon Cornell University
10:15AM- 12:00PM	Poster Session 1227	Bus Transit Research and Practices, Part 1 (Part 2, Session 1568)	Where to First Electrify Bus Transit Routes: Case Study for Austin, Texas	Jugal Amodwala Kara Kockelman	University of Texas, Austin
10:15AM- 12:00PM	Committee Meeting	Airport Terminals and Ground Access Committee	Taxi Drops Off as Transit Holds Steady: Airport Access in Post-Ride Hail New York	Megan Ryerson Xiaoxia Dong	University of Pennsylvania

10:15AM- 12:00PM	Lectern Session 1166	Addressing Equity in a Changing World: Emerging Research and Practices for Integrating Equity into Transportation Planning Across the United States and Europe	Regional Equity Analysis Frameworks and State of the Practice in the United States	Hannah Twaddell Alex Karner Fleming El-Amin	ICF University of Texas, Austin FHWA
1:30 PM-3:15 PM	Lectern Session 1263	Engagement, Equity, and Experiments in Transit Planning: Lightning Talks	Lightning Talk: Representing Public Transportation Providers in Metropolitan Planning (20-03193)	Gian-Claudia Sciara Md. Rahman Rydell Walthall	University of Texas, Austin
1:30 PM- 3:15 PM	Lectern Session 1237	Automated Transportation and Shared Mobility	Book Ahead and Performance Management for Ridesharing Platforms	Cesar Yahia Gustavo de Veciana Michael Stecklein Jean Abou Rahal Stephen Boyles	University of Texas, Austin Portland University Portland University University of Texas, Austin
1:30 PM- 3:15 PM	Lectern Session 1229	Equity Reframed: Looking Back and Planning Ahead	Mobility Patterns of Seniors	Sandra Rosenbloom	University of Texas, Austin
1:30 PM- 3:15 PM	Lectern Session 1235	Planning for Mega-Regions: New Initiatives and Technical Approaches to Address Complex Issues and Foster Productive Partnerships	Advancing Megaregional Policy and Planning through Federal and Local Partnerships The Saliency of Megaregional Geographies for Inter-Metropolitan Transportation Planning and Policy Making.	James Garland Gian-Claudia Sciara Michael Oden	FHWA University of Texas, Austin
1:30 PM- 3:15 PM	Lectern Session 1240	Social and Economic Factors of Car Ownership	"Desperately in Need of Car": Analyzing Crowdfunding Campaigns for Car Purchases and Repairs on Gofundme.com	Nicholas Klein Minh Tran Sarah Riley	Cornell University
3:45 PM- 5:30 PM	Subcommittee ADC60(2)	Transportation Infrastructure, Facilities, and Right of Ways as Sustainable Resources Subcommittee	Utility-Transit Nexus: Leveraging Intelligently Charged Electrified Transit to Support a Renewable Energy Grid	Tyler Wellik Joseph Griffin Kara Kockelman Moataz Mohamed	University of Texas, Austin No Affiliation University of Texas, Austin McMaster University
3:45 PM- 5:30 PM	Poster Session 1344	Engagement, Equity, and Experiments in Transit Planning	Representing Public Transportation Providers in the Metropolitan Planning	Gian-Claudia Sciara Md. Rahman Rydell Walthall	University of Texas, Austin
3:45 PM- 5:30 PM	Poster Session 1339	Safety Data, Analysis, and Evaluation, Act II: Deep Learning, Induced Exposure, and Other Sophisticated Methods (Act I, Session 1338; Act III, Session 1340; Act IV, Session 1356)	Modeling Animal-Vehicle Collision Counts Across Large Networks Using a Hierarchical Model with Dirichlet Process	Zili Li Kara Kockelman	University of Queensland University of Texas, Austin

6:00 PM- 7:30 PM	Poster Session 1351	New Ideas for Emergency Evacuations	Impact of Manual Traffic Control on Evacuation Time Estimates	Scott Parr Nelida Herrera Brian Wolshon Todd Smith	Embry Riddle Aeronautical University Arcadis US Inc. Louisiana State University U.S. Nuclear Regulatory Commission
6:00 PM- 7:30 PM	Poster Session 1351	New Ideas for Emergency Evacuations	Sensitivity of Evacuation Time Estimates to Population	Scott Parr Nelida Herrera Brian Wolshon Todd Smith	Embry Riddle Aeronautical University Arcadis US Inc. Louisiana State University U.S. Nuclear Regulatory Commission

Tuesday, January 14

Time	Event #	Session Title	Presentation Title	Presenters/Researchers	Affiliated Institution
8:00 AM- 9:45 AM	Subcommittee, ADB30(1)	Transit, Freight, and Logistics Modeling Subcommittee	N/A	Stephen Boyles	University of Texas, Austin
10:15AM- 12:00PM	Lectern Session 1474	Methods for Assessing Alternative Delivery Approaches	Electric Vehicle Travelling Salesman Problem with Drone	Tengkuo Zhu Stephen Boyles Avinash Unnikrishnan	University of Texas, Austin University of Texas, Austin Portland State University
10:15 AM- 12:00 PM	Poster Session 1487	Current Issues in Transportation Energy	Reducing Greenhouse Gas Emissions from Long-Distance Travel Business: How Far Can We Go?	Ruohan Li Kara Kockelman Jooyong Lee	University of Texas, Austin
10:15AM- 12:00PM	Lectern Session 1432	Fitting It All in: Urban Transportation Challenges	People-Focused and Near-Term Public Transit Performance Analysis	Alex Karner	University of Texas, Austin
10:15 AM- 12:00 PM	Subcommittee ADD30(1)	Transportation and Land Development Research Subcommittee	N/A	Erick Guerra Tanisha Hall	University of Pennsylvania, Fairpointe Planning
1:30 PM- 3:15 PM	Lectern Session 1544	First Mile/Last Mile: Transit Access Explorations	Use of Shared Automated Vehicles for First-Mile Last-Mile Service: Micro-Simulation of Rail-Transit Connections in Austin, Texas	Yantao Huang Kara Kockelman Venu Garikapati Lei Zhu Stanley Young	University of Texas, Austin University of Texas, Austin National Renewable Energy Laboratory (NREL) National Renewable Energy Laboratory (NREL) National Renewable Energy Laboratory (NREL)

1:30 PM- 3:15 PM	Lectern Session 1511	Autonomous Vehicle and Unmanned Aerial Systems Education and Training: The Future Is Now	Automated Vehicles: Examining the Proving Grounds	Teidra Darrett Gwendolyn Goodwin McKenzie Jones-Channel	Texas Southern University
1:30 PM- 3:15 PM	Lectern Session 1511	Autonomous Vehicle and Unmanned Aerial Systems Education and Training: The Future Is Now	Benefits and the Future Workforce in Drone Technology	Quenton Greggs Tasjah Hall Gwendolyn Goodwin	Texas Southern University
1:30 PM- 3:15 PM	Poster Session 1567	Micromobility, Mobility as a Service and Shared Automated Vehicles	Spatial Associations in Dockless Shared e-Scooter Usage	Or Caspi Michael Smart Robert Noland	Rutgers
3:45 PM- 5:30 PM	Subcommittee Meeting ADA20(1)	Mega-Regions Subcommittee	Activities of Cooperative Mobility for Cooperative Megaregions (CM ²)	James Garland Ming Zhang	FHWA University of Texas, Austin
3:45 PM- 5:30 PM	Lectern Session 1611	Light Rail and Street Car Planning for Priority Park and Ride and Ridership	Exploring the Relationship between the Light Rail Transit and Bus: Competition Substitution or Congestion Substitution	Yefu Chen Junfeng Jiao	University of Texas, Austin
3:45 PM- 5:30 PM	Lectern Session 1578	Congestion Pricing in a New Mobility Landscape	Traffic and Welfare Impacts of Credit-Based Congestion Pricing Applications: an Austin Case Study	Weijia Li Kara Kockelman Yantao Huang	University of Texas, Austin
3:45 PM- 5:30 PM	Lectern Session 1579	Public Transit and Paratransit in Developing Countries: Relative Perceptions and Lessons Learned on Integration	Integrating Formal and Informal Transit into One Hybrid Passenger Transport System in Lagos, Nigeria	Louis Alcorn Alex Karner	University of Texas, Austin
3:45 PM- 5:30 PM	Poster Session 1496	Highway Capacity Manual Uninterrupted Flow	Optimum Volume of Freeway Corridors	Siavash Shojaat Justin Geistefeldt Brian Wolshon	Arcadis-US, Inc. Ruhr-Universitat Bochum Louisiana State University
3:45 PM- 5:30 PM	Poster Session 1622	Innovation in Transportation Equity for the Development of More Robust Performance Metrics and Standards	Measuring Access to Public Transit for People with Disabilities using Detailed Sidewalk Data	Kaylyn Levine Alex Karner	University of Texas, Austin
3:45 PM- 5:30 PM	Poster Session 1629	Transportation Equity: Cross-Cutting Poster Session	Pitfalls in the Measurement of Transport Inequalities and Transport Poverty	Alex Karner Rafael Pereira	University of Texas, Austin Instituto de Pesquisa Economica Aplicada
3:45 PM - 5:30 PM	Poster Session 1630	Environmental Justice in Transportation Equity	Beyond Quantitative Analysis: Examining Equity Practices at US Public Transit Agencies	Kaylyn Levine Alex Karner	University of Texas, Austin
6:00 PM- 7:30 PM	Poster Session 1652	Emerging Research in Social and Economic Factors of Transportation	N/A	Steven Farber Michael Smart Nicholas Klein	University of Toronto Rutgers Cornell University

Wednesday, January 15

Time	Event #	Session Title	Presentation Title	Presenters/Researchers	Affiliated Institution
8:00 AM- 12:00 PM	ADA20	Metropolitan Policy, Planning, and Processes Committee	N/A	Hannah Twaddell	ICF
10:15 AM- 12:00 PM	Poster Session 1728	Transportation Modeling Network Mega and Joint Poster Session with Traveler Behavior and Values	Convergence Behavior for Traffic Assignment Characterization Metrics	Priyadarshan Pati Katherine Ross Stephen Boyles	University of Texas, Austin
10:15 AM- 12:00 PM	Lectern Session 1737	TRB: Our History and Our Future	TRB Past and Future: Panel Discussion	Susan Hanson Hari Kalla Carlos Bracerias Alison Conway Carol Lewis Sarah Jo Peterson	Clark University FHWA Utah Department of Transportation City College of New York Texas Southern University 23 Urban Strategies, LLC
10:15 AM- 12:00 PM	Lectern Session 1711	Transportation Equity Analysis	Transportation Equity, Education Equity, and School Choice: Making the Connections	Ariel Bierbaum Alex Karner Jesus Barajas	University of Maryland University of Texas, Austin University of Illinois at Urbana-Champaign
2:30 PM- 4:00 PM	Poster Session 1483	Novel Use of Economic Analysis in Decision Making	Economic Analysis of Freight Corridors and Projects in Texas	Rydell Walthall	University of Texas, Austin

Orange shading indicates CM² supported research or subcommittee meeting