



THE 95th ANNUAL MEETING OF THE TRANSPORTATION RESEARCH BOARD: JANUARY 2016 LONGHORN PRESENTATION SCHEDULE

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Workshops

Sunday, January 10, 2016

Workshop No.	Committee Sponsor	Participants	Time	Location	Title
107	ABE70 ABE60 AND10 ANF20 AP060	Jennifer Duthie	9:00AM- 12:00PM	Convention Center, 154	<i>The "Gender Lens": Beyond the Women's Issues Committee</i>
194	ADB00 ADB10 ADB20 ADB30 ADB40 AHB45	Tarun Rambha	1:30PM- 5:30PM	Convention Center, 145A	<i>Dynamic Pricing Models for Traffic Networks</i>

Committee Meetings

Monday, January 11, 2016

Committee Sponsor	Participants	Time	Location	Title
A0010	Jorge Prozzi presiding	10:15AM- 12:00PM	Marriott Marquis, Liberty K (M4)	<i>International Research Needs Subcommittee, A0010(2)</i>
AFK50	Amit Bhasin presiding	7:30PM- 10:00PM	Marriott Marquis, Marquis Ballroom Salon 3 (M2)	<i>Advanced Models to Understand Behavior and Performance of Asphalt Mixtures Subcommittee, AFK50(1)</i>
ABG20	Randy Machemehl,	1:30PM- 5:30PM	Marriott Marquis, Liberty J	<i>An Evaluation of a Development</i>

Nabeel Khwaja,
Moggan Motamed,
Clair Lavaye

(M4)

*Program for Transportation
Engineers*

Wednesday, January 13, 2016

<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
ADB00	Chandra Bhat presiding	12:15PM - 2:15PM	Marriott Marquis, Capitol Hill (M3)	<i>Travel Analysis Methods Section Executive Board</i>

Poster Sessions

Monday, January 11, 2016

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
243	ABG10 ABG00	Jorge Prozzi	8:30AM- 10:15AM	Convention Center, Hall E	<i>Oversize/Overweight Vehicle Fees Study</i>	H159
244	AFH10 AFH00	Amit Kumar Singh, Khali Persad, Jiangling Wu, Mike Murphy, Hui Wi	8:30AM- 10:15AM	Convention Center, Hall E	<i>Preliminary Analysis of Engineer's Estimate and Winning Bid Price Using Quantile Regression</i>	H148
244	AFH10 AFH00	Bharathwaj Sankaran, William O'Brien, Nabeel Khwaja	8:30AM- 10:15AM	Convention Center, Hall E	<i>Civil Integrated Management for Highway Infrastructure: Case Studies and Lessons Learned</i>	H149
251	AT015	Randy Machemehl,	8:30 AM- 10:15 AM	Convention Center, Hall E	<i>Analyzing Tour-Chaining Patterns of Urban Commercial Vehicles</i>	E087
298	ABC30	Kristie Chin, Rachel James	10:45AM- 12:30PM	Convention Center, Hall E	<i>Neighborhood Need Index: Using Analytical Hierarchy Process to Evaluate Neighborhood Performance</i>	C046
299	ABC40	Juan-Porras Alvarado, Zhe Han, Md. Al Amin, Zhanmin Zhang	10:45AM- 12:30PM	Convention Center, Hall E	<i>Fairness and Efficiency Considerations in Performance-based Cross-Asset Resource Allocation</i>	B033



Session No.	Committee Sponsor	Participants	Time	Location	Title	Board No.
305	ABJ60 ABJ50	Zhe Han, Zhanmin Zhang	10:45AM- 12:30PM	Convention Center, Hall E	<i>A Spatial Approach to Resource Allocation for Post-Earthquake Restoration of Urban Roadway Networks</i>	B032
309	ADD50 ABJ30 ADB10 ADD40 ADD55T	Hui Wu	10:45AM- 12:30PM	Convention Center, Hall E	<i>Health Impacts of Active Transportation in Rural Communities: Case Study in Ennis, Three Forks, and Townsend, Montana</i>	F103
313	AFD60	Pedro Serigos, Jorge Prozzi	10:45AM- 12:30PM	Convention Center, Hall E	<i>Applicability of an Inverse Reliability Method on the Design of Flexible Pavements</i>	K187
315	AFN20	David Fowler	10:45AM- 12:30PM	Convention Center, Hall E	<i>Experimental Investigation to Improve Thermomechanical Response of Concrete Samples Subjected to Coefficient of Thermal Expansion Testing</i>	M230
325	AHD20, AHD18	Zhanmin Zhang	10:45AM- 12:30PM	Convention Center, Hall E	<i>Estimating Spatial Dependence Associated with Deterioration Process of Road Network</i>	J165
435	ABG00	John Helsel	4:15PM- 6:00PM	Convention Center, Hall E	<i>Intersection of Facility Maintenance Schedules and Justice: Toward a New Objective Function</i>	M231
448	ANB20	Patricia Lavieri, Chandra Bhat	4:15PM- 6:00PM	Convention Center, Hall E	<i>Introducing Latent Psychological Constructs in Injury Severity Modeling: Multivehicle and Multioccupant Approach</i>	O272
448	ANB20	Alice Chu, Chandra Bhat	4:15PM- 6:00PM	Convention Center, Hall E	<i>Comprehensive Mixed Logit Analysis of Crash Type Conditional on a Crash Event</i>	O273

Tuesday, January 12, 2016

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
252	AT025	Nan Jiang, C. Michael Walton	2:00 PM- 3:45 PM	Convention Center, Hall E	<i>An Assessment of Cargo Cycles in Varying Urban Contexts</i>	H149
529	ADC80	Kara Kockelman	8:30AM- 10:15AM	Convention Center, Hall E	<i>Emissions and Exposure Costs of Electric Versus Conventional Vehicles: A Case Study for Texas</i>	F120
536	AHB45	Jia Li	8:30AM- 10:15AM	Convention Center, Hall E	<i>Stochastic Characterization of Highway Capacity and Its Implications on Corridor-Level Ramp-Metering Control</i>	M239
581	ADA10	Kara Kockelman, Josiah Hanna	10:45 AM- 12:30 PM	Convention Center, Hall E	<i>Sharing Autonomous Electric Vehicles</i>	B026
582	ADA10	Taehoon Lim, Oscar Daniel Galvis Arce, Zhanmin Zhang	10:45 AM- 12:30 PM	Convention Center, Hall E	<i>Methodological Framework for Identification of Alternative Uses for Excess Right-of-Way Parcels</i>	B022
641	AFB30	Moggan Motamed, Ahmad Alrashidan, Randy Machemehl	2:00PM- 3:45PM	Convention Center, Hall E	<i>Pavement Maintenance Early Warning System for Effects of Hydraulic Fracturing</i>	J170
642	AFK20	Amit Bhasin, Nazmus Sakib	2:00PM- 3:45PM	Convention Center, Hall E	<i>Investigation into Continuous High-Temperature Grade and Elastic Recovery of Asphalt Binders Measured Using Creep-Recovery Test</i>	L201
646	AFK40	Natalia Zuniga Garcia, Andre Smit, Manuel Trevino, Prasad Buddhavarapu, Jorge Prozzi	2:00PM- 3:45PM	Convention Center, Hall E	<i>Laboratory Design of Quieter Asphalt Surfaces</i>	N245
647	AFK50	Amit Bhasin	2:00PM- 3:45PM	Convention Center, Hall E	<i>Fatigue Performance Prediction of Asphalt Composites Subjected to Cyclic Loading with Intermittent Rest Periods</i>	N254
655	ANB10	Kara Kockelman, Tianxin Li	2:00PM- 3:45PM	Convention Center, Hall E	<i>Valuing the Safety Benefits of Connected and Automated Vehicle Technologies</i>	Q306

Session No.	Committee Sponsor	Participants	Time	Location	Title	Board No.
710	ABR10	Kenneth Perrine, Michael Levin, Stephen Boyles	2:00PM- 3:45PM	Convention Center, Hall E	<i>Implications of Traffic Signal Security on Potential Deliberate Traffic Disruptions</i>	A005
711	ADB50	Chandra Bhat	4:15PM- 6:00PM	Convention Center, Hall E	<i>Development of a Vehicle Fleet Composition Model System: Results from an Operational Prototype</i>	B039
718	AFK20	Adam Ramm, Nazmus Sakib, Michael Downer, Amit Bhasin	4:15PM- 6:00PM	Convention Center, Hall E	<i>Optical Characterization of Temperature- and Composition-Dependent Microstructure in Asphalt Binders</i>	H148
718	AFK20	Amit Bhasin	4:15PM- 6:00PM	Convention Center, Hall E	<i>Study of Evolution of Asphalt Binder Microstructure due to Aging and Tensile Loading</i>	H149

Wednesday, January 13, 2016

Session No.	Committee Sponsor	Participants	Time	Location	Title	Board No.
785	ADB40	Chandra Bhat, Subodh Dubey	8:30AM- 10:15AM	Convention Center, Hall E	<i>On Accommodating Spatial Interactions in a Generalized Heterogeneous Data Model of Mixed Types of Dependent Variables</i>	E093
785	ADB40	Natalia Ruiz-Juri, Rachel James, Nan Jiang, Jennifer Duthie, Chandra Bhat	8:30AM- 10:15AM	Convention Center, Hall E	<i>On the Computation of Skims for Large-Scale Implementations of Integrated Activity-Based and Dynamic Traffic Assignment Models</i>	E091
785	ADB40	Sebastian Astroza, Aarti Bhat, Chandra Bhat, Rachel James	8:30AM- 10:15AM	Convention Center, Hall E	<i>Incorporating a Multiple Discrete-Continuous Outcome in the Generalized Heterogeneous Data Model: Application to Residential Self-Selection Effects Analysis in an Activity Time-Use Behavior Model</i>	E094



Session No.	Committee Sponsor	Participants	Time	Location	Title	Board No.
785	ADB40	Ehsan Jafari, Mason Gemar, Natalia Ruiz-Juri	8:30AM- 10:15AM	Convention Center, Hall E	<i>Using Parcel-Level Data to Inform Centroid Connector Placement: Dynamic Traffic Assignment Application</i>	E092
785	ADB40	Chandra Bhat	8:30AM- 10:15AM	Convention Center, Hall E	<i>Comprehensive Dwelling Unit Choice Model Accommodating Psychological Constructs Within a Search Strategy for Consideration Set Formation</i>	E095
785	ADB40	C. Michael Walton	8:30AM- 10:15AM	Convention Center, Hall E	<i>Transportation Planning Through Peer-to-Peer Modeling</i>	D075
786	ADB40	Kara Kockelman	8:30AM- 10:15AM	Convention Center, Hall E	<i>Dynamic Land Use Model with Location Externalities and Zoning Regulations</i>	C044
787	AHB30	Kara Kockelman	8:30AM- 10:15AM	Convention Center, Hall E	<i>Design and Implementation of a Shared Autonomous Vehicle System in Austin, Texas</i>	H145
789	ANB75	Rachel James	8:30AM- 10:15AM	Convention Center, Hall E	<i>Evaluation of Public Perception and Outreach Efforts for Roundabouts in Fairmont, West Virginia</i>	L203
792	AND20	Daniel Smarda, Rachel James	8:30AM- 10:15AM	Convention Center, Hall E	<i>Quality Assessment of Social Media Traffic Reports: Field Study in Austin, Texas</i>	K197
855	ADB30	Tarun Rambha, Stephen Boyles	2:45PM- 4:30PM	Convention Center, Hall E	<i>Multi-Class Dynamic Traffic Assignment: Intersection-Movement-Based Formulation and Paradox (16-2224)</i>	D070
855	ADB30	Michael Levin, Stephen Boyles	2:45PM- 4:30PM	Convention Center, Hall E	<i>The Impact Of Autonomous Vehicles On Traffic Management: The Case Of Dynamic Lane Reversal (16-4922)</i>	F114
855	ADB30	Stephen Boyles	2:45PM- 4:30PM	Convention Center, Hall E	<i>Joint Production-Inventory-Location Problem with Correlated Demand (16-5328)</i>	D069



Session No.	Committee Sponsor	Participants	Time	Location	Title	Board No.
855	ADB30	Ehsan Jafari, Tarun Rambha, Stephen Boyles	2:45PM- 4:30PM	Convention Center, Hall E	<i>The For-Profit Dial-a-Ride Problem on Dynamic Networks (16-4686)</i>	E090
855	ADB30	Ehsan Jafari, Venktesh Pandey, Stephen Boyles	2:45PM- 4:30PM	Convention Center, Hall E	<i>Static Traffic Assignment: A Decentralized Approach</i>	E089

Conference Sessions

Monday, January 11, 2016

Session No.	Committee Sponsor	Participants	Time	Location	Title
198	ABE20	Kara Kockelman, Prateek Bansal, Amit Kumar Singh	8:00AM- 9:45AM	Convention Center, 150B	<i>Assessing Public Opinions of and Interest in New Vehicle Technologies: An Austin Perspective</i>
198	ABE20	Taehoon Lim, Moo Yeon Kim	8:00AM- 9:45AM	Convention Center, 150B	<i>Impact of Advanced Vehicle Technologies on the Automobile Market: Ex Ante Market Simulation and Segmentation</i>
201	ABJ95 ABJ60 ABJ95-1 AFB80 AFH10	William O'Brien	8:00AM- 9:45AM	Convention Center, 152A	<i>NCHRP 10-96 CIM Guidance</i>
205	ADB30	Stephen Boyles	8:00AM- 9:45AM	Convention Center, 146B	<i>Joint Production-Inventory-Location Problem with Correlated Demand</i>
206	ADB40	Chandra Bhat, Sebastian Astroza, Aarti Bhat	8:00AM- 9:45AM	Convention Center, 143B	<i>On Allowing a General Form for Unobserved Heterogeneity in the Multiple Discrete-Continuous Probit Model: Formulation and Application to Tourism Travel</i>

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
206	ADB40	Chandra Bhat, Subodh Dubey	8:00AM- 9:45AM	Convention Center, 143B	<i>Simulation Evaluation of Emerging Estimation Techniques for Mixed Multinomial Probit Models</i>
265	ADB40	Michael Levin, Tianxin Li, Stephen Boyles, Kara Kockelman	10:15AM- 12:00PM	Convention Center, 145A	<i>General Framework for Modeling Shared Autonomous Vehicles</i>
274	AFH20	Prasad Buddhavarapu, Sareh Kouchaki, Jorge Prozzi, Kuan Yu Chen	10:15AM- 12:00PM	Convention Center, 202B	<i>Pay Adjustment Scheme for Pavement Roughness Using Field Performance Data</i>
276	AH010	Amit Kumar Singh, Jia Li, Mike Murphy, C. Michael Walton	10:15AM- 12:00PM	Convention Center, 204C	<i>Optimizing Environmental Sensor Station Locations for Road Weather Management: Overview and a Generalized Modeling Framework</i>
338	AD000 AB000 ABJ00 ADB00	Chandra Bhat presiding	1:30PM- 3:15PM	Convention Center, 145A	<i>Data Science in Transportation</i>
338	AD000 AB000 ABJ00 ADB00	Jennifer Duthie, Natalia Ruiz-Juri, Chandra Bhat	1:30PM- 3:15PM	Convention Center, 145A	<i>Role of Universities in Getting More out of Transportation Data</i>
344	ADD40 ADC70 AP020	Kara Kockelman, Josiah Hanna	1:30PM- 3:15PM	Convention Center, 140B	<i>Operations of a Shared, Autonomous Electric Vehicle Fleet: Implications of Vehicle and Charging Infrastructure Decisions</i>
414	AHB45	Rahul Patel, Michael Levin, Stephen Boyles	3:45PM- 5:30PM	Convention Center, 101	<i>Effects of Autonomous Vehicle Behavior on Arterial and Freeway Networks</i>

Tuesday, January 12, 2016

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
484	ADB10	Sebastian Astroza, Chandra Bhat	8:00AM- 9:45AM	Convention Center, 145A	<i>Introducing Relations between Activities and Goods Consumption in Microeconomic Time Use Models</i>

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
485	ADB30	Tarun Rambha, Stephen Boyles	8:00AM- 9:45AM	Convention Center, 146B	<i>Reinforcement Learning Approaches for Dynamic Congestion Pricing in Day-to-Day Network Models</i>
485	ADB30	Michael Levin, Stephen Boyles	8:00AM- 9:45AM	Convention Center, 146B	<i>The Impact Of Autonomous Vehicles On Traffic Management: The Case Of Dynamic Lane Reversal</i>
546	ADB10	Sebastian Astroza, Chandra Bhat	10:15AM- 12:00PM	Convention Center, 145A	<i>A Multivariate Multiple Discrete Continuous Probit Model of Time Allocation to Commuting Modes and Physical Activity</i>
562	AHD37	Mohammad Neaz Murshed, Randy Machemehl	10:15AM- 12:00PM	Convention Center, 209B	<i>Predicting Priorities for Installing Overheight Vehicle Detection and Warning Systems for Bridges</i>
598	A0040T	Patricia Lavieri	1:30PM- 3:15PM	Convention Center, 103B	<i>Exploratory Analysis of the TCRP Millennial Survey to Improve Activity-Based Travel Models</i>
609	ADC20	Kwangyul Choi, Ming Zhang	1:30PM- 3:15PM	Convention Center, 146A	<i>Nonlinear Effects of the Built Environment on Transportation Emissions: Potentials and Challenges for Transportation Emissions Reduction</i>
621	AHD20 AHD18	Pedro Serigos, Moo Yeon Kim, Prasad Buddhavarapu	1:30PM- 3:15PM	Convention Center, 204C	<i>Assessment of the Effectiveness of Preventive Maintenance Treatments on Flexible Pavement Using Censored Regression</i>
683	ADB30	Ehsan Jafari, Tarun Rambha, Stephen Boyles	3:45PM- 5:30PM	Convention Center, 146B	<i>The For-Profit Dial-a-Ride Problem on Dynamic Networks</i>



Wednesday, January 13, 2016

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
771	AP030	Ming Zhang	8:00AM- 9:45AM	Convention Center, 149	<i>Understanding Public Attitudes Toward Transit at Statewide and Local Geographies</i>
798	ABE50	Vivek Kumar, Chandra Bhat	10:15AM- 12:00PM	Convention Center, 150B	<i>The Impacts of an Incentive-Based Intervention on Peak Period Traffic: Experience from the Netherlands</i>
861	ADB10	Prateek Bansal, Kara Kockelman	4:30PM- 6:00PM	Convention Center, 145A	<i>Forecasting Americans' Long-Term Adoption of Connected and Autonomous Vehicle Technologies</i>
861	ADB10	Kara Kockelman	4:30PM- 6:00PM	Convention Center, 145A	<i>Long-Distance Travel Mode-Shifts Due to Automated Vehicles: A Statewide Mode-Shift Simulation Experiment and Travel Survey Analysis</i>
862	ADC70 ADC80	Kara Kockelman	4:30PM- 6:00PM	Convention Center, 140A	<i>Management of a Shared, Autonomous, Electric Vehicle Fleet: Implications of Pricing Schemes</i>

Receptions

Sunday, January 10, 2016

<i>Host</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
WTS	5:30PM- 7:00PM	Marriott Marquis Hotel – The Liberty Ballroom 901 Massachusetts Avenue NW Washington, DC 20001	<i>WTS Winter Reception</i> <i>(Non-members: \$30 admission)</i>
UT Austin – CAEE Department/CTR	7:00PM- 8:30PM	Marriott Marquis Hotel – Capitol/Congress Hall	<i>Friends and Alumni Reception</i>

Monday, January 11, 2016

<i>Host</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
U.S. Department of Transportation	4:00PM- 5:00PM	Walter E. Convention Center, Washington, DC Room 159B	<i>ITS Career Session</i>
ITE	6:00PM- 8:00PM	ITE Headquarters 1627 Eye Street NW, Suite 600 Washington, DC 20006	<i>ITE Open House Reception for Students</i>

Tuesday, January 12, 2016

<i>Host</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
Cambridge Systematics	12:30PM- 3:30PM	Renaissance Washington, DC Downtown Hotel 999 Ninth Street NW Washington, DC 20001	<i>TRB 2016 Careers Event</i>
ITE/ITS Student Chapter	6:00PM- 8:00PM	City Tap House 901 9 th Street Washington, DC 20001	<i>ITE/ITS Student and Alumni Reception</i>