



TEXAS LONGHORN PRESENTATION SCHEDULE

TRANSPORTATION RESEARCH BOARD
 97th ANNUAL MEETING, JANUARY 2018

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Workshops

Sunday, January 7, 2018

<i>Workshop No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
190	ADB30	Sebastian Astroza	1:30PM-5:00PM	Convention Center, 146B	<i>Flexible Multiple Discrete-Continuous Choice Structures and Mixed Modeling</i>

Committee Meetings

Monday, January 8, 2018

<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
A0010	Jorge Prozzi, presiding	6:00PM-7:30PM	Marriott Marquis, Independence B (M4)	<i>International Research Needs Subcommittee, A0010(2)</i>

Tuesday, January 9, 2018

<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
ADB30	Stephen Boyles, presiding	8:00AM-9:45AM	Marriott Marquis, Independence H (M4)	<i>Transit, Freight, and Logistics Modeling Subcommittee, ADB30(1)</i>
AFK50	Amit Bhasin, presiding	7:30PM-9:30PM	Marriott Marquis, Marquis Ballroom Salon 5 (M2)	<i>Advanced Models to Understand Behavior and Performance of Asphalt Mixtures Subcommittee, AFK50(1)</i>



Wednesday, January 10, 2018

<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) BY INVITATION	<i>Travel Analysis Methods Section Executive Board</i>
AHB15	Kristie Chin	2:30PM-6:00PM	Convention Center, Salon C	<i>Automation and Big Data in Texas Cities</i>
AFD10	Md Al Amin	2:30PM-6:00PM	Marriott Marquis, Georgetown University (M1)	<i>An Extended Goal Programming Framework for Maintenance Budget Allocation Considering Multiple Stakeholders</i>

Lectern Sessions

Monday, January 8, 2018

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
200	ABJ50	Venktesh Pandey Natalia Ruiz-Juri	8:00AM-9:45AM	Convention Center, 151A	<i>Using National Performance Management Research Data Set (NPMRDS) for Corridor Performance Measures: a US 281N Corridor Case Study</i>
204	ADB30	Stephen Boyles Chi Xie Xing Wu	8:00AM-9:45AM	Convention Center, 156	<i>Path-Constrained Traffic Assignment: Continuously Distributed Bounds on Travel Weights</i>
204	ADB30	Cesar Yahia Venktesh Pandey Stephen Boyles	8:00AM-9:45AM	Convention Center, 156	<i>Network Partitioning Algorithms for Solving the Traffic Assignment Problem Using a Decomposition Approach</i>
267	ADB40	Gopindra Sivakumar Nair Sebastian Astroza Chandra Bhat Sara Khoeini Ram Pendyala	10:15AM-12:00PM	Convention Center, 156	<i>An Application of a Rank Ordered Probit Modeling Approach to Understanding Level of Interest In Autonomous Vehicles</i>
267	ADB40	Kenneth Perrine Kara Kockelman Yantao Huang	10:15PM-12:00PM	Convention Center, 156	<i>Anticipating Long-Distance Travel Shifts Due to Self-Driving Vehicles</i>

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
276	AFF40	Brennan Dubuc Arvin Ebrahimkhanlou Salvatore Salamone	10:15AM-12:00PM	Convention Center, 206	<i>Stress measurement in seven-wire strands using higher order guided ultrasonic wave modes</i>
339	ADB10	Pragun Vinayak Felipe Dias Sebastian Astroza Chandra Bhat Ram Pendyala Venu Garikapati	1:30PM-3:15PM	Convention Center, 156	<i>Accounting for Multi-Dimensional Dependencies Among Decision-Makers Within a Generalized Model Framework: An Application to Understanding Shared Mobility Service Usage Levels</i>
340	ADB30	Kara Kockelman Kenneth Perrine YaWei He	1:30PM-3:15PM	Convention Center, 146B	<i>Optimal Locations of U.S. Fast Charging Stations for Long-Distance Trips by Battery Electric Vehicles</i>
350	AFN10	Kevin Folliard	1:30PM-3:15PM	Convention Center, 202A	<i>Delayed Ettringite Formation (DEF): Mechanisms and Preventive Measures</i>
406	ADB50	Patricia Lavieri Felipe Dias Natalia Ruiz-Juri James Kuhr Chandra Bhat	3:45PM-5:30PM	Convention Center, 145A	<i>A Model of Ridesourcing Demand Generation and Distribution</i>

Tuesday, January 9, 2018

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
475	ADA60	Alex Karner Amit Kumar Catherine Ross Rohan Katyal	8:00AM-9:45AM	Convention Center, 156	<i>Traffic and Incident Management Using Crowdsourced Data: Challenges and Lessons Learned from Practice</i>
488	AFS70	Gholam Hossein Roodi Amr M. Morsy Jorge Zornberg	8:00AM-9:45AM	Convention Center, 209A	<i>Soil-Geosynthetic Interface Shear in Different Testing Scales</i>
533	ADB40	Sebastian Astroza Chandra Bhat Venu Garikapati Ram Pendyala Patricia Mokhtarian	10:15AM-12:00PM	Convention Center, 145A	<i>Representing Heterogeneity in Structural Relationships Among Multiple Choice Variables Using a Latent Segmentation Approach</i>



<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
539	AFD20	Sareh Kouchaki Hossein Roshani Jorge Prozzi Cristina Cordoba Joaquin Hernandez	10:15AM-12:00PM	Convention Center, 208	<i>Evaluation of Using Line Laser Scanner to Improve the Measurement of Average Least Dimension in Chip Seal Design Methods</i>
669	ADB40	Chandra Bhat	3:45PM-5:30PM	Convention Center, 145A	<i>Advancing TDM: Developing the Workforce</i>
669	ADB40	Chandra Bhat	3:45PM-5:30PM	Convention Center, 145A	<i>Advancing TDM: Addressing Fundamental Research Questions</i>
695	ANF10	Junfeng Jiao Nicole McGrath	3:45PM-5:30PM	Convention Center, Salon B	<i>Evaluating Walkability Through GIS Spatial Analysis in South Florida</i>

Wednesday, January 10, 2018

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
743	ADD10	Zhanmin Zhang	8:00AM-9:45AM	Convention Center, 140B	<i>One Belt One Road: Applying Megaregional Economic Development Strategies in Asia</i>
745	AFB40	Michael Barrett	8:00AM-9:45AM	Convention Center, 209A	<i>Mitigation of Impacts to Groundwater Quality from Highway Runoff in a Karst Terrain</i>
749	AFD90	Sareh Kouchaki Hossein Roshani Joaquin Hernandez Jorge Prozzi	8:00AM-9:45AM	Convention Center, 203	<i>Field Investigation of Relationship between Pavement Surface Texture and Friction</i>
805	ADD50	Richard Marcantonio Aaron Golub Alex Karner Louise Dyble	10:15AM-12:00PM	Convention Center, 156	<i>Realizing the Potential of Equity Analyses of Regional Transportation Plans: Law, Practice, and Proposals for Reform</i>
805	ADD50	Alex Karner Aaron Golub	10:15AM-12:00PM	Convention Center, 156	<i>Assessing the Equity Impacts of a Transportation Improvement Program</i>

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
815	AHB35	Xiaoxiao Zhang Jiaqi Ma Brian Smith Jun Liu	10:15AM-12:00PM	Convention Center, Salon C	<i>Operational Performance Evaluation of the Managed Lane Strategy for Early Deployment of Cooperative Adaptive Cruise Control</i>

Poster Sessions

Monday, January 8, 2018

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
241	ABJ40	Chandra Bhat William Brazil Brian Caulfield	8:00AM-9:45AM	Convention Center, Hall E	<i>The Potential Role of Eye Tracking in Stated Preference Survey Design and Piloting</i>	B326
250	AHB20	Venktesh Pandey Cesar Yahia Stephen Boyles Jia Li	8:00AM-9:45AM	Convention Center, Hall E	<i>Evaluation of Active Traffic Management (ATM) Strategies under Recurring and Non-recurring Congestion: an IH-35 Corridor Case Study</i>	A202
314	AFD90	Natalia Zuniga Garcia Jorge Prozzi Andre Smit	10:15AM-12:00PM	Convention Center, Hall E	<i>Predicting Friction with Improved Texture Characterization</i>	A194
315	AFH10	Junghye Son Nabeel Khwaja Duane Milligan	10:15AM-12:00PM	Convention Center, Hall E	<i>A Time-Cost Model for Predicting Durations of Highway Construction Projects</i>	A161
379	ABE25	Venktesh Pandey Stephen Boyles	1:30PM-3:15PM	Convention Center, Hall E	<i>Dynamic Pricing for Managed Lanes with Multiple Entrances and Exits</i>	B484
386	ABJ70	Venktesh Pandey Weijia Xu Lei Huang Si Liu Natalia Ruiz-Juri	1:30PM-3:15PM	Convention Center, Hall E	<i>Processing large-scale video data to support transportation safety, planning, and operations: a flexible approach to data storage and integration.</i>	B362



<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
392	AHB30	Pavle Bujanovic C. Michael Walton Taylor Lochrane Jia Hu Tomislav Bujanovic	1:30PM-3:15PM	Convention Center, Hall E	<i>Cooperative Adaptive Cruise Control Algorithm with Priority Weights Assigned to Downstream Vehicles for Increased Safety</i>	A240
394	ANB20	Chandra Bhat Sebastian Astroza Patricia Lavieri	1:30PM-3:15PM	Convention Center, Hall E	<i>A Model for the Analysis of Pedestrian Injury Counts by Severity Level</i>	A207
448	AFK40	Ramez Hajj Angelo Filonzi Andre Smit Amit Bhasin	3:45PM-5:30PM	Convention Center, Hall E	<i>Design and Performance of Mixes for Use as an Ultra Thin Overlay</i>	A133
451	AHB40	Natalia Zuniga Garcia Randy Machemehl Heidi Ross	3:45PM-5:30PM	Convention Center, Hall E	<i>Multimodal Level of Service Methodologies: Arterial Corridors' Multimodal Assessment</i>	A242

Tuesday, January 9, 2018

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
513	ADC20	Jun Liu Behram Wali Asad Khattak David Greene	8:00AM-9:45AM	Convention Center, Hall E	<i>Fuel Economy Gaps Within & Across Garages: Exploring Variations and Heterogeneity</i>	B390
566	ADC70	Jun Liu Behram Wali Asad Khattak David Greene	10:15AM-12:00PM	Convention Center, Hall E	<i>Analyzing within Garage Fuel Economy Gaps to Support Vehicle Purchasing Decisions – A Copula Based Approach</i>	B370
573	AHB45	Gopindra Sivakumar Nair Chandra Bhat Robert Heath Natalia Ruiz-Juri Mohammed Eltayeb	10:15AM-12:00PM	Convention Center, Hall E	<i>A Microsimulation Approach to Quantify the Safety Benefits of Connected Vehicles: A Road Hazard Warnings Application</i>	A230
636	AFD10	Oscar Daniel Galvis Arce Juan Porras-Alvarado Zhanmin Zhang	1:30PM-3:15PM	Convention Center, Hall E	<i>Benefit-Cost Estimate for Skid Resistance Improvements at the Network Level Using Markov Chains</i>	A140



Session No.	Committee Sponsor	Participants	Time	Location	Title	Board No.
640	AFK20	Angelo Filonzi Ramez Hajj Indu Venu Sabaraya Dipesh Das Navid Saleh Amit Bhasin	1:30PM-3:15PM	Convention Center, Hall E	<i>Investigating the Ability of Nanomaterials to Effectively Disperse in Asphalt Binders for Use as a Modifier</i>	A211
641	AFK20	Fardin Khabaz Farshad Fallah Hamzeh Haghshenas Yong-Rak Kim	1:30PM-3:15PM	Convention Center, Hall E	<i>Molecular Dynamics Modeling and Simulation of Bitumen Chemical Aging</i>	A186
642	AFK20	Amit Bhasin Panos Apostolidis A. Tom Scarpas Cor Kasbergen Sandra Erkens	1:30PM-3:15PM	Convention Center, Hall E	<i>Study of Asphalt Binders Fatigue with a New Dynamic Shear Rheometer Geometry</i>	A200
642	AFK20	Nazmus Sakib Amit Bhasin	1:30PM-3:15PM	Convention Center, Hall E	<i>Estimating polarity-based distribution of bitumen using simplified chromatographic techniques</i>	A201
660	AP040	Krishna Murthy Gurumurthy Kara Kockelman	1:30PM-3:15PM	Convention Center, Hall E	<i>Analyzing the Dynamic Ride-Sharing Potential for Shared Autonomous Vehicle Fleets Using Cellphone Data from Orlando, Florida</i>	B462
717	AFK50	Angelo Filonzi Ramez Hajj Andre Smit Amit Bhasin	1:30PM-3:15PM	Convention Center, Hall E	<i>Validating Inverse Stereology Methods to Generate Two Dimensional Area Gradations for Computational Modeling</i>	A180
709	ADA20	Qinglu Ma Kara Kockelman Marc Segal	3:45PM-5:30PM	Convention Center, Hall E	<i>Making the Most of Curb Spaces in a World of Shared Autonomous Vehicles: A Case Study of Austin, Texas</i>	B374
713	ADD55T	Alex Karner Yizheng Wu Dana Rowangould Jonathan London	3:45PM-5:30PM	Convention Center, Hall E	<i>Modeling health equity in active transportation planning</i>	B483



<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
718	AFK50	Amit Bhasin Andrise Buchweitz Klug Adalberto Faxina Andressa Ng	3:45PM-5:30PM	Convention Center, Hall E	<i>Evaluation of the Fatigue Performance of Fine Aggregate Matrices Prepared with Reclaimed Asphalt Pavements and Shale Oil Residue</i>	A141
718	AFK50	Amit Bhasin Andressa Ng Adalberto Faxina Andrise Buchweitz Klug	3:45PM-5:30PM	Convention Center, Hall E	<i>Evaluation of The Fatigue Damage Behavior of Fine Aggregate Matrices Prepared with Modified Binders Using the VECD Theory</i>	A140
725	AHD18	Natalia Zuniga Garcia Jorge Prozzi Wilfrido Martinez Andre Smit Feng Hong	3:45PM-5:30PM	Convention Center, Hall E	<i>Economic Analysis of Pavement Preservation Techniques</i>	A106
726	AP050	Neil Quarles Kara Kockelman	3:45PM-5:30PM	Convention Center, Hall E	<i>Costs and Benefits of Electrifying and Automating U.S. Bus Fleets</i>	B402

Wednesday, January 10, 2018

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
774	ADB10	Felipe Dias Sebastian Astroza Venu Garikapati Ram Pendyala Chandra Bhat Patricia Mokhtarian	8:00AM-9:45AM	Convention Center, Hall E	<i>A Multivariate Exploration of Emotional Feelings of Subjective Well-being During Travel Episodes</i>	B395
775	AHB45	Tian Lei Christian Claudel	8:00AM-9:45AM	Convention Center, Hall E	<i>A Viability Theory Based Algorithm for Computing Solutions to the Lighthill-Whitham-Richards Model Involving Partial Autonomous Vehicle Flows</i>	A235
783	ANF20	Margaret Kent Alex Karner	8:00AM-9:45AM	Convention Center, Hall E	<i>Prioritizing low-stress and equitable bicycle infrastructure using a novel accessibility measure</i>	A196

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
828	ADB20	Qichun Dai Patricia Lavieri Chandra Bhat	10:15AM-12:00PM	Convention Center, Hall E	<i>Using Virtual Accessibility and Physical Accessibility as Joint Predictors of Activity-Travel Behavior</i>	B396
829	ADB40	Guangming Wang Kara Kockelman	10:15AM-12:00PM	Convention Center, Hall E	<i>Three Methods for Anticipating and Understanding Uncertainty of Outputs from Transportation and Land Use Models</i>	B341
829	ADB40	Chandra Bhat	10:15AM-12:00PM	Convention Center, Hall E	<i>New Matrix-Based Methods for the Analytic Evaluation of the Multivariate Cumulative Normal Distribution Function</i>	B384
829	ADB40	Sebastian Astroza Purna Bhat Chandra Bhat Ram Pendyala Venu Garikapati	10:15AM-12:00PM	Convention Center, Hall E	<i>Understanding Activity Engagement Across Weekdays and Weekend Days: A Multivariate Multiple Discrete-Continuous Modeling Approach</i>	B383
829	ADB40	Abhilash Singh Sebastian Astroza Venu Garikapati Ram Pendyala Chandra Bhat Patricia Mokhtarian	10:15AM-12:00PM	Convention Center, Hall E	<i>Quantifying the contribution of various factors to household vehicle miles of travel</i>	B382
831	AHB30	Jun Liu Asad Khattak	10:15AM-12:00PM	Convention Center, Hall E	<i>Mapping Location-Based Driving Volatility for Connected and Automated Vehicles</i>	A200
832	AHB45	Punith Kotagi Gowri Asaithambi Krishna Murthy Gurumurthy	10:15AM-12:00PM	Convention Center, Hall E	<i>Development of Microscopic Simulation Model for Bidirectional Mixed Traffic on Urban Roads</i>	A211
834	ANB20	Jun Liu Asad Khattak Chong Chen Dan Wan Jiaqi Ma Jia Hu	10:15AM-12:00PM	Convention Center, Hall E	<i>Revisiting Hit-and-Run Crashes: A Geo-Spatial Modeling Method</i>	A134
855	ABC10	Jenfeng Jiao	2:30PM-4:00PM	Convention Center, Hall E	<i>Investigating Uber Price Surges During a Special Event in Austin, Texas</i>	B304



<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
861	ABR20	Srijith Balakrishnan Zhanmin Zhang	2:30PM-4:00PM	Convention Center, Hall E	<i>Developing Priority Index for Managing Utility Disruptions in Urban Areas with Focus on Cascading and Interdependent Effects</i>	B326
864	ADB30	Chi Xie Xing Wu Stephen Boyles	2:30PM-4:00PM	Convention Center, Hall E	<i>Path Constrained Traffic Assignment: Continuously Distributed Bounds on Travel Weights (18-04790)</i>	A121
864	ADB30	Cesar Yahia Venkatesh Pandey Stephen Boyles	2:30PM-4:00PM	Convention Center, Hall E	<i>Network Partitioning Algorithms for Solving the Traffic Assignment Problem Using a Decomposition Approach (18-06570)</i>	A122
864	ADB30	YaWei He Kara Kockelman Kenneth Perrine	2:30PM-4:00PM	Convention Center, Hall E	<i>Optimal Locations of U.S. Fast Charging Stations for Long-Distance Trips by Battery Electric Vehicles (18-00710)</i>	A175



Receptions and Special Events

Sunday, January 7, 2018

<i>Host</i>	<i>Name</i>	<i>Time</i>	<i>Location</i>	<i>Info</i>
TRB	Careers in Motion Networking Fair	10:00AM-2:00PM	Convention Center, Hall E	
TRB	New Attendee Orientation	2:30PM-4:00PM	Convention Center, Ballroom AB	
TRB	Exhibit Hall Opening Reception	4:00PM-7:00PM	Convention Center, Hall D	
UT CAEE/CTR	Friends and Family Reception	7:00PM-8:30PM	Marriott Marquis Capital/Congress Room (M4)	
TRB Young Members Council	Young Professionals Reception	9:00PM-10:30PM	Convention Center, Ballroom South Pre-Function C	

Monday, January 8, 2018

<i>Host</i>	<i>Name</i>	<i>Time</i>	<i>Location</i>	<i>Info</i>
ITE	Student Member Reception	6:00PM-8:00PM	ITE Office, 1627 Eye Street NW, Suite 600, Washington, DC 20006	Student members and non-members welcome
UT ITE/ITS	Chapter Social	7:00PM-9:00PM	Capitol City Brewing Company, 1100 New York Ave NW, Washington DC 20005	Appetizers provided

Wednesday, January 10, 2018

<i>Host</i>	<i>Name</i>	<i>Time</i>	<i>Location</i>	<i>Info</i>
TRB	Chairman's Luncheon	12:00PM-2:00PM	Convention Center, Ballroom AB	Separate ticket required