Over 60 ITS-Davis representatives are participating in the Transportation Research Board’s 96th annual meeting January 8 – 12, 2017 in Washington, D.C. Details are listed below.

**COMMITTEE MEETINGS**

**Emerging and Innovative Public Transport and Technologies Committee**
January 9, 2017 8:00 AM-9:45 AM
**ITS-Davis Presider:** Caroline Rodier

**Low-Volume Roads Committee**
January 9, 2017 1:30 PM-5:30 PM
**ITS-Davis Presider:** David Jones

**Freight Surveys Subcommittee, ABJ40(2)**
January 11, 2017 7:00 AM-8:00 AM
**ITS-Davis Presider:** Miguel Jaller

**International Aspects of Transportation Energy Subcommittee, ADC70(1)**
January 11, 2017 8:00 AM-9:45 AM
**ITS-Davis Presider:** Lewis Fulton

**Animal-Vehicle Collisions Subcommittee, ANB20(2)**
January 10, 2017 6:00 PM-7:30 PM
**ITS-Davis Presider:** Fraser Shilling

**Sealants and Fillers for Joints and Cracks Committee**
January 10, 2017 1:30 PM-5:30 PM
*Sealzall - Automated Crack Sealing Machine*
**ITS-Davis Presenter:** Bahram Ravani

**JANUARY 8, 2017**

**Workshop 101: The Nexus of Transportation and Environmental Health Governance: Intersections and Collisions Across and Within Borders**
9:00 AM-12:00 PM
**ITS-Davis Presenter:** Daniel Sperling

9:00 AM-12:00 PM
*Mobility Issues in Autonomous and Connected Vehicles*
**ITS-Davis Presenter:** Regina Clewlow
9:00 AM-12:00 PM

Switching to Fuels with Large Upstream Emissions: Choosing a Metric and Method for Vehicle Emissions Regulations
ITS-Davis Presenter: Daniel Sperling

Workshop 125: Doctoral Student Research in Asphalt Materials and Mixtures
9:00 AM-12:00 PM

Considering Spatial Variability in Pavement Design
ITS-Davis Presenter: Jeremy Lea

Workshop 143: The Virtual Automobile: Ubiquitous Traveler Platform
9:00 AM-12:00 PM

Panel 1: State of the Practice and What Users Want: The Customer Perspective
ITS-Davis Presenter: Regina Clewlow
Panel 3: Governance Issues
ITS-Davis Presenter: Giovanni Circella

Workshop 147: Spatial Analysis
9:00 AM-12:30 PM

Thesis Experiment Design for Graduate Students
ITS-Davis Presenter: Mohamad Zia Alavi

JANUARY 9, 2017

Session 217: New Developments in Sustainable Low-Volume Road Management
8:00 AM-9:45 AM

Development of a Design Procedure for Converting Distressed Paved Roads Back to More Sustainable All-Weather Unpaved Standard
ITS-Davis Presenter: David Jones

Session 223: Future of Alternative Project Delivery: Pathways and Obstacles
8:00 AM-9:45 AM

Collaborative Partnering: Implementation, Impact, and Field Staff Perceptions
ITS-Davis Presenter: Aaron Fackler, Debbie Niemeier

Session 236: Managed Lanes and Congestion Pricing Analysis, Design, and Operations
8:00 AM-9:45 AM

Evaluating Configurations of Managed Lane Access Control Using Multicommodity Link-Node Cell Transmission Model
ITS-Davis Presenter: David Jones

8:00 AM-9:45 AM

Two-Stage Model for Optimizing a Flexible Bus Bridging Strategy During Metro Disruptions
ITS-Davis Presenter: H. Zhang
Session 276: Everything You Wanted to Know About Parking But Were Afraid to Ask
10:15 AM-12:00 PM

Search for Parking: Dynamic Parking and Route Guidance System for Efficient Parking and Traffic Management
ITS-Davis Presenter: Huajun Chai, Rui Ma, H. Zhang

Session 281: Transport, Safety, Highway, and Public Transport in the Developing Countries
10:15 AM-12:00 PM

Evaluating Regional Multimodal Freight Transport Projects Considering Operational and Socioeconomic Benefits
ITS-Davis Presenter: Miguel Jaller

Session 289: Logistics of Disaster Response
10:15 AM-12:00 PM

Forecasting Emergency Supplies and Analysis of the Response Process: Case of 2014 Fire in Valparaíso, Chile
ITS-Davis Presenter: Miguel Jaller

Session 329: School Transportation Research
10:15 AM-12:00 PM

Barcodes, Virtual Money, and Golden Wheels: How Schools in Davis, California, Encourage Bicycling to School
ITS-Davis Presenter: Calvin Thigpen, Rachel Hartsough

Session 352: Lifecycle Transport Needs
1:30 PM-3:15 PM

A Discussion on Equity and New Car Buyers in California
ITS-Davis Presenter: Julie Schiffman, Gil Tal, Lewis Fulton

Session 357: Innovations in Urban Transportation Data
1:30 PM-3:15 PM

Relation Between Parking Garage Occupancy and Traffic Speeds in Cities: Results from Data-Driven Study
ITS-Davis Presenter: Rui Ma, Shenyang Chen, H. Zhang
Intersection and Stop Bar Position Extraction from Crowdsourced GPS Trajectories
ITS-Davis Presenter: Tingxu Lyu

Session 365: Mega-regions: How We Are Evolving
1:30 PM-3:15 PM

Accounting for Interregional Travel in Regional Land Use and Transportation Plans: Comparison of Attribution Methods
ITS-Davis Presenter: Farzad Alemi, Caroline Rodier
Session 366: Behavioral Effects of Next-Generation Mobility  
1:30 PM-3:15 PM  
*On the Morning Commute Problem with Heterogeneous Dynamic Ridesharing Travelers*  
ITS-Davis Presenter: Rui Ma, H. Zhang

Session 374: Pavement Surface Characteristics  
1:30 PM-3:15 PM  
*Mean Texture Depth and Deflection Detection and Steering Angle-Based Bike Pavement Condition Assessment*  
ITS-Davis Presenter: Xiaodong Qian, Debbie Niemeier

Session 415: Decarbonization: Charting a Path Forward  
3:45 PM-5:30 PM  
ITS-Davis Presider: Daniel Sperling

Session 613: Dwight David Eisenhower Transportation Fellowship Program, Part 1 (Part 2, Session 614)  
1:30 PM-3:15 PM  
*Defining Safe Bicycling Environments Through Human Physiology*  
ITS-Davis Presenter: Dillon Fitch

January 10, 2017  
Session 507: Behavioral Processes  
8:00 AM-9:45 AM  
*Do Attitudes Cause Behavior or Vice Versa? Results from a Dutch Mobility Panel*  
ITS-Davis Presenter: Susan Handy

Session 508: Car Ownership and Shared Mobility  
8:00 AM-9:45 AM  
*Californian Millennials Drive Smaller Cars: Estimating Vehicle Type Choice of Millennials*  
ITS-Davis Presenter: Rosaria Berliner, Giovanni Circella

Session 510: Behavioral Dimensions of Travel Choice  
8:00 AM-9:45 AM  
*Does Telecommuting Reduce Travel? Accounting for Self-selection Using UK National Travel Survey*  
ITS-Davis Presenter: Gouri Shankar Mishra

Session 563: Current Issues in Transportation Energy  
10:15 AM-12:00 PM  
*Creating a Self-Sustaining Zero-Emission Vehicle Rebate System in California*  
ITS-Davis Presenter: Julie Schiffman, Lewis Fulton, Gil Tal
Session 564: Current Issues in Alternative Transportation Fuels and Technologies  
10:15 AM-12:00 PM  
*Modeling Choice of Plug-in Electric Vehicle Buyers in California: Nested Logit Approach*  
**ITS-Davis Presenter:** Gil Tal, Yan Xing

Session 569: Advances in Pavement Management Systems  
10:15 AM-12:00 PM  
**ITS-Davis Presenter:** Darren Reger

Session 570: Best Papers from 5th International Conference on Accelerated Pavement Testing  
10:15 AM-12:00 PM  
*Calibration of ME Design using a Combination of APT and PMS Data*  
**ITS-Davis Presenter:** Jeremy Lea

Session 625: Beyond Vehicle Kilometers Travelled: A Multidisciplinary Perspective on Millennials  
1:30 PM-3:15 PM  
*Exploring Millennials’ Mobility Styles, Adoption of Shared Mobility and Attitudes Towards Car Ownership in California*  
**ITS-Davis Presenter:** Giovanni Circella

Session 627: Economic Development, Accessibility, and Livability: Models and Tools  
3:45 PM-5:30 PM  
Pavement Condition and Residential Property Values: A Spatial Hedonic Price Model for Solano County, CA  
**ITS-Davis Presenter:** Fraser Shilling

Session 629: New Developments in Social and Economic Factors of Transportation  
1:30 PM-3:15 PM  
What Drives Millennials: Comparison of Vehicle Miles Traveled Between Millennials and Generation X in California  
**ITS-Davis Presenter:** Kate Tiedeman, Giovanni Circella, Farzad Alemi, Rosaria Berliner

Session 631: Pavement Structural Modeling and Evaluation  
1:30 PM-3:15 PM  
Stiffness and Strength for Fully Permeable Pavement Materials: Results from Field Characterization  
**ITS-Davis Presenter:** David Jones, Rongzong Wu, John Harvey
Session 635: Rubber-Modified Asphalt Mixtures
1:30 PM-3:15 PM

*Influence of Reclaimed Asphalt Pavement on Performance-Related Properties of Gap-Graded Rubberized Hot-Mix Asphalt*

ITS-Davis Presenter: Mohamad Zia Alavi, Shawn Hung, David Jones, John Harvey

*Performance Characterization of Reacted and Activated Rubber-Modified Dense-Graded Asphalt Mixtures*

ITS-Davis Presenter: Sampat Kedarisetty

Session 636: Reclaimed Asphalt Pavement and Recycled Asphalt Shingles in Asphalt Mixtures
1:30 PM-3:15 PM

*Effects of Rejuvenators on High-RAP Mixtures Based on Laboratory Tests of Asphalt Concrete Mixtures and Fine Aggregate Matrix Mixtures*

ITS-Davis Presenter: Hesamaddin Nabizadeh

Session 662: Transit Capacity and Quality of Service
1:30 PM-3:15 PM

*Bilevel Model for Design of Transit Short-Turning Services Considering Bus Crowding*

ITS-Davis Presenter: H. Zhang

Session 663: Timely Topics in Transit Safety and Security
1:30 PM-3:15 PM

*URT Emergency Facilities Location Problem Model in Consideration of Station Vulnerability*

ITS-Davis Presenter: Shenyang Chen

Session 665: New Mobility Services: New Research Evidence
1:30 PM-3:15 PM

**ITS-Davis Presider:** Farzad Alemi

*Adoption of Shared and Emerging Mobility Services in the United States*

ITS-Davis Presenter: Gouri Shankar Mishra, Regina Clewlow

Session 684: We Know There Is a Climate Problem; Why Aren't We Doing Something?
3:45 PM-5:30 PM

*Allocating State Transportation Funds to Promote Sustainability: The Case of California*

ITS-Davis Presenter: Amy Lee

Session 694: Latest Research in Metropolitan Policy, Planning, and Processes
3:45 PM-5:30 PM

*Repurposing the Paving: Case of Surplus Residential Parking in Davis, California*

ITS-Davis Presenter: Calvin Thigpen, Jamey Volker
Session 698: Information and Communications Technologies and New Behavioral Insights
3:45 PM-5:30 PM

*What Influences Travelers to Use Uber? Exploring the Factors Affecting the Adoption of On-Demand Ride Services*

**ITS-Davis Presenter:** Farzad Alemi, Giovanni Circella, Susan Handy

*Do Multitasking Millennials Value Travel Time Differently? A Revealed Preference Study of Northern California Commuters*

**ITS-Davis Presenter:** Giovanni Circella

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Session 702: Understanding Transportation-Land Use Relationships: Links to Policy
3:45 PM-5:30 PM

*Transportation Policy at the Ballot Box*

**ITS-Davis Presenter:** Kevin Fang, Calvin Thigpen

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Session 704: Transportation and Sustainability: Highlighted Papers
3:45 PM-5:30 PM

*Using Onboard Diagnostic and GPS Technology for Pricing of Emissions from On-Road Heavy Duty Vehicle*

**ITS-Davis Presenter:** Yizheng Wu, Daniel Sperling

*Introduction of Chinese Plug-in Electric Vehicle Market and an Exploration of Factors Associated with Choice of Plug-in Electric Vehicle*

**ITS-Davis Presenter:** Yan Xing, Gil Tal, Yunshi Wang

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Session 712: Pavement Condition Evaluation: State of the Art
3:45 PM-5:30 PM

*Correlating Field and Lab Measurements of Skid Resistance by Skidometer and Wehner-Schulze Device*

**ITS-Davis Presenter:** Bernhard Hofko

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Session 713: Accelerated Pavement Testing Advancements in Design and Economics
3:45 PM-5:30 PM

*Development of a Permanent Deformation Model for Unbound Layers Using Accelerated Pavement Testing Data from Airfield Pavements*

**ITS-Davis Presenter:** Rongzong Wu, John Harvey, David Jones

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Session 723: Cracking of Asphalt Mixtures
3:45 PM-5:30 PM

*Logit Model and Need to Reproduce Stiffness Degradation Curve of Asphalt Specimens During Fatigue Testing*

**ITS-Davis Presenter:** Rongzong Wu, John Harvey

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Session 746: Addressing Concerns About LED Street Lighting
3:45 PM-5:30 PM

*Management of Outdoor Lighting to Reduce Impacts on Wildlife*

**ITS-Davis Presenter:** Fraser Shilling
Session 749: Innovative Applications and Evaluations of Ridesharing and Ridesourcing Services
3:45 PM-5:30 PM
*ITS-Davis Presider:* Caroline Rodier

Session 754: Current Research in Freight Planning and Logistics
3:45 PM-5:30 PM
- *Spatial Analysis of Warehouses and Distribution Centers in Southern California*
  *ITS-Davis Presenter:* Miguel Jaller, Leticia Pineda Blanco, David Phong
- *Critical Review of the Logistics Performance Index (LPI): A Spatial Regression Analysis*
  *ITS-Davis Presenter:* Miguel Jaller, David Phong, Leticia Pineda Blanco

Session 767: Traffic Modeling and Traffic Control
6:00 PM-7:30 PM
*ITS-Davis Presider:* H. Zhang

January 11, 2017
Session 818: Changing Demand and Maintenance Needs: Grappling with the Uncertainty
10:15 AM-12:00 PM
- *What Affects U.S. Passenger Travel? Exploring Current Trends and Future Uncertainties Affecting Travel Demand*
  *ITS-Davis Presenter:* Giovanni Circella

Session 829: Transportation Demand Forecasting Poster Mega-session, Part 1 (Part 2, Session 830)
10:15 AM-12:00 PM
- *Sketch-Level Methods for Quantifying Vehicle Miles Traveled*
  *ITS-Davis Presenter:* Amy Lee, Kevin Fang, Susan Handy
- *Shared Mobility: Current Adoption, Use, and Potential Impacts on Travel Behavior*
  *ITS-Davis Presenter:* Regina Clewlow, Gouri Shankar Mishra

Session 833: Hot Topics and Emerging Themes in Ecology and Transportation
10:15 AM-12:00 PM
- *Advancing Environmental Monitoring of Highways with Autonomous Camera Systems and Web-informatics*
  *ITS-Davis Presenter:* Fraser Shilling, David Waetjen

Session 840: RAP/RAS Impacts on Mixture Performance
10:15 AM-12:00 PM
- *Design and Performance Properties of High RAP Content Mixes for Use in Airfield Pavements*
  *ITS-Davis Presenter:* Mohamad Zia Alavi, David Jones
Session 852 Bicyclist Travel Behavior  
10:15 AM-12:00 PM  
*The Relationship between Bicycling and the Built Environment Revisited: New Evidence from California*  
ITS-Davis Presenter: Susan Handy  
*Bicyclist Behavior in San Francisco: A Before-and-After Study of the Impact of Infrastructure Investments*  
ITS-Davis Presenter: Dillon Fitch, Calvin Thigpen, Antonio Cruz, Susan Handy

Session 868 Transforming Approaches to Address Transformative Mobility  
2:30 PM-4:00 PM  
*What Drives Millennials: Comparison of Vehicle Miles Traveled Between Millennials and Generation X in California*  
ITS-Davis Presenter: Kate Tiedeman, Giovanni Circella, Farzad Alemi, Rosaria Berliner

Session 774: Technology Use in Travel Surveys  
8:00 AM-9:45 AM  
*Understanding the Stability of Individual Travel Patterns Based on Longitudinal Mobile Phone Data: Case Study of Three Communities in Shanghai, China*  
ITS-Davis Presenter: H. Zhang

Session 777: Planning Implications of Emerging Transportation Technologies and Trends  
8:00 AM-9:45 AM  
*Multimodal Behavior of Millennials: Exploring Differences in Travel Choices Between Young Adults and Gen-Xers in California*  
ITS-Davis Presenter: Giovanni Circella, Farzad Alemi, Rosaria Berliner, Kate Tiedeman, Lewis Fulton, Susan Handy

Session 780: Transportation Planning Applications  
8:00 AM-9:45 AM  
*Closing the Induced Vehicle Travel Gap Between Research and Practice*  
ITS-Davis Presenter: Susan Handy

Session 785: Accelerated Pavement Testing Advancements  
8:00 AM-9:45 AM  
*Testing to Compare Performance of Full Depth Reclamation with Foamed Asphalt Under Three Different Environmental Conditions*  
ITS-Davis Presenter: David Jones

Session 786: Design, Rehabilitation, and Accelerated Pavement Testing of Concrete Pavements  
8:00 AM-9:45 AM  
*Structural Behavior of Permeable Interlocking Concrete Pavement Under Heavy Traffic Loading: Results from Accelerated Pavement Testing*  
ITS-Davis Presenter: David Jones, Rongzong Wu, John Harvey
January 12, 2017

Workshop 894: Low-Impact Development for Road Stormwater Runoff Management to Reduce the Risk of Flooding and Water Pollution
8:00 AM-12:00 PM

- *Full-Scale Structural Testing and Development of ME Design Method for Permeable Interlocking Concrete Pavement*
- ITS-Davis Presenter: John Harvey

Workshop 896: Strategic Planning for Decarbonization Pathways for U.S. Transportation
8:00 AM-12:00 PM

- *Land Use and Demand Considerations*
- ITS-Davis Presenter: Giovanni Circella