

ITS-Davis Participants at TRB 98th Annual Meeting, Sunday, Jan. 13 to Friday, Jan. 17, 2019

Date/Time	Meeting Type	Meeting Title	Speaker(s)	Presentation Name/Number
Sun. (9 AM – 12 PM)	Workshop 1016	Developing a Roadmap for Ecologically Sustainable Transportation	Fraser Shilling	Introduction (P19-20918)
			Fraser Shilling	Defining Ecologically Sustainable Transportation (P19-20919)
			Daniel Sperling	Future of Sustainable Transportation (P19-20924)
			Fraser Shilling	Round Table Discussions (P19-20925)
			Fraser Shilling	Round Table Results Presentations (P19-20926)
			Fraser Shilling	Wrap-up and Closing Remarks (P19-20928)
Sun. (1:30 PM – 4:30 PM)	Workshop 1063	Taking Stock of Transportation Life-Cycle Assessment	Daniel Sperling, John Harvey (discussion leader)	Transportation LCA Perspective from California (P19-20964)
	Workshop 1090	Smart Initiatives and Intelligent Transportation Systems Applications for Efficient and Sustainable Freight Mobility	Miguel Jaller	Cargo Routing and Disadvantaged Communities (P19-21999)
Mon. (8:00 AM – 9:45 AM)	Lectern Session 1097	Business Models and Appraisal for Developing Country Public Transport	Jai Malik, Lewis Fulton, Gil Tal	Three Revolutions in India: The Relative Costs of Modes Taking into Account Ride-Hailing, Electrification, and Automation (19-04678)
	Lectern Session 1103	Life Course Events and Inter-Generational Travel Behavior	Susan Handy	Examining the Effect of Life Course Events on Modality Type and the Moderating Influence of Life Stage (19-05414)
	Lectern	Pavements and the Urban Climate:	Hui Li, John	Laboratorial Investigation on

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	Session 1111	Coatings to Improve Air Quality and Reduce Temperature	Harvey	Optical and Thermal Properties of Cool Pavement Nano-Coatings for Urban Heat Island Mitigation (19-02300)
Date/Time	Meeting Type	Meeting Title	Speaker(s)	Presentation Name/Number
Mon. (8:00 AM – 9:45 AM)	Lectern Session 1124	Access Management Science and Standards	Sean Donohoe, Bahram Ravani	An Overview and Classification of Methods to Manage Low Volume Access Points in Road Construction (19-02212)
	Poster Session 1147	Innovative Applications of Commodity Flow Survey Public Use Microdata	Miguel Jaller, Hanjiro Ambrose, Alissa Kendall	Life Cycle Impact Assessment of Freight Flow in California (P19-20484)
	Poster Session 1156	Placement and Properties of Concrete Materials	Hui Li, John Harvey	Mechanical Properties Improvement and Environmental Evaluation of Fly Ash in Graded Pervious Concrete Based on the Optimum Cement-Aggregate Ratio (19-04114)
	Poster Session 1163	Factors Impacting the Use of Shared Mobility Services	Miguel Jaller, Elham Pourrahmani, Caroline Rodier	Simulation-Optimization Framework to Evaluate a Sustainable First Mile Transit Access Program Using Shared Mobility (19-03368)
	Poster Session 1164	Operation Considerations for Shared Mobility	Caroline Rodier, Elham Pourrahmani, Miguel Jaller, Anmol Pahwa	Competition among Automated Taxis, Transit, and Conventional Passenger Vehicles: Traffic Effects in the San Francisco Bay Area (19-02178)
	Poster Session 1166	Latest Research in Urban Freight Movement from Around the World	Miguel Jaller, Leticia Pineda,	Evaluating Zero Emission Vehicles in Last Mile Delivery Vocations

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			Hanjiro Ambrose	(19-02809)
Mon. 10:15 AM – 12:00 PM	Lectern Session 1175	Do Transportation Network Companies Increase or Decrease Congestion?	Giovanni Circella	Part 2 – Empirical Evidence (P19-21138)
Mon. 10:15 AM – 12:00 PM	Lectern Session 1179	Decarbonizing Transportation: Current Efforts and Ongoing Needs (for the #1 Source of Greenhouse Gas Emissions in the United States)	Daniel Sperling	California’s GHG Policies: Technical and Political Challenges and Successes (P19-21506)
	Lectern Session 1188	Drainage in Pavement System	Hui Li, John Harvey	Development of Rainfall-Infiltration Model for Permeable Pavement and Evaluation on Its Influencing Factors (19-03416)
	Poster Session 1217	Using Weigh-in-Motion Data: Focus on Traffic Inputs for Pavement Design and Data Quality	Changmo Kim, Jeremy Lea, John Harvey	A Decision Tree Analysis for Developing Weigh-in-Motion (WIM) Spectra in California Pavement Management System (PaveM) (19-05922)
Mon. 1:30 PM – 3:15 PM	Subcommittee Chair	International Aspects of Transportation Energy Subcommittee, ADC70(1)	Lewis Fulton	(ADC70) (ADC70(1))
	Lectern Session 1244	Shifting Gears with Transformational Change in Transportation	Caroline Rodier	Rural Mobility (P19-20209)
	Lectern Session 1247	Best Papers from the 2017 National Household Travel Survey Data Challenge	Sarah Grajdura, Yunwan Zhang, Saurabh Maheshwari, Zhengi Liang	Perceived Health Status and Travel Patterns (P19-20903)
	Poster Session 1289	Parking Potpourri	Tongxin Xu	A Simulation Study of the Efficiency of Unmarked On-Street Parking and Vehicle Downsizing (19-04342)
			Rui Ma	Curbside Parking Charges Based on the Difference Threshold

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				(19-04396)
Mon. 3:45 PM – 5:30 PM	Lectern Session 1323	Automated Vehicles, New Transportation Technologies, and Changing Household Decisions	Giovanni Circella	Identifying Latent Mode-use Propensity Segments in an All-AV Era (19-05875)
Mon. 3:45 PM – 5:30 PM	Lectern Session 1324	Hot Topics and Emerging Issues in Ecology and Transportation	Cameron Denney, David Waetjen, Fraser Shilling	Wildlife-Vehicle Conflict: Automated Hotspot Analysis (P19-20659)
	Poster Session 1360	Current Issues in Transportation Energy	Tongxin Xu, Erich Muehlegger, Alan Jenn	Engine Size Tax and Its Impacts on Chinese Automobile Supply (19-05553)
	Poster Session 1361	Current Issues in Alternative Transportation Fuels and Technologies	Jae Hyun Lee, Debapriya Chakraborty, Scott Hardman, Gil Tal	Exploring Heterogeneous Electric Vehicle Charging Behavior: Mixed Usage of Charging Infrastructure (19-01820)
			Guozhen Li, Joan Ogden	Simulation-Based Scenario Analysis on Growth of Medium-Duty and Heavy-Duty Hydrogen Fuel Cell Vehicles and Their Refueling Infrastructure Needs in California (19-02958)
			Gil Tal, Sessa Raghavan	Characterizing Plug-In Electric Vehicle Driving and Charging Behavior: Observations from a Year Long Data Collection Study (19-03573)
			Wei Ji, Gil Tal	Exploring the Value of Clean Air Vehicles High Occupancy Lane Access in California (19-03755)
			Jae Hyun Lee,	Investigating the Buyers of Electric

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			Scott Hardman, Gil Tal	Vehicles in California: Are We Moving Beyond Early Adopters? (19-05163)
Mon. 3:45 PM – 5:30 PM			Kenneth Kurani, Nicolette Caperello	Filling the Gender Gap in Electric Vehicle Markets (19-01441)
	Poster Session 1370	Freight Transportation Planning and Logistics Research	Miguel Jaller, Anmol Pahwa	Evaluating the Environmental Impacts of Online Shopping: A Behavioral Analysis Using the American Time Use Survey (ATUS) Data (19-04812)
Tues. 8:00 AM – 9:45 AM	Lectern Session 1388	Autonomous Vehicles and Mobility Services: An Economics Perspective	Caroline Rodier, Elham Pourrahmani, Miguel Jaller	Automated Vehicle Scenarios: Simulation of System-Level Travel Effects in the San Francisco Bay Area (19-04616)
	Lectern Session 1406	New Test Methods for Stabilized Soils	Stephanus Louw, Rongzong Wu, Joseph Hammack, David Jones	Development of an Improved Test Setup for Measuring the Resilient Modulus of Stabilized Pavement Materials (19-033085)
	Poster Session 1431	Current Issues in Transportation and Air Quality	Rui Ma	Multiple Equilibrium Behaviors Considering Human Exposure to Vehicular Emissions (19-05604)
Tues. 10:15 AM – 12:00 PM	Lectern Session 1453	Shared Mobility, Ridehailing, and Emerging Transportation Trends	Farzad Alemi, Giovanni Circella	Exploring the Relationships between the Use of Uber and Lyft and Other Components of Travel Behavior in California (19-03349)
	Lectern Session 1460	Engineering the Pavements of the Future: Innovations in Pavement Design and	Ali Butt, John Harvey	Mechanistic-Based Parametric Model For Predicting Rolling

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		Analysis		Resistance of Concrete Pavements (19-03400)
	Lectern Session 1493	Emerging Research on Social and Economic Factors	Giovanni Circella	Heterogeneous Residential Preferences among Millennials and Members of Generation X in California: A Latent-Class Approach (19-04302)
Tues. 10:15 AM – 12:00 PM	Poster Session 1621	Emerging Research Topics in Land Use and Transportation Planning and Policy	Elisa Barbour, Susan Handy	Multi-variable Relationships among Built-environment Factors that affect Vehicle Miles Traveled (19-05289)
Tues. 12:15 PM – 1:15 PM	Subcommittee Chair	Freight Surveys Subcommittee, ABJ40(2)	Miguel Jaller	(ABJ40) (ABJ30(2))
Tues. 1:30 PM – 3:15 PM	Subcommittee Chair	Low-Volume Roads Conference Planning Subcommittee, AFB30(1)	David Jones	(AFB30) (AFB30(1))
	Lectern Session 1537	Emerging Forms of Cycling: Bikeshare, E-Bikes, and Shared E-Bikes	Dillon Fitch, Susan Handy	E-Bicycling for Short Distance Commutes: What Will It Take For Drivers to Switch? (19-04506)
	Poster Session 1555	Importance and use of Pavement Management Data	Jeremy Lea	Algorithmic Cleaning of Pavement Performance Time Series Data (19-03347)
	Poster Session 1558	Asphalt Binder Aging, Low Temperature Testing, High Temperature Testing, Creep Recovery, Fatigue, and Other Topics	Yanlong Liang, Rongzong Wu, John Harvey, David Jones	Investigation into the Oxidative Aging of Asphalt Binders (19-03918)
Tues. 3:45 PM – 5:30 PM	Committee Chair	Effects of Information and Communication Technologies on Travel Choices Committee	Giovanni Circella	Presiding (ADB20)
	Lectern Session 1591	Modeling the Response of Concrete Highway and Airfield Pavements	John Bolander	Computational Modeling of Early-Age Behavior of Concrete Bridge Decks and Pavements (P19-20873)
	Poster Session	Updates on Emerging Technologies and	Rongzong Wu,	Development and Demonstration

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	1622	Performance Assessments of Asphalt Paving	John Harvey, Jeffery Buscheck	of Hot Mix Asphalt Design Guidance for Mix Performance Related Specifications (19-04312)
Tues. 3:45 PM – 5:30 PM	Poster Session 1623	Asphalt Binder: Modifiers, Recycling, and Rejuvenation	Mohamed Elkashef, Shawn Hung, David Jones, John Harvey	Using Predictive Models to Estimate the Properties of Binders in Reclaimed Asphalt Pavement Mixes using Fine Aggregate Matrix Testing (19-03284)
	Poster Session 1625	Aggregate and Fillers in Asphalt Mixtures	Hui Li, John Harvey	Effects of Fine Solid Waste As Alternative Filler on Asphalt Mortar (19-02881)
Wed. 8:00 AM – 9:45 AM	Subcommittee Chair	Animal-Vehicle Collisions, ANB20(2), Joint Subcommittee of ANB20, ADC30	Fraser Shilling	(ANB20) (ANB20(2)) (ADC30)
	Poster Session 1697	Travel Behavior Analysis	Giovanni Circella	Who Doesn't Mind Waiting? A Revealed Preference Study of Northern California Commuters (19-03437)
	Poster Session 1698	Active Modes and Travel Behaviors	Susan Handy	The Reciprocal Influence of Bicycling Attitudes, Skills, and Behavior (19-00117)
Wed. 8:00 AM – 12:00 PM	Poster Session 1699	Self-Driving, Sharing, and On-Demand Adoption: Data and Models for a Transformative Mobility Roadmap	Regina R. Clewlow	The Micro-Mobility Revolution: The Introduction and Adoption of Electric Scooters in the United States (19-03991)
	Poster Session 1709	Bus Transit Research and Practices, Part 2 (Part 1, Session 1573)	Rui Ma	Evaluation and Prediction of Bus Operation Condition Based on Bunching Analysis (19-03529)
	Committee	Low-Volume Roads Committee	David Jones	(AFB30)

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	Chair			
Wed. 10:15 AM – 12:00 PM	Subcommittee Chair	Sustainability Research Subcommittee	Hanjiro Ambrose	(ADD40) (ADD40(2))
	Committee Special Presentation	Ecology and Transportation Committee	Fraser Shilling	What is “Ecologically-Sustainable Transportation” and Can We Achieve it? (P19-20929)
Wed. 10:15 AM – 12:00 PM	Poster Session 1499	Bicycle Transportation Research	Giovanni Circella	User Preferences for Bicycle Infrastructure in Communities with Emerging Cycling Cultures (19-04130)
			Xiaodong Qian, Miguel Jaller	Station-Level Analysis for Bikeshare Activity in Disadvantaged Communities (19-05222)
			Dillon Fitch	Analysis Of Bicyclist Race and Ethnicity from Eight Travel Surveys in the United States (19-06016)
	Lectern Session 1725	Improving Pavement Performance Using Accelerated Pavement Testing	John Harvey, Fabian Paniagua, Julio Paniagua, Rongzong Wu	Accelerated Testing of Full-Scale Thin Bonded Concrete Overlay of Asphalt (19-04553)
	Poster Session 1745	Fresh Ideas in Statewide Multimodal Transportation Planning	Grant Matson, Giovanni Circella, Farzad Alemi	Understanding Automated Vehicle Adoption Potential as a Means for Equitable Transportation (P19-20365)
	Poster Session 1749	Impacts of Information Communication and Technologies on Transportation	Giovanni Circella	Investigating demographic and multitasking sources of systematic heterogeneity with respect to the impact of travel time on commute mode choice (19-03326)

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	Poster Session 1750	Shared Mobility and Changing Travel Behaviors	Farzad Alemi	Presiding
	Lectern Session 1723	Advances in Life Stage Research	Giovanni Circella	What Drives the Gap? Decomposing Differences between Millennials and Generation X in Transportation-Related Attitudes (19-03445)
Wed. 2:30 PM – 4:00 PM	Lectern Session 1762	Electric Vehicles: Market Development and Consumer Response	Alan Jenn, Jae Hyun Lee, Scott Hardman, Gil Tal	An In-Depth Examination of Electric Vehicle Incentives: Consumer Heterogeneity and Changing Response over Time (19-04255)
Wed. 4:30 PM – 6:00 PM	Lectern Session 1782	Electrifying and Decarbonizing the U.S. Vehicle Fleet	Rosaria Berliner, Scott Hardman, Gil Tal	Uncovering Early Adopter's Perceptions and Purchase Intentions of Automated Vehicles: Insights From Early Adopters of Electric Vehicles in California (19-03708)
		Sustainability and New Transportation Technologies Conference 2020 Planning Committee	Giovanni Circella	(ADD40) (ADB20) (A0020T)
Thurs. 8:00 AM – 12:00 PM	Workshop 1787	Autonomous Vehicles and Their Impact on the Transportation Workforce	Austin Brown	Empowering the New Mobility Workforce (P19-21213)
	Workshop 1792	Sustainability Next Steps: Sharing Information and Trends from the 2019 Annual Meeting and Identifying Next Steps for Research	Giovanni Circella	Communications, Data, and New Technologies (P19-21724)