

Over 60 ITS-Davis representatives are participating in the Transportation Research Board's 95th annual meeting January 10–14, 2016 in Washington, D.C. Details are listed below.

COMMITTEE MEETINGS

Animal-Vehicle Collisions Subcommittee, ANB20(2)

January 11, 2016 1:30-3:15pm

ITS-Davis President: *Fraser Shilling*

Emerging and Innovative Public Transport and Technologies Committee

January 11, 2016 1:30-5:30pm

ITS-Davis President: *Caroline Rodier*

Chemical, Mechanical, and Asphalt Stabilization Committee

January 11, 2016 1:30-5:30pm

ITS-Davis President: *David Jones*

International Aspects of Transportation Energy Subcommittee, ADC70 (1)

January 12, 2016 1:30-3:15pm

ITS-Davis President: *Lewis Fulton*

Metropolitan Policy, Planning, and Processes Committee

January 13, 2016 8:00am-12:00pm

Will An Auto-Oriented Public Vote for Higher Parking Rates and Public Transit?

Evidence from San Francisco

ITS-Davis Presenters: *Matthew Palm, Susan Handy*

Low-Volume Roads Committee

January 13, 2016 8:00am-12:00pm

ITS-Davis President: *David Jones*

Environmental Justice in Transportation Committee

January 13, 2016 8:00am-12:00pm

How Dynamic Ridesharing Could Be Used to Improve Mobility in Rural, Low-income Communities

ITS-Davis Presenters: *Autumn Bernstein, Debbie Niemeier*

TRB Executive Committee

January 13, 2016 8:00-11:45am, 2:30-6:00pm; January 14, 2016 8:00am-12:00pm

ITS-Davis President: *Daniel Sperling*

JANUARY 10, 2016

Workshop 124: Doctoral Student Research in Asphalt Materials and Mixtures

9:00am-12:00pm

Interactive Presentation: Designing a Laboratory Experiment: What is important?

ITS-Davis Presenter: *Mohammad Zia Alavi*

Workshop 129: Full-Depth Reclamation: Developing Specifications from Field and Laboratory Testing Experience

9:00am-12:00pm

FDR in California: Specifications for FDR Projects on Thick Asphalt Surfacing

ITS-Davis Presenter: *David Jones*

Panel Response to Audience Questions

ITS-Davis Presenter: *David Jones*

Workshop 186: Shaping the Future Market Through Policy and Research, Part 2

1:30-4:30pm

Interactive Breakouts

ITS-Davis Presenter: *Autumn Bernstein*

Workshop 194: Doctoral Student Research in Transportation Modeling

1:30-5:30pm

Analysis, Modeling, and Simulation of Microscale Traffic Dynamics Under Different Driving Environments

ITS-Davis Presenter: *Hui Deng*

Addressing the Joint Occurrence of Self-Selection and Simultaneity Biases in Estimation of Program Effects

ITS-Davis Presenter: *Gouri Shankar Mishra*

JANUARY 11, 2016

Session 214: LTPP-MEPDG and Long-Life Concrete Pavements

8:00-9:45am

Development and Validation of Mechanistic-Empirical Design Method for Permeable Interlocking Concrete Pavement

ITS-Davis Presenters: *Hui Li, Rongzong Wu, David Jones, John Harvey*

Session 238: Innovations in Airport Paving

8:00-9:45am

Analysis of Falling Weight Deflectometer Data Collected on Flexible Pavements During First Cycle of Accelerated Pavement Testing at National Airport Pavement Test Facility

ITS-Davis Presenters: *Rongzong Wu, Qi Ren, John Harvey*

Session 244: Advancement in the Construction Management of Transportation Facilities

8:30-10:15am

Collaborative Partnering Levels on Recently Completed Road Construction Projects

ITS-Davis Presenters: *Debbie Niemeier, Aaron Fackler*

Session 248: Operational Considerations to Advance Quality Asphalt Construction and Reconstruction

8:30-10:15am

Design and Construction of Long-Life Semirigid Pavement: Investigation from Test Sections in Northern and Southern China

ITS-Davis Presenter: *Hui Li*

Session 257: Impact of Gender and Age on Mode Choice and Accessibility

10:15am-12:00pm

ITS-Davis Presenter: *Susan Handy*

Session 267: Hot Topics and Emerging Themes in Ecology and Transportation

10:15am-12:00pm

Wireless Camera Systems and Web-Informatics for Environmental Monitoring of Transportation Corridors

ITS-Davis Presenters: *Fraser Shilling, David Waetjen*

Session 300: Long-Distance and Intercity Travel

10:45am-12:30pm

Exploring the Longest Trip: A New Look on the Impact of Long Road Trips on VMT

ITS-Davis Presenters: *Gil Tal, Michael Nicholas*

Session 308: Research Trends in Evacuation Transportation Modeling and Analysis

10:45am-12:30pm

Design of Routing Emergency Shuttle Bus for Small Metropolitan Network

ITS-Davis Presenters: *Rui Ma, H. Zhang*

Session 310: Teleportation and Environmental Justice: Technical Papers and Practices

10:45am-12:30pm

Spatial Analysis of Housing and Transportation Affordability in Los Angeles County

ITS-Davis Presenters: *Jeffrey Williams, Jahalel Tuil*

Session 314: Select Papers on Basic Research and Emerging Technologies Related to Concrete

10:45am-12:30pm

Nanoengineered Cementitious Composites and Electrical Impedance

ITS-Davis Presenters: *Jesus Gonzalez, Sumit Gupta, Rongzong Wu*

Session 380: New Directions in Travel Surveys: Big Data, Smartphones, and Stated Preference

2:00-3:45pm

Exploring Use of Web-Based Map Tool for Travel Behavior Data Collection: Lessons from Plug-in Vehicle Owner Surveys

ITS-Davis Presenters: *Gil Tal, Matthew Favetti, Michael Nicholas*

Session 385: Quantifying Pavement Sustainability

2:00-3:45pm

Model Development, Field Section Characterization, and Model Comparison for Excess Vehicle Fuel Use due to Pavement Structural Response

ITS-Davis Presenter: *John Harvey*

Simulation of Annual Excess Fuel Consumption from Pavement Structural Response for California Test Sections

ITS-Davis Presenters: *John Harvey, Jeremy Lea, Chang Mo Kim*

Session 416: Structures Maintenance: Coatings and Scour

3:45-5:30pm

Introducing Two Sensing Schemes for Bridge Scour Monitoring

ITS-Davis Presenter: *Fae Azhari*

Session 437: Current Issues in Environmental Analysis in Transportation

4:15-6:00pm

Advance Environmental Mitigation of Transportation Projects: Evidence on Financial Impacts

ITS-Davis Presenters: *Gian-Claudia Sciara, James Thorne*

Session 438: Current Issues in Transportation and Air Quality

4:15-6:00pm

Strategy of AERMOD Configuration for Transportation Conformity Hot-Spot Analyses

ITS-Davis Presenter: *Yizheng Wu*

Session 443: Pavement Monitoring and Evaluation: Advances in the Science

4:15-6:00pm

Initial Classification Algorithm for Pavement Distress Images Using Features Fusion of Texture and Shape

ITS-Davis Presenter: *Hui Li*

JANUARY 12, 2016

Session 485: Traffic Network Management

8:00-9:45am

Dynamic Traffic Routing in a Network with Adaptive Signal Control

ITS-Davis Presenters: *Huajun Chai, H. Zhang, Chen-Nee Chuah, Dipak Ghosal, Dylan Smith*

Session 486: Animal-Vehicle Collisions: Understanding and Reducing Risk for Driver Safety and Sustainability

8:00-9:45am

ITS-Davis President: *Fraser Shilling*

Testing Landscape Linkage Models with Extensive Wildlife-Vehicle Collision Data

ITS-Davis Presenter: *Fraser Shilling*

Session 509: Intersection of New Mobility Services and Public Transport: Empirical and Theoretical Insights

8:00-9:45am

ITS-Davis President: *Caroline Rodier*

Session 516: Industry-Based Trucking Research

8:00-9:45am

Electrification of Drayage Trucks: On Track for a Sustainable Freight Path

ITS-Davis Presenters: *Hanjiro Ambrose, Miguel Jaller*

Environmental and Economic Impact of Using New Generation Wide-Base Tires

ITS-Davis Presenter: *John Harvey*

Session 528: Current Issues in Transportation Energy and Climate Change

8:30-10:15am

Can Commuters Combat the Duck Curve with Plug-in Electric Vehicles? Scenario Analysis of PHEVs and BEVs

ITS-Davis Presenters: *Wei Ji, Michael Nicholas, Gil Tal*

Exploring Impact of the Federal Tax Credit on the Plug-in Vehicle Market

ITS-Davis Presenters: *Gil Tal, Michael Nicholas*

Will Learning-by-Doing Effect Lead California to a Low Carbon Transportation Fuel System? Dynamic Programming Approach

ITS-Davis Presenters: *Yueyue Fan, Yunteng Zhang*

Session 529: Current Issues in Alternative Transportation Fuels and Technologies

8:30-10:15am

EVMT in the Household Fleet: Integrating Battery Electric Vehicles into Household Travel

ITS-Davis Presenters: *Michael Nicholas, Gil Tal*

Modeling the Biofuel Production System from Hybrid Poplar Under Crop Competition

ITS-Davis Presenters: *Yuanzhe Li, Nathan Parker*

Session 530: Recent Advances in Social and Economic Factors of Transportation

8:30-10:15am

Driver's Licensing Delay: A Retrospective Study of the Impact of Attitudes, Parental and Social Influences, and Intergenerational Differences

ITS-Davis Presenters: Calvin Thigpen, Susan Handy

Session 531: Community Impact Assessment

8:30-10:15am

Harnessing Dynamic Ridesharing to Improve Mobility in Low-Income Rural Communities

ITS-Davis Presenters: Autumn Bernstein, Caroline Rodier

Session 538: Bicycling Research Mega Session

8:30-10:15am

When a Diet Prompts a Gain: Impact of Road Diet on Bicycling in Davis, California

ITS-Davis Presenters: Eric Gudz, Kevin Fang, Susan Handy

Modeling Bicycling to Elementary and Junior High School Using Bike Rack Counts

ITS-Davis Presenters: Dillon Fitch, Calvin Thigpen, Susan Handy

Session 551: Complete, Green, and Exceptional: Creating Streets of the Future

10:15am-12:00pm

Green Streets Design: Evidence from Three Case Studies in the United States

ITS-Davis Presenter: Alvaro Rodriguez-Valencia

Session 576: Energy Efficiency Technologies for Rail Transportation

10:15am-12:00pm

Rail Energy Technologies for the 21st Century: Summary Review and Analysis

ITS-Davis Presenters: Raphael Isaac, Lewis Fulton

Session 581: Fresh Ideas for Statewide Multimodal Transportation Planning

10:45am-12:30pm

California's Connected Millennials: Do They Travel More or Less?

ITS-Davis Presenters: Rosaria Berliner, Lewis Fulton, Farzad Alemi, Kate Tiedeman, Susan Handy

How's Our Ridesharing? Comparative Analysis of Policy Development for Future Mobility Services in California Communities

ITS-Davis Presenter: Susan Pike

Session 607: Travel Behavior Across Modes

1:30-3:15pm

Mode Choice to High School: Evidence from Northern California

ITS-Davis Presenters: Dillon Fitch, Susan Handy

Session 391: Public Transportation: Perceptions, Attitudes, and Behavior

2:00-3:45pm

Option and Nonuse Benefit Valuation of Passenger Rail Based on User and Nonuser Attitudes: Case Study of Santa Cruz, California

ITS-Davis Presenters: Brianna Goodman, Farzad Alemi

Session 647: Fatigue Cracking Characteristics of Asphalt Mixtures

2:00-3:45pm

Effect of Mixture Properties on Fatigue Failure Mechanism in Asphalt Concrete

ITS-Davis Presenters: John Harvey, Rongzong Wu

Session 648: Fracture Properties and Characteristics of Asphalt Mixtures

2:00-3:45pm

Fracture Properties Comparison of Asphalt Concrete Using Beam Fatigue and Semicircular Bending with Noncontact Camera and Crosshead Movement

ITS-Davis Presenter: John Harvey

Session 659: Transit Quality of Service: Crowding, Bus Reliability, and Service Quality Modeling

2:00-3:45pm

Investigating the Effect of Traffic Signals on Transit Reliability

ITS-Davis Presenter: H. Zhang

Session 710: Critical Transportation Infrastructure Protection and Resilience

2:00-3:45pm

Adaptive Planning for Sea Level Rise-Threatened Transportation Corridors

ITS-Davis Presenter: Fraser Shilling

Session 692: New Developments in Full-Depth Reclamation of Asphalt Pavements

3:45-5:30pm

Full-Depth Reclamation: Cost-Effective Rehabilitation Strategy for Low-Volume Roads

ITS-Davis Presenters: David Jones, Stephanus Louw, Rongzong Wu

Session 714: Pavement Performance in Pavement Management Systems

4:15-6:00pm

Mean Texture Depth and Deflection Detection-Based Bike Pavement Management

ITS-Davis Presenters: Xiaodong Qian, Richard Lee, Debbie Niemeier

Session 719: Aging of Asphalt Binders

4:15-6:00pm

Evaluating the Changes to New Asphalt Binder Rheology When Adding Aged Conventional and Aged Asphalt Rubber Binders

ITS-Davis Presenters: Mohammad Zia Alavi, Shawn Hung, John Harvey, David Jones

Evaluating Diffusion and Aging Mechanisms in Blending of New and Age-Hardened Binders during Mixing and Paving

ITS-Davis Presenters: Mohammad Zia Alavi, John Harvey, David Jones

JANUARY 13, 2016

Session 756: Research Progress on Cool Pavement Strategies

8:00-9:45am

Human Thermal Comfort: Modeling the Impact from Different Cool Pavement Strategies

ITS-Davis Presenters: Hui Li, John Harvey

Session 770: TRB Special Report 319, Between Public and Private Mobility: Examining the Rise of Technology-Enabled Transportation Services

8:00-9:45am

ITS-Davis President: *Caroline Rodier*

Session 781: New Insights into Mode Choice

8:30-10:15am

External Impacts on the Effect of Social Influence in Transportation Mode Choice

ITS-Davis Presenters: *Susan Pike, Mark Lubell*

Session 782: Vehicle Ownership and Usage

8:30-10:15am

Effect of Carsharing on Vehicle Holdings and Travel Behavior: Propensity Score and Causal Mediation Analysis of San Francisco Bay Area

ITS-Davis Presenters: *Gouri Shankar Mishra, Regina Clewlow, Keith Widaman*

Session 784: Information and Communication Technologies and Activity Travel Choices

8:30-10:15am

Relationships Between Online and In-Store Shopping Frequency of Residents in Davis, California

ITS-Davis Presenter: *Susan Handy*

Ex Post Information Tailoring Strategy to Regulate Day-to-Day Network Traffic Evolution

ITS-Davis Presenter: *H. Zhang*

Session 798: TDM Strategies: Technology, Incentives, and Implementation

10:15am-12:00pm

Dynamic Ridesharing: An Exploration of the Potential for Reduction in Vehicle Miles Traveled

ITS-Davis Presenters: *Caroline Rodier, Farzad Alemi*

The Need for a Comprehensive Demand Management Strategy that Considers both Passenger and Freight: Mitigating the Impact of Passenger Induced Demand

ITS-Davis Presenters: *Miguel Jaller, Farzad Alemi*

Session 855: Transportation Network Modeling

2:45-4:30pm

Dynamic Traffic Routing in a Network with Adaptive Signal Control (16-4445)

ITS-Davis Presenters: *Huajun Chai, H. Zhang, Chen-Nee Chuah, Dipak Ghosal, Dylan Smith*

JANUARY 14, 2016

Workshop 878: Tools and Techniques for Evaluation of Thermal Cracking Properties of Asphalt Mixtures

8:00am-12:00pm

Thermal Cracking Analysis Package (TCAP) for predicting thermal cracking events in asphalt pavements

ITS-Davis Presenter: *Mohammad Zia Alavi*