

Georgia Institute of Technology
2013 TRB Presentations

Event Number	Event	Time/Date	Location	Title	GT Participants
129	Freight in Mega-Regions	Jan 13 8:00AM-12:00PM	Hilton - Columbia Hall 5	N/A	Dr. Catherine Ross
121	Dwight David Eisenhower Transportation Fellowship Program: Innovative Doctoral Research	Jan 13 9:00AM-12:00PM	Shoreham - Empire	Quantifying the Benefits of Managing Ancillary Transportation Assets Controlling for Price Endogeneity in Airline Passenger Itinerary Choice Models	Margaret-Avis Akofio-Sowah Stacey Mumbower
135	Sensing Technologies for Transportation Applications	Jan 13 9:00AM-12:00PM	Hilton - Columbia Hall 12	Update on Remote Sensing and GIS-Enabled Roadway Asset Management	Dr. Yichang (James) Tsai
173	Aligning Organizations with the Needs of Their 21st Century Missions	Jan 13 1:30PM-4:30PM	Hilton - Georgetown East	Transportation Planning for Sustainability	Elise Barella
175	Assessing the Future of Freight: Energy and Environmental Modeling in the Freight Sector	Jan 13 1:30PM-4:30PM	Hilton - Monroe	Freight Flow Modeling and Carbon Footprints in Metropolitan Areas and Supply Chains	Dr. Frank Southworth
241	Innovative Approaches to Measuring Pavement Condition	Jan 14 8:30AM-10:15AM	Marriott - Salon 2	A Mobile Cross Slope Measurement Method Using LiDAR Technology	Dr. Yichang (James) Tsai Chengbo Ai Zhaohua Wang Eric Pitts
283	Transportation Data Interoperability: Recent Research	Jan 14 10:15AM-12:00PM	Hilton - Columbia Hall 8	Open Transit Data: State of the Practice and Experience from Participating Agencies in the United States	James Wong Landon Reed Dr. Kari Watkins Regan Hammond
294	Congestion Pricing, Parking Pricing, and Managed Lanes Showcase	Jan 14 10:45AM-12:30PM	Hilton - International Center	Evaluation of Changes in Person and Vehicle Throughput for I-85 Corridor HOV-to-HOT Lane Conversion Spatial and Demographic Changes of Atlanta I-85 Commutershed for the HOV-to-HOT Lane Conversion	Dr. Randall Guensler Sara Khomeini Dr. Randall Guensler
295	Public-Private Partnership Showcase	Jan 14 10:45AM-12:30PM	Hilton - International Center	Knowledge Management and Public-Private Partnerships: How State Transportation Agencies Manage Knowledge for Designing and Implementing PPPs	Eric Boyer
296	Revenue and Finance Showcase	Jan 14 10:45AM-12:30PM	Hilton - International Center	Long-Term Motor Fuel Tax Projections in Georgia	Phillip Cherry Dr. Michael Meyer Binh Bui
299	Urban Transportation Data: New Forms, New Platforms, and New Ways of Thinking About Data	Jan 14 10:45AM-12:30PM	Hilton - International Center	Leveraging the General Transit Feed Specification (GTFS) for Efficient Transit Analysis	James Wong
324	Advances in Discrete Choice Modeling	Jan 14 1:30PM-3:15PM	Hilton - Columbia Hall 8	N/A	Jeffrey Newman
325	Data Privacy Issues in a World Where Technology is Way Ahead of Policy	Jan 14 1:30PM-3:15PM	Hilton - Georgetown East	Longitudinal GPS Travel Data and Breach of Privacy via Enhanced Spatial and Demographic Analysis	Vetri Elango Sara Khomeini Yanzhi Xu Dr. Randall Guensler
353	New Approaches to Vehicle Detection and Classification	Jan 14 2:00PM-3:45PM	Hilton - International Center	Tablet-Based Traffic Counting Application Designed to Minimize Human Error	Christopher Toth Wonho Suh Vetri Elango Ramik Sadana Angshuman Guin Dr. Michael Hunter Dr. Randall Guensler
Meeting	Agricultural Transportation Committee	Jan 14 3:45PM-5:30PM	Shoreham - Calvert	Spatial Spillover Effect of Transportation Infrastructure on Agricultural Output Across the United States: An Empirical Investigation	Tingting Tong
362	Alignment of Highway Asset Level-of-Service Activities and Targets with Agency Strategic Performance Measures and Goals	Jan 14 3:45PM-5:30PM	Marriott - Maryland C	Risk-Based Corridor Asset Management: Applying Multiattribute Utility Theory to Manage Multiple Assets	Richard Boadi Dr. Adjo Amekudzi
391	More Advances in Discrete Choice Modeling	Jan 14 3:45PM-5:30PM	Hilton - Lincoln West	Estimating Nested Logit Models with Censored Data	Jeffrey Newman Dr. Laurie Garrow

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413	Innovations in Statewide Multimodal Planning	Jan 14 4:15PM-6:00PM	Hilton - International Center	Statewide Multimodal Planning: Current Practice at State Departments of Transportation	Anthon Sonnenburg Dr. Frank Southworth Dr. Michael Meyer
416	Multidisciplinary Perspectives on Metropolitan Transportation Planning: Annual Planning Forum	Jan 14 4:15PM-6:00PM	Hilton - International Center	Transportation Problems and Metropolitan Planning in China: Insights from Latest Metropolitan Planning Abroad	Jiawen Yang
421	Tickets Please! Transit Fare Policy, Collection, and Insights from Analysis of Fare Transaction Data	Jan 14 4:15PM-6:00PM	Hilton - International Center	Forecasting Mobile Ticketing Utilization for Commuter Rail	Candace Brakewood
475	Automated Pavement Condition Evaluation: Cracking	Jan 15 8:00AM-9:45AM	Shoreham - Ambassador	Enhanced Crack Segmentation Algorithm Using Three-Dimensional Pavement Data	Chenglong Jiang Dr. Yichang (James) Tsai
492	Urban Transport Challenges: Beijing, Shanghai, and Singapore	Jan 15 8:00AM-9:45AM	Hilton - Columbia Hall 5	Urban Rail Investment and Transit-Oriented Development in China: Examining Land Price Gradients Around Urban Rail Stations in Beijing	Jiawen Yang Jige Quan
493	Dwight David Eisenhower Transportation Fellowship Program Research Showcase	Jan 15 8:00AM-12:00PM	Hilton - International West	Innovations in Multimodal Transit Mapping Regional Sales Tax: Innovative Approach to State Transportation Finance	Margaret Carragher Amanda Wall
497	Traffic Flow Theory and Characteristics, Part 1	Jan 15 8:30AM-10:15AM	Marriott - Salon 2	Some Traffic Features During On-ramp Queue Flush	Bhargava Chilukuri Dr. Jorge Laval
509	Assessing Potential Impacts of Climate Change on Transportation Infrastructure	Jan 15 10:15AM-12:00PM	Marriott - Delaware B	Risk-Based Adaptation Frameworks for Climate Change Planning in the Transportation Sector: Synthesis of Practice	Thomas Wall Dr. Michael Meyer
585	Emissions and Air Quality Analysis, Management, and Regulation of Transit Facilities	Jan 15 1:30PM-3:15PM	Hilton - Jefferson West	Idle Monitoring, Real-Time Intervention, and Emission Reductions from School Buses in Cobb County, Georgia	Yanzhi Xu Vetri Elango Dr. Randall Guensler Sara Kheini
588	Real-World Effects of Policy on Driver Choices: Implications for Energy Use and Emissions	Jan 15 1:30PM-3:15PM	Hilton - Columbia Hall 6	Speeding Behavior and Gasoline Prices Using Hourly Washington State Data	Dr. Kari Watkins
589	Sixth Annual Competition and Call for Communicating Concepts with John and Jane Q. Public: Transportation Finance and Related Policy Solutions	Jan 15 1:30PM-3:15PM	Hilton - Columbia Hall 5	Terminus: Transportation Planning in Game Form	Amy Ingles Denise Smith
606	TRB's IDEA Programs: Sponsoring Innovation in Transportation	Jan 15 2:00PM-3:45PM	Marriott - Salon 2	Development of an Asphalt Pavement Raveling Detection Algorithm Using Emerging 3-D Laser Technology and Macrotecture Analysis, NCHRP IDEA 163	Dr. Yichang (James) Tsai
632	Applied Research Opportunities in Airport and Aviation Safety	Jan 15 3:45PM-5:30PM	Shoreham - Congressional	Accounting for the Human Contribution to Aviation Safety	Amy Pritchett
624	Recent Innovations in Bridge Construction	Jan 15 3:45PM-5:30PM	Marriott - Thurgood Marshall South	Construction Engineering Recommendations for Curved and Skewed Steel Girder Bridges: Report for NCHRP Project 12-79 Task 9	Donald White
663	Dwight David Eisenhower Transportation Fellowship Program, Part 2	Jan 15 4:15PM-6:00PM	Hilton - International Center	Livability and Quality of Life-Oriented Performance Measures for Transportation Decision Making	Jamie Fischer
Meeting	Aviation Economics and Forecasting Committee	Jan 15 5:45PM-7:15PM	Shoreham - Capitol	Depeaking Schedules: Beneficial for Airports and Airlines?	Donald Katz
685	Implementing Sustainability In Transportation Agencies	Jan 15 7:30PM-9:30PM	Hilton - International West	Application and Findings: SWOT-Based Frameworks for Evaluating Transportation Agencies'	Elise Barella Dr. Adjo Amekudzi Dr. Michael Meyer
687	Making Asset Management Work: Innovative Ideas and Best Papers from Interuniversity Symposium on Infrastructure Management	Jan 15 7:30PM-9:30PM	Hilton - Georgetown West	Quantifying the Benefits of Managing Ancillary Transportation Assets Using Performance Measures Related to Quality of Life in Transportation Decision Making	Margaret-Avis Akofio-Sowah Dr. Adjo Amekudzi Jamie Fischer
724	Safety: Performance, Data, and New Advances, Part 1	Jan 16 8:30AM-10:15AM	Marriott - Salon 2	Evaluation of Postencroachment Time as a Surrogate for Opposing Left-Turn Crashes	Lakshmi Peesapati Dr. Michael Hunter Dr. Michael Rodgers

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726	Traffic Flow Theory and Characteristics, Part 2	Jan 16 8:30AM-10:15AM	Marriott - Salon 2	Traffic Hysteresis and Evolution of Stop-and-Go Oscillations	Dr. Jorge Laval
				Hamilton-Jacobi Partial Differential Equation and Three Representations of Traffic Flow	Dr. Jorge Laval
761	Measuring Transit Quality of Service	Jan 16 10:15AM-12:00PM	Hilton - Columbia Hall 8	Benefits of Real-Time Transit Information and Impacts of Data Accuracy on Rider Experience	Aaron Gooze Dr. Kari Watkins
767	Understanding Our Ridership: A Detailed Look at Travel Characteristics	Jan 16 10:15AM-12:00PM	Hilton - International East	Comparing Fixed-Route and Demand-Responsive Feeder Transit Systems in Real-World Settings	Derek Edwards Dr. Kari Watkins
769	Calibration of Traffic Simulation Models	Jan 16 2:30PM-4:00PM	Marriott - Thurgood Marshall East	Statistical Calibration for Data-Driven Microscopic Simulation Model	Dwayne Henclewood Wonho Suh Dr. Michael Rodgers Dr. Michael Hunter
796	Optimizing Traffic Data Programs for Informed Decision Making	Jan 16 2:30PM-4:00PM	Hilton - Columbia Hall 5	Evaluation of Reduced Traffic Data Collection Plans using Reduction-Effectiveness Ratios	Chieh Wang Dr. Yichang (James) Tsai
775	Understanding Characteristics of Managed-Lane Users	Jan 16 2:30PM-4:00PM	Marriott - Thurgood Marshall West	Analysis of Fleet Composition and Vehicle Value for I-85 HOT Lane	Sara Kheini Dr. Randall Guensler
822	Public Transportation Fare Policy, Fare Collection Mechanisms, and Operational Impacts of Fare Payment Types	Jan 16 4:30PM-6:00PM	Hilton - Jefferson East	Unbanked Transit Riders and Open Payment Fare Collection	Candace Brakewood