

**Georgia Institute of Technology**  
2012 TRB Presentations

Event Number	Event	Time/Date	Location	Link	Title	GT Participants
Committee Mtg	Maintenance and Operations Management Committee	Jan 23 2012 1:30PM- 5:30PM	Marriott	<a href="#">Link</a>	Managing Ancillary Transportation Assets: State of Practice (12-1440)	Akofio-Sowah, Margaret Boadi, Richard Sarpon Amekudzi, Adjo A Meyer, Michael D
Committee Mtg	Aviation System Planning Committee	Jan 24 2012 1:30PM- 3:15PM	Shoreham	<a href="#">Link</a>	Using Lifestyle Segmentation Variables to Predict Home-Based Trips for Hartsfield-Jackson Atlanta International Airport (12-0111)	Kressner, Josephine D
114	Innovative Doctoral Research from Dwight David Eisenhower Transportation Fellowship Program	Jan 22 2012 9:00AM- 12:00PM	Shoreham	<a href="#">Link</a>	Initial Findings for Risk-Based Evaluation Tool to Prioritize Transportation Infrastructure for Climate Change Adaptation Investment (P12-5855)	Wall, Tom
				<a href="#">Link</a>	Development of Alternative Methods for Delineating Diverges in Freeway Work Zones (P12-5857)	Greenwood, Aaron
125	From Roadside to Cubicle: Integrating Innovation into Corporate Culture	Jan 22 2012 9:00AM- 12:00PM	Hilton	<a href="#">Link</a>	State Smart Transportation Initiative Review of PennDOT's Smart Transportation (12-1760)	Meyer, Michael D
149	Doctoral Student Research in Transportation Modeling	Jan 22 2012 1:00PM- 5:00PM	Hilton	<a href="#">Link</a>	Studies of Traffic Oscillations-a Behavioral Perspective (P12-6899)	Chen, Danjue
152	Design Detailing, Fabrication, Analysis, and Behavior of Skewed Bridges	Jan 22 2012 1:30PM- 4:30PM	Marriott	<a href="#">Link</a>	Important Skewed Bridge Analysis Considerations (P12-5151)	White, Donald W
				<a href="#">Link</a>	Panel Discussion (P12-5155)	White, Donald W
161	Use of Simulation to Assess Safety Performance	Jan 22 2012 1:30PM- 4:30PM	Marriott	<a href="#">Link</a>	A Profiling Based Approach to Safety Surrogate Data Collection (P12-6820)	Peesapati, Lakshmi Hunter, Michael P
164	Automated Survey of Pavement Distress	Jan 22 2012 1:30PM- 4:30PM	Shoreham	<a href="#">Link</a>	Critical Assessment of Crack Detection and Classification Using Three-Dimensional Laser Technology (P12-5463)	Tsai, Yichang (James)
184	Sensing Technologies for Transportation Applications	Jan 22 2012 1:30PM- 4:30PM	Hilton	<a href="#">Link</a>	Remote Sensing and GIS-Enabled Roadway Asset Management (P12-6171)	Tsai, Yichang (James)
214	Assessing In-service Pavement Functional and Structural Condition	Jan 23 2012 8:00AM- 9:45AM	Shoreham	<a href="#">Link</a>	Innovative Method for Cracking-Severity-Level Classification Using Three-Dimensional Continuous Transverse Laser Profiles (12-4239)	Tsai, Yichang (James) Jiang, Chenglong Wang, Zhaohua
242	Project Delivery: Selected Research Topics	Jan 23 2012 8:30AM- 10:15AM	Marriott	<a href="#">Link</a>	Impact of Quantity on Bid Cost of Unit Price Items in Design-Bid-Build Public Road Projects (12-0618)	Pradhananga, Nipesh
279	Environmental Justice, Transit, and Mobility	Jan 23 2012 10:15AM- 12:00PM	Hilton	<a href="#">Link</a>	Impacts of Environmental Justice on Transportation: Performance-Based Model for Benchmarking Progress (12-3331)	Amekudzi, Adjo A Brodie, Stefanie R Fischer, Jamie Montagu Ross, Catherine
293	Structural and Drainage Aspects of Sustainable Aggregate Systems	Jan 23 2012 10:45AM- 12:30PM	Marriott	<a href="#">Link</a>	Inverted Base Pavement in LaGrange, Georgia: Characterization and Preliminary Numerical Analyses (12-2537)	Santamarina, Carlos
297	Congestion Pricing, Parking Pricing, and Managed Lanes	Jan 23 2012 10:45AM- 12:30PM	Hilton	<a href="#">Link</a>	Atlanta HOV-to-HOT Corridor Performance (P12-5606)	Guensler, Randall Hunter, Michael P Laval, Jorge Andre Guin, Angshuman Elango, Vetri Venthan
				<a href="#">Link</a>	Changes in Legal and Illegal Weaving Activity After Restriping of I-85 High-Occupancy-Vehicle Lanes in Atlanta, Georgia (12-4545)	Toth, Christopher Stephe Guensler, Randall Guin, Angshuman Hunter, Michael P Laval, Jorge Andre
				<a href="#">Link</a>	Methodology for Collecting Vehicle Occupancy Data on Multilane Interstate Highways (12-2503)	D'Ambrosio, Katherine Teres
354	Strategic Management	Jan 23 2012 2:00PM- 3:45PM	Hilton	<a href="#">Link</a>	Why and How to Use Customer Opinions: Quality-of-Life and Customer-Satisfaction-Oriented Framework for Performance-Based Decision Making (12-3643)	Fischer, Jamie Montagu Amekudzi, Adjo A
385	Discrete Choice Modeling Advances	Jan 23 2012 3:45PM- 5:30PM	Hilton	<a href="#">Link</a>	Estimating Discrete Choice Models with Incomplete Data (12-2350)	Newman, Jeffrey Ferguson, Mark Garrow, Laurie A

**Georgia Institute of Technology**  
2012 TRB Presentations

Event Number	Event	Time/Date	Location	Link	Title	GT Participants
416	Mega-Regional Perspectives on Transportation: Planning Forum	Jan 23 2012 4:15PM- 6:00PM	Hilton	<a href="#">Link</a>	The Identification and Assessment of Potential High-Speed Rail (HSR) Routes from a Megaregion Perspective (12-3799)	Ross, Catherine Woo, Myungje
426	Innovations in Bridge Construction	Jan 23 2012 7:30PM- 9:30PM	Marriott	<a href="#">Link</a>	Stability of Curved Steel I-girder Bridges During Construction (12-3452)	White, Donald W
433	Research in Traffic Flow Theory and Characteristics, Part 2 (Part 1, Session 403; Part 3, Session 434; Part 4, Session 493)	Jan 23 2012 7:30PM- 9:30PM	Marriott	<a href="#">Link</a>	Vehicle Longitudinal Control and Traffic Stream Modeling (12-0156)	Leonard, John D
434	Research in Traffic Flow Theory and Characteristics, Part 3 (Part 1, Session 403; Part 2, Session 433; Part 4, Session 493)	Jan 23 2012 7:30PM- 9:30PM	Marriott	<a href="#">Link</a>	Traffic Hysteresis in Traffic Oscillations: Driver Behavioral Perspective (12-4134)	Chen, Danjue Laval, Jorge Andre
				<a href="#">Link</a>	Temporal Stability of Freeway Macroscopic Traffic Stream Models (12-4675)	Liu, Chenhao
453	Traffic Assignment and Network Equilibrium Models	Jan 23 2012 7:30PM- 9:30PM	Hilton	<a href="#">Link</a>	Effects of Queue Spillback in User Optimum Dynamic Traffic Assignment Problem: Analytical and Graphical Solutions on Simple Networks (12-4383)	Chen, Danjue Laval, Jorge Andre
493	Research in Traffic Flow Theory and Characteristics, Part 4 (Part 1, Session 403; Part 2, Session 433; Part 4, Session 493)	Jan 24 2012 8:30AM- 10:15AM	Marriott	<a href="#">Link</a>	Stochastic Extension of Newell's Three-Detector Method (12-2563)	Laval, Jorge Andre
494	Traffic Sign Detection and Pavement Marking Management and Durability	Jan 24 2012 8:30AM- 10:15AM	Marriott	<a href="#">Link</a>	Critical Assessment of Automatic Traffic Sign Detection Using Three-Dimensional LiDAR Point Cloud Data (12-3214)	Ai, Chengbo Tsai, Yichang (James)
499	Current Environmental Issues in Transportation	Jan 24 2012 8:30AM- 10:15AM	Hilton	<a href="#">Link</a>	Emissions and Idling of Cobb County School District Buses (12-4287)	Rome, Chris Elango, Vetri Venthan Khoeini, Sara Guensler, Randall
				<a href="#">Link</a>	Multiple Discrete-Continuous Choice Model of Household Energy Reduction Across Multiple Sectors Using Priority Evaluator Data (12-1150)	Schmitt, Laura
500	Transportation Asset Management: Emerging Practices and Issues	Jan 24 2012 8:30AM- 10:15AM	Hilton	<a href="#">Link</a>	Risk Concepts and Applications in Transportation Asset Management: Overview of Current Practice (12-3768)	O'Har, John Patric Amekudzi, Adjo A Meyer, Michael D
518	Modeling Theories and Practices in Freight Planning and Logistics, Part 2 (Part 1, Session 474)	Jan 24 2012 10:15AM- 12:00PM	Shoreham	<a href="#">Link</a>	Atlanta: A Mega Logistics Center in the Piedmont Atlantic Megaregion (PAM) (12-3065)	Ross, Catherine
532	Social Media and Public Transportation	Jan 24 2012 10:15AM- 12:00PM	Hilton	<a href="#">Link</a>	Next Steps in Transit Rider Information: Development of Webapp for Personalized Transit Service Alerts (12-1647)	Watkins, Kari Ediso
535	Optimizing Signal Timing	Jan 24 2012 10:45AM- 12:30PM	Marriott	<a href="#">Link</a>	Parameter Selection Procedure for Signalized Arterial Simulation Calibration (12-2924)	Henclewood, Dwayne Anthon Hunter, Michael P Rodgers, Michael Owe
538	Pavement Surface Characteristics: Comfort, Safety, and the Environment	Jan 24 2012 10:45AM- 12:30PM	Shoreham	<a href="#">Link</a>	Integrating Safety into Resurfacing Project Reprioritization for Minimizing Pavement-Deficiency-Induced Safety Risks (12-1895)	Tsai, Yichang (James) Wu, Yiching Wang, Chieh (Ross) Pitts, Eric , Ge Cressman, Norm , Ge
				<a href="#">Link</a>	Characterizing Micromilled Pavement Textures Using Range-to-Valley-Depth for Superthin Resurfacing on I-95 with Road Profiler (12-1897)	Tsai, Yichang (James) Wu, Yiching Lai, James S Geary, Georgene M., Ge
582	TRB's IDEA Programs: Sponsoring Innovation in Transportation	Jan 24 2012 2:00PM- 3:45PM	Marriott	<a href="#">Link</a>	Developing Sensing Methodology for Intelligent and Reliable Work Zone Hazard Awareness, NCHRP IDEA Project 139 (P12-5232)	Tsai, Yichang (James)
591	Bus Transit Research	Jan 24 2012 2:00PM- 3:45PM	Hilton	<a href="#">Link</a>	Where Is My Bus? Impact of Mobile Real-Time Information on Perceived and Actual Wait Time of Transit Riders (12-0225)	Watkins, Kari Ediso

**Georgia Institute of Technology**  
2012 TRB Presentations

Event Number	Event	Time/Date	Location	Link	Title	GT Participants
594	Harnessing New Data Sources: Bluetooth Readers and Probes	Jan 24 2012 2:00PM- 3:45PM	Hilton	<a href="#">Link</a>	Assessment of Multiantenna Array Performance for Detecting Bluetooth-Enabled Devices in Traffic Stream (12-3760)	Box, Stephanie Suh, Wonho Guensler, Randall Guin, Angshuman Hunter, Michael P Rodgers, Michael Owe
600	Taking Urban Data to New Heights: New Sources, New Techniques, and New Applications	Jan 24 2012 2:00PM- 3:45PM	Hilton	<a href="#">Link</a>	Sensitivity of Commuters' Demographic Characteristics to License Plate Data Collection Specifications: Case Study for HOV-2 HOT Project in I-85 Corridor, Atlanta, Georgia (12-3931)	Khoeini, Sara Elango, Vetri Venthan Guensler, Randall Rodgers, Michael Owe
631	Pricing of Risk in Public-Private Partnerships	Jan 24 2012 3:45PM- 5:30PM	Hilton	<a href="#">Link</a>	Optimal Timing of Investment in Highway Expansion (12-3407)	Lu, Jian Ashuri, Baabak Kashani, Hamed
640	Pavement Condition Monitoring: Tools and Approaches	Jan 24 2012 4:15PM- 6:00PM	Shoreham	<a href="#">Link</a>	Automated Detection of Isolated Ruts on I-95 Using 3D Continuous Transverse Profiles (12-4277)	Tsai, Yichang (James) Li, Feng Wang, Zhaohua
669	Methodological Advancements in Activity and Travel Modeling	Jan 24 2012 7:30PM- 9:30PM	Hilton	<a href="#">Link</a>	Household-Level Activity Pattern Generation Model: Simulator of Activities, Greenhouse Emissions, Networks, and Travel in Southern California (12-4226)	Schmitt, Laura
680	Pavement Maintenance Initiatives	Jan 25 2012 8:00AM- 9:45AM	Marriott	<a href="#">Link</a>	Georgia's Pavement Preservation with Micromilling Follow-up Study (12-0659)	Lai, James S Hines, Sheila , Ge Wu, Yiping , Ge Jared, David Mark, Ge Castrillon, Felipe
696	Innovations in Vehicle Detection and Classification	Jan 25 2012 8:00AM- 9:45AM	Hilton	<a href="#">Link</a>	IMPUTATION OF INTELLIGENT TRANSPORTATION SYSTEM VDS DATA USING VARIOUS MODELING APPROACHES (12-4590)	Guin, Angshuman Guensler, Randall Laval, Jorge Andre
705	Driver Speed and Longitudinal Control	Jan 25 2012 8:30AM- 10:15AM	Marriott	<a href="#">Link</a>	Driver Dynamics and the Longitudinal Control Model (12-0235)	Leonard, John D
714	Transportation Demand Forecasting: Latest Research and Applications	Jan 25 2012 8:30AM- 10:15AM	Hilton	<a href="#">Link</a>	Evaluation of the Potential Commute Energy Consumption of Commercial Office Site Alternatives (12-0950)	Weigel, Brent Anthon
719	Critical Issues Affecting Maintenance Equipment in Departments of Transportation	Jan 25 2012 10:15AM- 12:00PM	Marriott	<a href="#">Link</a>	Evaluation of Construction Equipment Design on Operator Visibility (12-4071)	Marks, Eric Danie Cheng, Tao Teizer, Jochen
771	Understanding Transit Network Design, Management, and Operations	Jan 25 2012 2:30PM- 4:00PM	Hilton	<a href="#">Link</a>	Spatial and Temporal Capitalization Effects of Light Rail in Phoenix: From Conception, Planning, and Construction to Operation (12-2116)	Guhathakurta, Subhrajit
774	Advances in Transportation Network Modeling	Jan 25 2012 2:45PM- 4:30PM	Hilton	<a href="#">Link</a>	Effects of Queue Spillback in User Optimum Dynamic Traffic Assignment Problem: Analytical and Graphical Solutions on Simple Networks (12-4383) (P12-6609)	Chen, Danjue Laval, Jorge Andre
785	Research on Impact of NextGen Integration on Improving Efficiency and Safety of Operations at Airports and Airspace	Jan 25 2012 4:30PM- 6:00PM	Shoreham	<a href="#">Link</a>	New Operational Procedures and Benefit Assessment for Achieving Fuel Savings in En Route and Descent Phases of Flight (P12-6692)	Clarke, John-Paul
807	Traffic Oscillations and Simulation	Jan 26 2012 10:15AM- 12:00PM	Marriott	<a href="#">Link</a>	Traffic Oscillations: Behavioral Car-Following Model (12-4142)	Chen, Danjue Laval, Jorge Andre