



TEXAS LONGHORN PRESENTATION SCHEDULE

TRANSPORTATION RESEARCH BOARD

98th ANNUAL MEETING, JANUARY 2019

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Prepared by ITE/ITS VP of Publicity: Yorguo El Hachem

Workshops

Sunday, January 13, 2019

Workshop No.	Committee Sponsor	Participants	Time	Location	Title
1037	ADH00 AH000 A0040T AHB000	Jojo France-Mensah Venkatesh Pandey Yorguo El Hachem	9:00AM - 12:00PM	Convention Center, 207B	<i>Three-Minute Thesis Competition: Concise Portrayal of Research Discovery to Nonspecialist Audience</i>
1063	ADC80 ADC60 ADC70 ADD40	Kara Kockelman	1:30PM - 4:30PM	Convention Center, 146A	<i>Taking Stock of Transportation Life-Cycle Assessment</i>
1073	AFN10 AFN20 AFN30 AFN40	Raissa Ferron	1:30PM - 4:30PM	Convention Center, 207A	<i>New Insights for Testing, Resourcing, and Applying Concrete Pozzolans, Part 2</i>
1078	AHB35 ADB10 ABE25	Chandra Bhat	1:30PM - 4:30PM	Convention Center, Sal. B	<i>Building a Managed Lane Network That Incorporates Future Needs and Provides Regional, Multimodal Alternatives</i>
1094	ADB00 ADB10 ADB20 ADB30 ADB40 ADB50	Krishna Murthy Gurumurthy Venkatesh Pandey	1:30PM - 5:30PM	Convention Center, 146B	<i>Doctoral Research in Transport Modeling</i>



Committee Meetings

Monday, January 14, 2019

<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
AFK20	Darren Hazlett	8:00 AM – 12:00 PM	Marriott Marquis, Georgetown Univ. (M1)	<i>Asphalt Binders Committee</i>
ADB30 ADB30 1	Stephen D. Boyles	3:45 PM – 5:30 PM	Marriott Marquis, Monument (M4)	<i>Transit, Freight, and Logistics Modeling Subcommittee, ADB30(1)</i>

Tuesday, January 15, 2019

<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
A0010	Jorge Prozzi	10:15AM – 12:00PM	Marriott Marquis, Independence C (M4)	<i>International Research Needs Subcommittee, A0010(2)</i>

Wednesday, January 16, 2019

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

Lectern Sessions

Monday, January 14, 2019

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
1095	A0010	Michael Walton	8:00 AM – 9:45 AM	Convention Center, 152A	<i>NAFTA and Freight Transportation between the U.S, Canada, and Mexico</i>
1096	ABE25	Jooyong Lee Kara Kockelman	8:00 AM – 9:45 AM	Convention Center, 151A	<i>Development of Traffic-Based Congestion Pricing and its Application to Automated Vehicles</i>
1096	ABE25	Krishna Murthy Gurumurthy Kara Kockelman Michele Simoni	8:00 AM – 9:45 AM	Convention Center, 151A	<i>Benefits & Costs of Ride-Sharing in Shared Automated Vehicles Across Austin, Texas: Opportunities for Congestion Pricing</i>

1096	ABE25	Michele Simoni Kara Kockelman Krishna Murthy Gurusurthy Joschka Bischoff	8:00 AM – 9:45 AM	Convention Center, 151A	<i>Congestion Pricing in A World of Self-Driving Vehicles: An Analysis of Different Strategies in Alternative Future Scenarios</i>
1103	ADB10	Kamryn Long Denise Capasso da Silva Felipe Dias Sara Khoeini Aarti C. Bhat Ram Pendyala Chandra Bhat	8:00 AM – 9:45 AM	Convention Center, 145A	<i>The Role of Childhood Context and Experience in Shaping Activity-Travel Choices in Adulthood</i>
1242	ABC10 ABE30 ABG30 ADA10 ADD10 ADD20 ADD50 AL010 AP025 AP010	Sandra Rosenbloom	1:30 PM – 3:15 PM	Convention Center, 152A	<i>The Equity Equation: Meaningful and Innovative Strategies That Define and Address Unmet Needs in Underserved Communities: Effects on Aging Populations</i>
1251	ADB10	Felipe Dias Patricia S. Lavieri Taehooie Kim Chandra Bhat Ram Pendyala	1:30 PM – 3:15 PM	Convention Center, 156	<i>Fusing Multiple Sources of Data to Understand Ride-Hailing Use</i>
1263	AFP70	Hongbin Xu Jorge Prozzi	1:30 PM – 3:15 PM	Convention Center, 209C	<i>Correlation of Aggregate Form Properties with Fourier Frequencies</i>
1320	ABJ45T ABJ10	Abhilash Singh Kelsey Abel Joseph Hutchinson Kasey Faust Chandra Bhat	3:45 PM – 5:30 PM	Convention Center, 151B	<i>Food Access for Low Income Individuals</i>
1322	ADA60	Greg Griffin Junfeng Jiao	3:45 PM – 5:30 PM	Convention Center, 156	<i>The Geography and Equity of Crowdsourced Public Participation for Active Transportation Planning</i>
1338	AHB35	Venkatesh Pandey Stephen D. Boyles	3:45 PM – 5:30 PM	Convention Center, Salon A	<i>Comparing Route Choice Models for Managed Lane Networks with Multiple Entrances and Exits</i>

Tuesday, January 15, 2019

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
1461	AFD90	Natalia Zuniga–Garcia Jorge Prozzi	10:15AM – 12:00PM	Convention Center, 209A	<i>High–Definition Field Texture Measurements for Predicting Pavement Friction</i>
1475	ANB60	Joseph Hutchinson Denise Capasso da Silva Felipe Dias Chandra Bhat Sara Khoeini Ram Pendyala William Lam	10:15AM – 12:00PM	Convention Center, 103A	<i>Exploring Driving Behaviors Among Older Adults Using Multiple Methodologies</i>
1510	ABJ10 ADB10 ADB40	Krishna Murthy Gurumurthy Kara Kockelman	1:30PM – 3:15PM	Convention Center, 152B	<i>Focusing Attention on the Critical Topic of Long–Distance Travel</i>
1515	ADB30	Ying Zhang Jefferson Riera Kayla Ostrow Sauleh Siddique Harendra de Silva Sahotra Sarkar Lauren Gardner	1:30PM – 3:15PM	Convention Center, 145A	<i>How Human Mobility Impacts Outbreaks: A Network Modeling Framework with an Application to Dengue in Sri Lanka</i>
1528	AHB45	Rachel James Britton Hammit Stephen D. Boyles	1:30PM – 3:15PM	Convention Center, 101	<i>Methods to Obtain Representative Car–Following Model Parameters from Trajectory–Level Data for Use in Microsimulation</i>
1528	AHB45	Britton Hammit Rachel James Mohamed Ahmed Rhonda Young	1:30PM – 3:15PM	Convention Center, 101	<i>Towards the Development of Weather–Dependent Microsimulation Models</i>
1539	AP025	Chris Bischak Junfeng Jiao	1:30PM – 3:15PM	Convention Center, 145B	<i>Lightning Talk: Understanding the Spatial Distribution of Transit Captive Populations in 52 Major US Cities</i>
1585	ADB10	Shivam Sharda Sebastian Astroza Sara Khoeini Irfan Batur Ram Pendyala Chandra Bhat	3:45PM – 5:30PM	Convention Center, 145A	<i>Do Attitudes Affect Behavioral Choices or Vice–Versa? Uncovering Latent Segments Within a Population</i>

Wednesday, January 16, 2019

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>
1681	AHD18	Yorguo El Hachem Sareh Kouchaki Jorge Prozzi Sydney B. Abrisz	8:00AM – 9:45AM	Convention Center, 206	Using 3D Laser Scanners to Automatically Adjust the Chip Seal Binder Application Rate for Varying Surface Texture
1760	ADB40	Gopindra S. Nair Chandra Bhat Ram Pendyala Becky P.Y. Loo William Lam	2:30PM – 4:00PM	Convention Center, 146B	On the Use of Probit Based Models for Ranking Data Analysis
1803	E0000	Genevieve Giuliano Michael Walton Edward Mortimer	2:30 PM – 4:00 PM	Convention Center, Ballroom C	Future of the Interstate Highway System Panel Discussion

Poster Sessions

Monday, January 14, 2019

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
1166	AT025	Mohammad Neaz Murshed Randy Machemehl	8:00AM – 9:45AM	Convention Center, Hall A	<i>A Disaggregate Level Commodity Based Truck Tour Model for Urban Commercial Freight Origin–Destination Matrix Estimation</i>	A229
1216	ABJ35	Amber Chen Yun Li, Jiansu Natalia Ruiz–Juri Heidi Westerfield Ross Tengkuo Zhu	10:15AM – 12:00PM	Convention Center, Hall A	<i>Understanding the impacts of freeway lane closures through data: a combined analysis of NPMRDS and fixed–sensor data</i>	A106
1220	AFB80	Cesar Yahia Shannon E Scott Stephen Boyles Christian G Claudel	10:15AM – 12:00PM	Convention Center, Hall A	<i>Unmanned Aerial Vehicle Path Planning for Traffic Estimation and Detection of Non–Recurrent Congestion</i>	B400
1221	AFD30 AFD00 AFD30	Yara Hamdar Amal Bakchan Ghassan Chehab Imad Al–Qadi Dallas Little	10:15AM – 12:00PM	Convention Center, Hall A	<i>Framework for Bench–marking Pavement Practices in Data–Scarce Regions</i>	B312

1230	AHB25	Hao Liu Amber Chen Randy Machemehl	10:15AM – 12:00PM	Convention Center, Hall A	<i>An Adaptive Signal Control Method Using Cell Transmission Model and Mixed Integer Linear Programming</i>	B439
1297	ABJ50	Stefanos Politis Zhanmin Zhang Sareh Kouchaki Carlos Caldas	1:30PM – 3:15PM	Convention Center, Hall A	<i>A Framework for Network-Level Pavement Condition Assessment Using Remote Sensing Data Mining</i>	A221
1360	ADC70	Jooyong Lee Kara Kockelman	3:45PM – 5:30PM	Convention Center, Hall A	<i>Energy and Emissions Implications of Self-Driving Vehicles</i>	A131
1361	ADC80	Yantao Huang Kara Kockelman	3:45PM – 5:30PM	Convention Center, Hall A	<i>Electric Vehicle Charging Station Locations: The Case of User Equilibrium and Elastic Demand</i>	A130
1370	AT015	Yantao Huang Kara Kockelman	3:45PM – 5:30PM	Convention Center, Hall A	<i>What Will Autonomous Trucking Do to U.S. Trade Flows? Application of The Random-Utility-Based Multi-Regional Input-Output Model</i>	A195
1299	ABJ70	Natalia Zuniga-Garcia Mauricio Tec James G. Scott Natalia Ruiz-Juri Randy Machemehl	6:00PM – 7:30PM	Convention Center, Hall A	<i>Evaluation of Ride-Sourcing Search Frictions and Driver Productivity: A Spatial Denoising Approach</i>	A162

Tuesday, January 15, 2019

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
1492	ABE90	Md. Mashrur Rahman Mohammad Shakil Akther Will Recker	8:00AM – 9:45AM	Convention Center, Hall A	<i>The First and Last Mile of Public Transportation: A Study of Access and Egress Travel Characteristics of Commuters Living in The Suburban Areas Of Dhaka</i>	A124
1493	ADD20	Fangru Wang Catherine Ross Alex Karner	10:15AM – 12:00PM	Convention Center, Hall A	<i>Understanding the Influence of Mobility as a Service on Job Accessibility and Transportation Equity</i>	A168
1621	ADD30	Hao Pang Ming Zhang	10:15AM – 12:00PM	Convention Center, Hall A	<i>Understand the Multi-Level Effects of the Built Environment on Trip-Chaining Behavior</i>	A197

1555	AFD10	Md Al Amin Zhanmin Zhang	1:30PM – 3:15PM	Convention Center, Hall A	<i>Pavement Management Budget Allocation Considering Multiple Objectives and Multiple Stake Holders</i>	B447
1557	AFD90	Sareh Kouchaki Yorguo El Hachem Jorge Prozzi	1:30PM – 3:15PM	Convention Center, Hall A	<i>An Automatic Method for Measuring the Mean Texture Depth (MTD)</i>	B439
1558	AFK20	Ramez Hajj Angelo Filonzi Syeda Rahman Amit Bhasin	1:30PM – 3:15PM	Convention Center, Hall A	<i>Considerations for Using the 4 mm Plate Geometry in the Dynamic Shear Rheometer for Low Temperature Evaluation of Asphalt Binders</i>	B379
1627	AFK50	Zila Maria Mascarenhas Matheus Gaspar Kamilla Vasconcelos Liedi Bernucci Amit Bhasin	3:45PM – 5:30PM	Convention Center, Hall A	<i>Field Evaluation of Large Stone Asphalt Mixture To Prevent Rutting On Heavy Traffic Highways</i>	B441
1629	AHB55	Rachel James Britton Hammit	3:45PM – 5:30PM	Convention Center, Hall A	<i>Identifying Contributing Factors to Heterogeneity in Driving Behavior: A Clustering and Classification Approach</i>	A234
1629	AHB55	Tengkuo Zhu Natalia Ruiz–Juri Stephen Boyles Kenneth Perrine Amber Chen Yun Li	3:45PM – 5:30PM	Convention Center, Hall A	<i>An Efficient Simulation Framework for Estimating Work–Zone Impacts</i>	A235
1637	AP025	Chris Bischak Junfeng Jiao	3:45PM – 5:30PM	Convention Center, Hall A	<i>Understanding the Spatial Distribution of Transit Captive Populations in 52 Major US Cities</i>	A132
1655	AHB25	William Alexander Alexander Hainen Xiaoyan Hong	6:00PM – 7:30PM	Convention Center, Hall A	<i>Vehicle Priority Scheduling Using Vehicle-to– Infrastructure Communications</i>	B302
1655	AHB25	Michael Dunn, Heidi Westerfield Ross Carolina Baumanis Jared Wall Lammert Jen Duthie Natalia Ruiz–Juri Randy Machemehl	6:00PM – 7:30PM	Convention Center, Hall A	<i>A Data–Driven Methodology for Prioritizing Traffic Signal Retiming Operations</i>	B317

Wednesday, January 16, 2019

<i>Session No.</i>	<i>Committee Sponsor</i>	<i>Participants</i>	<i>Time</i>	<i>Location</i>	<i>Title</i>	<i>Board No.</i>
1492	ABE90	Md. Mashrur Rahman Mohammad Shakil Akther Will Recker	8:00AM – 9:45AM	Convention Center, Hall A	<i>The First and Last Mile of Public Transportation: A Study of Access and Egress Travel Characteristics of Commuters Living in The Suburban Areas of Dhaka</i>	A124
1692	ABR20	John Collier Srijith Balakrishnan Zhanmin Zhang	8:00AM – 9:45AM	Convention Center, Hall A	<i>From Hurricane Katrina To Hurricane Harvey: Actions, Issues, And Lessons Learned in Transportation and Logistics Efforts for Emergency Response</i>	A128
1693	ADB10	Mahmoud Javanmardi Joshua Auld Krishna Murthy Gurumurthy	8:00AM – 9:45AM	Convention Center, Hall A	<i>Intra-Household Fully Automated Vehicles Assignment Problem, Model Development and Case Study</i>	A186
1694	ADB10	Patricia Lavieri Chandra Bhat	8:00AM – 9:45AM	Convention Center, Hall A	<i>A Joint Model of Experience and Frequency of Use of Solo and Pooled Ride-Hailing Services in Dallas, Texas</i>	A178
1695	ADB10	Hao Wu Yong Chen Junfeng Jiao	8:00AM – 9:45AM	Convention Center, Hall A	<i>The Impact of Neighborhood Built Environments on Shopping Travel Modes in Shanghai, China</i>	A135
1699	ADB40	Patricia Lavieri Chandra Bhat	8:00AM – 9:45AM	Convention Center, Hall A	<i>Modeling Individuals' Willingness to Share Trips with Strangers in an Autonomous Vehicle Future</i>	A202
1699	ADB40	Adam Nodjomian Kara Kockelman	8:00AM – 9:45AM	Convention Center, Hall A	<i>How Do Land Use Patterns Affect Ownership and Use of Self-Driving Vehicles?</i>	A257
1699	ADB40	Patricia Lavieri Chandra Bhat	8:00AM – 9:45AM	Convention Center, Hall A	<i>Investigating Potential Externalities of Ride-Hailing Adoption: A Multivariate Model of Ride-Hailing Trip Characteristics</i>	A201
1700	ADB40	Kevin Y.K. Leung Sebastian Astroza Becky P.Y. Loo Chandra Bhat	8:00AM – 9:45AM	Convention Center, Hall A	<i>An Environment-People Interactions Framework for Analyzing Children's Extra-Curricular Activities and Active Transport</i>	A188

1711	AT030	Mohammad Neaz Murshed Randy Machemehl	8:00AM – 9:45AM	Convention Center, Hall A	<i>Effects of Store Opening Hours on Destination Choice of Urban Commercial Truck Tours Delivering Food and Kindred Products</i>	B304
1746	ADA10	Adjo Amekudzi–Kennedy Alex Karner Alexandra Akosa Haley Franklin Jose Luiz Simao Henrik Gudmundsson Janille Smith–Colin	10:15AM – 12:00PM	Convention Center, Hall A	<i>Institutional Arrangements, Transportation System Investments and Socio– Economic Outcomes: Affecting the Development of Shared Regional Prosperity</i>	A104
1747	ADA20	Lisa Loftus–Otway Stephanie Levine Paulina Urbanowicz–Pollock	10:15AM – 12:00PM	Convention Center, Hall A	<i>Identifying Organizational Changes to Facilitate MPO Megaregion Planning</i>	A144
1747	ADA20	Yantao Huang Kara Kockelman Neil Quarles	10:15AM – 12:00PM	Convention Center, Hall A	<i>How Will Self–Driving Vehicles Affect U.S. Megaregion Traffic? The Case of The Texas Triangle</i>	A143
1747	ADA20	Gian–Claudia Sciara	10:15AM – 12:00PM	Convention Center, Hall A	<i>Regional Land Use and Transportation Sustainability: Metropolitan Planning Organizations (MPOs) and the Art of Nudging Local Governments</i>	A140
1752	AHB15	Rahul Patel Prashanth Venkatraman Stephen D. Boyles	10:15AM – 12:00PM	Convention Center, Hall A	<i>Optimal placement of reservation–based intersections in urban networks</i>	B384
1773	ABE10	Zhe Han Juan Diego Porras–Alvarado Zhanmin Zhang	2:30PM – 4:00PM	Convention Center, Hall A	<i>Genetic Algorithm Based Optimization of Capital Structure in Design–Build– Finance–Operate–Maintain Toll Highway Infrastructures</i>	A104
1776	ABE30	Alex Karner	2:30PM – 4:00PM	Convention Center, Hall A	<i>Investigating the Effects of Public Transit Service Changes Using Access To Opportunities And Revealed Behavior Measures</i>	A151
1780	ADB30	Can Gokalp Stephen D. Boyles	2:30PM – 4:00PM	Convention Center, Hall A	<i>Mean–Standard Deviation Model for Minimum Cost Flow Problem</i>	B320
1780	ADB30	Stephen D. Boyles Natalia Ruiz–Juri	2:30PM – 4:00PM	Convention Center, Hall A	<i>Queue Spillback and Demand Uncertainty in Dynamic Network Loading</i>	B321



Receptions and Special Events

Sunday, January 13, 2019

<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 A	Careers/Pathways in Transport (10:15 a.m.) Networking (11:00 a.m.) Mid-Career Changes in Transport (11:45 a.m.) Resume and Interviewing Basics (12:30 p.m.)
TRB	New Attendee Orientation	2:30PM– 4:00PM	Convention Center, Ballroom AB	Learn about the many opportunities available
TRB	Exhibit Hall Opening Reception	4:00PM– 7:00PM	Convention Center, Hall D&E	
Cal Berkley	Friends and Family Reception	5:30PM– 7:30PM	Marriott Marquis, Liberty Salon (M4)	
UT CAEE/CTR	Friends and Family Reception	7:00PM– 8:30PM	Marriott Marquis Capital/Congress Room (M4)	
Northwestern	Friends and Family Reception	8:00PM– 9:30PM	Marriott Marquis, Univ. of DC & Catholic Univ. Room (M1)	
TRB Young Members Council	Young Professionals Reception	9:00PM– 10:30PM	Convention Center, Ballroom South Pre-Function C	Networking

Monday, January 14, 2019

<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 are welcomed
UF	Friends and Family Reception	5:30PM – 7:30PM	Baby Wale, 1124 9th St NW	
North Carolina	Friends and Family Reception	6:30PM – 8:30PM	Busboys & Poets, 450 K St NW	



Tuesday, January 14, 2019

<i>Host</i>	<i>Name</i>	<i>Time</i>	<i>Location</i>	<i>Info</i>
YMC	The Six-Minute Pitch: A Transportation Startup Challenge	1:30 PM – 3:15 PM	Convention Center, Salon C	Student members and non-members are welcomed
UT ITE/ITS/WTS	Chapter Social	8:00PM – 9:30PM	Capitol City Brewing Company, 1100 New York Ave NW	Appetizers provided

Wednesday, January 16, 2019

<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
