

# **TEXAS LONGHORN PRESENTATION SCHEDULE** TRANSPORTATION RESEARCH BOARD 99<sup>th</sup> ANNUAL MEETING, JANUARY 2020

# **Contents:**

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|                    |

Prepared by Transportation Council Executive Director: Michael Moore

# Workshops

# Sunday, January 12, 2020

| Workshop<br>No. | Committee<br>Sponsor                               | Participants  | Time                   | Location                   | Title   |
|-----------------|--|---------------|------------------------|----------------------------|---|
| 1018            | AFD30  | Zhanmin Zhang | 9:00AM<br>-<br>12:00PM | Convention<br>Center, 206  | Smart and Multifunctional Pavements   |
| 1059            | AFD10<br>ABC40                                     | Jorge Prozzi  | 1:30PM<br>-<br>4:30PM  | Convention<br>Center, 202A | Developing Performance Prediction<br>Models   |
| 1086            | AT055<br>ABJ35<br>AHD30                            | Daren Hazlett | 1:30PM<br>-<br>4:30PM  | Convention<br>Center, 145B | Employing Weigh-in-Motion Data to<br>Design, Rate, Manage, and Preserve<br>the Nations' Bridge Structures |
| 1090            | ADB00<br>ADB10<br>ADB20<br>ADB30<br>ADB40<br>ADB50 | Felipe Dias   | 1:30PM<br>_<br>500PM   | Convention<br>Center, 146B | Doctoral Research in Transportation<br>Modeling   |



# **Committee Meetings**

# Monday, January 13, 2020

| Committee<br>Sponsor | Participants  | Time                    | Location  | Title   |
|----------------------|---|-------------------------|---|---|
| ADC60(2)             | Ty Wellik<br>Joseph Griffin<br>Kara Kockelman<br>Moataz Mohamed | 3:45 PM<br>_<br>5:30 PM | Marriott Marquis,<br>Independence Salon F<br>(M4) | Utility-Transit Nexus: Leveraging<br>Intelligently Charged Electrified<br>Transit to Support a Renewable<br>Energy Grid |

# Tuesday, January 14, 2020

| Committee<br>Sponsor | Participants      | Time                    | Location                                  | Title  |
|----------------------|-------------------|-------------------------|---|--|
| ADB30<br>ADB30 1     | Stephen D. Boyles | 8:00 AM<br>-<br>9:45 AM | Marriott Marquis,<br>Monument (M4)        | Transit, Freight, and Logistics<br>Modeling Subcommittee, ADB30(1) |
| AFK20                | Darren Hazlett    | 8:00AM<br>_<br>12:00PM  | Marriott Marquis,<br>Marquis Salon 5 (M2) | Asphalt Binders Committee  |

# Wednesday, January 15, 2020

| Committee<br>Sponsor | Participants | Time                   | Location  | Title  |
|----------------------|--------------|------------------------|---|--|
| ADB00                | Chandra Bhat | 12:15PM<br>-<br>2:15PM | Marriott Marquis,<br>Eastern Market (M3)<br>BY INVITATION | Travel Analysis Methods Section<br>Executive Board |

# **Lectern Sessions**

#### Monday, January 13, 2020

| Session<br>No. | Committee<br>Sponsor | Participants  | Time                    | Location                   | Title   |
|----------------|----------------------|---|-------------------------|----------------------------|---|
| 1094           | ABE90                | Aravinda Devaraj<br>Ganesh A. Ramakrishnan<br>Gopindra S. Nair<br>Karthik Srinivasan<br>Chandra Bhat<br>Abdul Pinjari<br>Gitakrishnan Ramadurai<br>Ram Pendyala | 8:00 AM<br>-<br>9:45 AM | Convention<br>Center, 154  | Joint Model of App-Based Ridehailing<br>Adoption, Intensity of Use and<br>Intermediate Public Transport (IPT)<br>Consideration among Workers in<br>Chennai City |
| 1099           | ABR30                | Srijith Balakrishnan<br>Zhanmin Zhang   | 8:00 AM<br>_            | Convention<br>Center, 152A | Investigation of Spatiotemporal<br>Variations in Traffic Conditions on the  |

CTR.

|      |   | Randy Machemehl<br>Michael Murphy   | 9:45 AM                   |                            | Houston Freeway Network Induced by<br>Hurricane Harvey  |
|------|---|---|---------------------------|----------------------------|---|
| 1114 | AFK20   | Amit Bhasin<br>Panos Apostolidis  | 8:00 AM<br>-<br>9:45 AM   | Convention<br>Center, 202B | How Tired Is My Asphalt?: Recent<br>Developments in Asphalt Binder<br>Fatigue Characterization                                  |
| 1166 | ADA20<br>ADD50  | Hannah Twaddell<br>Alex Karner<br>Fleming El-Amin   | 10:15 AM<br>_<br>12:00 PM | Convention<br>Center, 146B | Regional Equity Analysis Frameworks<br>and State of the Practice in the United<br>States  |
| 1229 | ABC10<br>ADA10<br>ADA60<br>ADB20<br>ADD10<br>ADD20<br>ADD40<br>AP010<br>AP020<br>AP025<br>AP060 | Sandra Rosenbloom   | 1:30 PM<br>-<br>3:15 PM   | Convention<br>Center, 152A | Mobility Patterns of Seniors  |
| 1235 | ADA20<br>ADA20(1)   | Michael Oden<br>Gian-Claudia Sciara   | 1:30 PM<br>-<br>3:15 PM   | Convention<br>Center, 145A | The Salience of Megaregional<br>Geographies for Inter-Metropolitan<br>Transportation Planning and Policy<br>Making              |
| 1237 | ADB30   | Darshan R. Chauhan<br>Avinash Unnikrishnan<br>Miguel Figliozzi<br>Stephen Boyles            | 1:30 PM<br>-<br>3:15 PM   | Convention<br>Center, 146B | Robust Maximum Coverage Facility<br>Problem with Drones Considering<br>Uncertainties in Battery Availability<br>and Consumption |
| 1237 | ADB30   | Cesar Yahia<br>Gustavo de Veciana<br>Michael Stecklein<br>Jean Abou Rahal<br>Stephen Boyles | 1:30 PM<br>-<br>3:15 PM   | Convention<br>Center, 146B | Book Ahead and Performance<br>Management for Ridesharing<br>Platforms   |
| 1243 | AFD90   | Satyavati Komaragiri<br>Armen Amerkhanian<br>Amit Bhasin                                    | 1:30 PM<br>-<br>3:15 PM   | Convention<br>Center, 202B | Friction and Texture Retention of<br>Concrete Pavements   |
| 1263 | AP025   | Gian-Claudia Sciara<br>Md. Rahman<br>Rydell Walthall  | 1:30 PM<br>-<br>3:15 PM   | Convention<br>Center, 147A | Lightning Talk: Representing Public<br>Transportation Providers in<br>Metropolitan Planning                                     |
| 1286 | AB010T<br>ABE30<br>ABG30  | Kristie Chin  | 3:45 PM<br>-<br>5:30 PM   | Convention<br>Center,151B  | Knowledge Management for Change<br>and Uncertainty  |

| 1294 | ADB10 | Felipe Dias<br>Taehooie Kim<br>Chandra Bhat<br>Ram Pendyala<br>William Lam<br>Abdul Pinjari<br>Karthik Srinivasan<br>Gitakrishnan Ramadurai | 3:45 PM<br>-<br>5:30 PM | Convention<br>Center, 146B | Modeling the Evolution of Ride-Hailing<br>Adoption and Usage: A Case Study of<br>the Puget Sound Region       |
|------|-------|---|-------------------------|----------------------------|---|
| 1295 | ADB50 | Felipe Dias<br>Natalia Ruiz-Juri<br>Gopindra S. Nair<br>Chandra Bhat<br>Arash Mirzaei   | 3:45 PM<br>_<br>5:30 PM | Convention<br>Center, 145A | Incorporating Autonomous Vehicles in<br>the Traditional Four Step Model: A<br>Case Study in Dallas-Fort Worth |

# Tuesday, January 14, 2020

| Session<br>No. | Committee<br>Sponsor | Participants  | Time                    | Location                   | Title  |
|----------------|----------------------|---|-------------------------|----------------------------|--|
| 1432           | ABE30                | Alex Karner   | 10:15AM<br>-<br>12:00PM | Convention<br>Center, 152A | People-Focused and Near-Term Public<br>Transit Performance Analysis  |
| 1459           | AHD35                | Trinh Hoang<br>Zhe Han<br>Zhanmin Zhang   | 10:15AM<br>-<br>12:00PM | Convention<br>Center, 204C | Integrating Economic and Utility<br>Concepts for a Comprehensive Bridge<br>Valuation Model   |
| 1474           | AT015                | Tengkuo Zhu<br>Stephen Boyles<br>Avinash Unnikrishnan   | 10:15AM<br>_<br>12:00PM | Convention<br>Center, 144A | Electric Vehicle Travelling Salesman<br>Problem with Drone   |
| 1517           | ADB10                | Denise Capasso da Silva<br>Sebastian Astroza<br>Irfan Batur<br>Sara Khoeini<br>Tassio Magassy<br>Ram Pendyala<br>Chandra Bhat | 1:30PM<br>_<br>3:15PM   | Convention<br>Center, 156  | Are Millennials Really All That<br>Different Than Generation X? Analysis<br>of Factors Contributing to Differences<br>in Vehicle Miles of Travel |
| 1518           | ADB40                | Gopindra S. Nair<br>Chandra Bhat<br>Irfan Batur<br>Ram Pendyala<br>William Lam  | 1:30PM<br>_<br>3:15PM   | Convention<br>Center, 145A | A Model of Deadheading Trips<br>and Pick-Up Locations for Ride-Hailing<br>Service Vehicles   |
| 1533           | AFP70                | Jorge Prozzi<br>Hongbin Xu  | 1:30PM<br>-<br>3:15PM   | Convention<br>Center, 209C | Characterization of Aggregate<br>Angularity in the Frequency Domain  |



| 1534 | AHB55             | Randy Machemehl<br>Natalia Zuniga-Garcia<br>Nabeel Khwaja<br>Kristopher Pruner<br>Mengyu Fu  | 1:30PM<br>-<br>3:15PM | Convention<br>Center, 101  | Estimating Road User Costs for Work<br>Zones in Data-Limited or Time-<br>Constrained Environments  |
|------|-------------------|--|-----------------------|----------------------------|--|
| 1544 | AP025             | Yantao Huang<br>Kara Kockelman<br>Venu Garikapati<br>Lei Zhu<br>Stanley Young  | 1:30PM<br>-<br>3:15PM | Convention<br>Center, 145B | Use of Shared Automated Vehicles for<br>First-Mile Last-Mile Service: Micro-<br>Simulation of Rail-Transit Connections<br>in Austin, Texas |
| 1578 | ABE25             | Weijia Li<br>Kara Kockelman<br>Yantao Huang  | 3:45PM<br>-<br>5:30PM | Convention<br>Center, 152A | Traffic and Welfare Impacts of Credit-<br>Based Congestion Pricing Applications:<br>an Austin Case Study                                   |
| 1579 | ABE90             | Louis Alcorn<br>Alex Karner  | 3:45PM<br>-<br>5:30PM | Convention<br>Center, 154  | Integrating Formal and Informal<br>Transit into One Hybrid Passenger<br>Transport System in Lagos, Nigeria                                 |
| 1584 | ADB20             | Felipe Dias<br>Patricia Lavieri<br>Shivam Sharda<br>Sara Khoeini<br>Chandra Bhat<br>Ram Pendyala<br>Abdul Pinjari<br>Gitakrishnan Ramadurai<br>Karthink Srinivasan | 3:45PM<br>_<br>5:30PM | Convention<br>Center, 145A | A Comparison of Online and In-Person<br>Activity Engagement: The Case of<br>Shopping and Eating Meals                                      |
| 1607 | AND30             | Austin Angulo<br>Erin Robartes<br>T. Donna Chen<br>Matthew Dean<br>Emily Chen<br>Arsalan Heydarian<br>Brian Smith  | 3:45PM<br>_<br>5:30PM | Convention<br>Center, 103A | The Use of Virtual Reality Simulators<br>in Bicycle and Pedestrian Human<br>Subject Testing: A Synthesis                                   |
| 1611 | AP075<br>AP075(1) | Yefu Chen<br>Junfeng Jiao  | 3:45PM<br>-<br>5:30PM | Convention<br>Center, 147B | Exploring the Relationship between<br>the Light Rail Transit and Bus:<br>Competition Substitution or<br>Congestion Substitution            |
| 1615 | AT025             | Michele Simoni<br>Erhan Kutanoglu<br>Christian Claudel   | 3:45PM<br>-<br>5:30PM | Convention<br>Center, 146B | An Analysis of Robot-Assisted Last Mile<br>Delivery Systems  |
| 1644 | ADB30             | Tianxi Li<br>Natalia Ruiz-Juri<br>Heidi W. Ross<br>Randy Machemehl<br>John Nevares<br>Adam Kaliszewski   | 6:00PM<br>_<br>7:30PM | Convention<br>Center, 146A | Using DTA Models to Evaluate User<br>Delay Costs Due to Incidents: A Case<br>Study in Austin, TX   |

#### Wednesday, January 15, 2020

| Session<br>No. | Committee<br>Sponsor | Participants                                   | Time                      | Location                   | Title  |
|----------------|----------------------|--|---------------------------|----------------------------|--|
| 1667           | AFD90                | Jorge Prozzi<br>Yorguo El Hachem               | 8:00AM<br>-<br>9:45AM     | Convention<br>Center, 207A | Overcoming the Limitations of the<br>Sand Patch Test using the 3D Laser                  |
| 1711           | ADD20                | Ariel Bierbaum<br>Alex Karner<br>Jesus Barajas | 10:15 AM<br>_<br>12:00 PM | Convention<br>Center, 140B | Transportation Equity, Education<br>Equity, and School Choice: Making the<br>Connections |

# **Poster Sessions**

#### Monday, January 13, 2020 Session Committee Participants Time Location No. Sponsor Hao Liu 8:00AM Convention A Simulation-based Paradox: ABE25 1136 **Carolina Baumanis** \_ AHB35 Center, Hall A Longer Blockage, Less Delay? **Randy Machemehl** 9:45AM Yun Li 8:00AM Incorporating Vehicle Sense of Convention 1138 Carlin Liao Urgency into Road Intersection ABG00 Center, Hall A 9:45AM Dockless E-scooter Usage Patterns and Urban Built 10:15AM Shunhua Bai Convention 1206 ABE30 Environments: A Comparison Center, Hall A Junfeng Jiao 12:00PM Study of Austin, TX and Minneapolis, MN Deen Reinforcement Learning

| 1211 | ABJ70 | Venktesh Pandey<br>Evana Wang<br>Stephen Boyles | 10:15AM<br>_<br>12:00PM | Convention<br>Center, Hall A | Algorithm for Dynamic Pricing<br>of Express Lanes with Multiple<br>Access Locations        | A193 |
|------|-------|---|-------------------------|------------------------------|--|------|
| 1220 | AHB25 | Hao Liu<br>Randy Machemehl                      | 10:15AM<br>_<br>12:00PM | Convention<br>Center, Hall A | A Queueing Theory Based<br>Stochastic Traffic Delay Model<br>for Adaptive Signal Control   | A239 |
| 1220 | AHB25 | Hao Liu<br>Amber Chen<br>Randy Machemehl        | 10:15AM<br>_<br>12:00PM | Convention<br>Center, Hall A | An Adaptive Signal Control<br>Method Using a First Order<br>Macroscopic Traffic Flow Model | A240 |

Board

No.

A139

TBA

A144

Title

Priority

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| 1227 | AP050   | Jugal Amodwala<br>Kara Kockelman  | 10:15AM<br>_<br>12:00PM | Convention<br>Center, Hall A | Where to First Electrify Bus<br>Transit Routes: Case Study for<br>Austin, Texas  | B344 |
|------|---|---|-------------------------|------------------------------|--|------|
| 1278 | ABJ70   | Zhiyan Yi<br>Xiaoyue C. Liu<br>Ran Wei<br>Tony Grubesic                           | 1:30PM<br>              | Convention<br>Center, Hall A | Snowplow Truck Performance<br>Assessment and Feature<br>Importance Analysis using<br>Machine Learning Techniques   | B394 |
| 1283 | AHD35<br>AFF40  | Stefanos Politis<br>Zhanmin Zhang<br>Zhe Han<br>John Hasenbein<br>Miguel Arellano | 1:30PM<br>-<br>3:15PM   | Convention<br>Center, Hall A | Simulation-Based Bridge<br>Network Maintenance Budget<br>Planning Using Latin<br>Hypercube Sampling  | A116 |
| 1553 | ABR10<br>ABR10(2)<br>ABR10(3)<br>ABR10(5)<br>ABR10(7)<br>ABR10(9) | Jingran Sun<br>Srijith Balakrishnan<br>Zhanmin Zhang                              | 1:30PM<br>-<br>3:15PM   | Convention<br>Center, Hall A | A Simulation-based Resource<br>Allocation Framework for<br>Optimal Resilience in<br>Interdependent Infrastructure<br>Networks  | B437 |
| 1553 | ABR10<br>ABR10(2)<br>ABR10(3)<br>ABR10(5)<br>ABR10(7)<br>ABR10(9) | Jingran Sun<br>Zhanmin Zhang  | 1:30PM<br>-<br>3:15PM   | Convention<br>Center, Hall A | A Methodological Framework<br>for Improving Infrastructure<br>Network Resilience Using<br>Agent-Based Modeling and<br>Reinforcement Learning                                       | B438 |
| 1333 | ADB40   | Michael Moore<br>Patricia Lavieri<br>Felipe Dias<br>Chandra Bhat                  | 3:45PM<br>-<br>5:30PM   | Convention<br>Center, Hall A | On Investigating the Potential<br>Effects of Autonomous Vehicle<br>Use on Home/Work Relocations<br>and Commute Times   | A151 |
| 1336 | AFD90   | Oscar D. Galvis Arce<br>Zhanmin Zhang   | 3:45PM<br>_<br>5:30PM   | Convention<br>Center, Hall A | Benefit-Cost Ratio of Providing<br>Minimum Pavement Friction<br>Levels to a Roadway Network  | A256 |
| 1339 | ANB20   | Zili Li<br>Kara Kockelman   | 3:45PM<br>-<br>5:30PM   | Convention<br>Center, Hall A | Modeling Animal-Vehicle<br>Collision Counts Across Large<br>Networks Using a Hierarchical<br>Model with Dirichlet Process  | B394 |
| 1344 | AP025   | Gian-Claudia Sciara<br>Md. Rahman<br>Rydell Walthall                              | 3:45PM<br>_<br>5:30PM   | Convention<br>Center, Hall A | Representing Public<br>Transportation Providers in the<br>Metropolitan Planning  | A237 |
| 1344 | AP025   | Krishna M. Gurumurthy<br>Kara Kockelman   | 3:45PM<br>-<br>5:30PM   | Convention<br>Center, Hall A | ACRP Student Research -<br>Impacts of Shared Automated<br>Vehicles on Airport Access and<br>Operations, With Opportunities<br>for Revenue Recovery: Case<br>Study of Austin, Texas | A228 |



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| 1356 | ANB20 | Dustin Wood<br>Praveena Penmetsa<br>Emmanuel Adanu<br>Peter Rentfrow<br>Peter Harms<br>Samuel Gosling<br>Jeff Potter | 6:00PM<br>_<br>7:30PM | Convention<br>Center, Hall A | Associations between Regional<br>Variation in Self-Reported<br>Psychological Characteristics<br>and Automobile Fatality Rates | B302 |
|------|-------|--|-----------------------|------------------------------|---|------|
|------|-------|--|-----------------------|------------------------------|---|------|

# Tuesday, January 14, 2020

| Session<br>No. | Committee<br>Sponsor                 | Participants  | Time                    | Location                     | Title   | Board<br>No. |
|----------------|--------------------------------------|---|-------------------------|------------------------------|---|--------------|
| 1418           | AFH40                                | Felipe Araya<br>Kasey Faust<br>Nabeel Khwaja<br>William O'Brien<br>Xiaopeng Liang<br>Mohamed Bur                          | 8:00AM<br>-<br>9:45AM   | Convention<br>Center, Hall A | Estimation of Preliminary<br>Engineering Efforts of Bridge<br>Replacement Projects:<br>Exploring a Quantitative and<br>Qualitative Mixed Approach | B304         |
| 1479           | A0040T<br>AD000(1)<br>ADC70<br>ADC80 | Ty Wellik   | 10:15AM<br>-<br>12:00PM | Convention<br>Center, Hall A | Utility-transit Nexus:<br>Leveraging Intelligently<br>Charged Electrified Transit to<br>Support a Renewable Energy<br>Grid                        | B386         |
| 1480           | ABC10                                | Henrik Becker<br><br>Krishna M. Gurumurthy<br>Kara Kockelman<br><br>Kay Axhausen  | 10:15AM<br>_<br>12:00PM | Convention<br>Center, Hall A | Impact of Vehicle Automation<br>and Electric Propulsion on<br>Production Costs for Mobility<br>Services Worldwide                                 | A253         |
| 1487           | ADC70                                | Ruohan Li<br>Kara Kockelman<br>Jooyong Lee  | 10:15AM<br><br>12:00PM  | Convention<br>Center, Hall A | Reducing Greenhouse Gas<br>Emissions from Long-Distance<br>Travel Business: How Far Can<br>We Go?   | A161         |
| 1488           | ADC80                                | Neil Quarles<br>Kara Kockelman  | 10:15AM<br>_<br>12:00PM | Convention<br>Center, Hall A | Americans' Plans for Acquiring<br>and Using Electric, Shared and<br>Self-Driving Vehicles   | A160         |
| 1491           | AFN30                                | Jussara Tanesi<br>Thanos Drimalas<br>Krishnan Chopperla<br>Mengsha Beyene<br>Jason Ideker<br>Haejin Kim<br>Luca Montanari | 10:15AM<br>-<br>12:00PM | Convention<br>Center, Hall A | Alkali-Silica Reaction:<br>nvention Divergence between  |              |



# Ahmad Ardani

| 1499 | AR050  | Korkut Kaynardag<br>Giuseppe Battaglia<br>Chi Yang<br>Salvatore Salamone          | 10:15AM<br><br>12:00PM | Convention<br>Center, Hall A | Experimental Investigation of<br>the Modal Response of a Rail<br>Span During and After Wheel<br>Passage                                   | A223 |
|------|--|---|------------------------|------------------------------|---|------|
| 1482 | ABC40<br>ABC10                               | Taehoon Lim<br>Zhanmin Zhang  | 1:30PM<br>-<br>3:15PM  | Convention<br>Center, Hall A | Identifying Critical Roadways:<br>Efficiency, Fairness, and<br>Robustness   | A258 |
| 1555 | AFK20  | Nazmus Sakib<br>Ramez Hajj<br>Rachel Hure<br>Ayah Alomari<br>Amit Bhasin          | 1:30PM<br>-<br>3:15PM  | Convention<br>Center, Hall A | Correlating Bitumen SARA<br>Fractions to Rheological<br>Indicators and Tensile Strength   | B347 |
| 1555 | AFK20  | Angelo Filonzi<br>Sang Ki Lee<br>Wellington Ferreira<br>Ramez Hajj<br>Amit Bhasin | 1:30PM<br>-<br>3:15PM  | Convention<br>Center, Hall A | A Micro-extraction Method for<br>Use with 4 mm Plate Geometry<br>in the Dynamic Shear<br>Rheometer to Evaluate Asphalt<br>Binder Rheology | B348 |
| 1556 | AFK20  | Ramez Hajj<br>Adam Ramm<br>Amit Bhasin<br>Michael Downer                          | 1:30PM<br>             | Convention<br>Center, Hall A | Microscopic Observations of<br>Cavitation Instability in Asphalt<br>Binders at Intermediate<br>Temperature                                | B338 |
| 1567 | AP020  | Natalia Zuniga-Garcia<br>Randy Machemehl  | 1:30PM<br>-<br>3:15PM  | Convention<br>Center, Hall A | Dockless Electric Scooters and<br>Transit Use in an<br>Urban/University Environment   | A222 |
| 1567 | AP020  | Krishna M. Gurumurthy<br>Felipe de Souza<br>Annesha Enam<br>Joshua Auld           | 1:30PM<br>-<br>3:15PM  | Convention<br>Center, Hall A | Large-Scale Simulation of<br>Shared Autonomous Vehicles:<br>Integrating the Supply and<br>Demand Perspectives                             | A224 |
| 1567 | AP020  | Krishna M. Gurumurthy<br>Kara Kockelman<br>Natalia Zuniga-Garcia                  | 1:30PM<br>_<br>3:15PM  | Convention<br>Center, Hall A | First-Mile-Last-Mile Collector-<br>Distributor System Using<br>Shared Autonomous Mobility   | A223 |
| 1622 | ABC10<br>ABE30<br>ADD20<br>ADD50<br>ADD50(2) | Kaylyn Levine<br>Alex Karner  | 3:45PM<br>-<br>5:30PM  | Convention<br>Center, Hall A | Measuring Access to Public<br>Transit for People with<br>Disabilities using Detailed<br>Sidewalk Data                                     | A111 |
| 1629 | ADD20<br>ABC10<br>ABE30<br>ABE60<br>ADA60    | Alex Karner<br>Rafael Pereira   | 3:45PM<br>-<br>5:30PM  | Convention<br>Center, Hall A | Pitfalls in the Measurement of<br>Transport Inequalities and<br>Transport Poverty   | A110 |



| 1    | ADD50<br>ADD50(2)<br>AP025                |  |                       |                              |  |      |
|------|---|--|-----------------------|------------------------------|--|------|
| 1630 | ADD50<br>ABC10<br>ABE30<br>ADD20<br>ADD40 | Alex Karner<br>Kaylyn Levine   | 3:45PM<br>-<br>5:30PM | Convention<br>Center, Hall A | Beyond Quantitative Analysis:<br>Examining Equity Practices at<br>US Public Transit Agencies   | A100 |
| 1639 | ANB40                                     | Tiantian Chen<br>N.N. Sze<br>Shonhit Saxena<br>Abdul Pinjari<br>Chandra Bhat<br>Lu Bai | 3:45PM<br>_<br>5:30PM | Convention<br>Center, Hall A | Evaluation of Penalty and<br>Enforcement Strategies to<br>Combat Speeding Offences<br>among Professional Drivers: A<br>Hong Kong Stated Preference<br>Experiment | A206 |

#### Wednesday, January 15, 2020

| Session<br>No. | Committee<br>Sponsor | Participants  | Time                    | Location                     | Title  | Board<br>No. |
|----------------|----------------------|---|-------------------------|------------------------------|--|--------------|
| 1688           | ADB10                | Aupal Mondal<br>Chandra Bhat<br>Meagan Costey<br>Aarti Bhat<br>Teagan Webb<br>Tassio Magassy<br>Ram Pendyala<br>William Lam | 8:00AM<br>_<br>9:45AM   | Convention<br>Center, Hall A | How Do People Feel While<br>Walking? A Multivariate<br>Analysis of Emotional Well-<br>Being for Utilitarian and<br>Recreational Walking Episodes | A130         |
| 1688           | ADB10                | Irfan Batur<br>Shivam Sharda<br>Taehooie Kim<br>Sara Khoeini<br>Ram Pendyala<br>Chandra Bhat                                | 8:00AM<br>-<br>9:45AM   | Convention<br>Center, Hall A | Mobility, Time Poverty, and<br>Well-Being: How Are They<br>Connected and How Much Does<br>Mobility Matter?                                       | A131         |
| 1728           | ADB30<br>ADB10       | Priyadarshan Patil<br>Katherine Ross<br>Stephen Boyles  | 10:15AM<br>_<br>12:00PM | Convention<br>Center, Hall A | Convergence Behavior for<br>Traffic Assignment<br>Characterization Metrics   | A115         |
| 1734           | AHD20<br>AHD18       | Jorge Prozzi  | 10:15AM<br>_<br>12:00PM | Convention<br>Center, Hall A | Incorporating Laser Technlogy<br>for Automatically Adjusting<br>Binder Application Rates for<br>Seal Coat Design and<br>Construction             | B326         |
| 1483           | ABE20                | Rydell Walthall   | 2:30PM<br>_<br>4:00PM   | Convention<br>Center, Hall A | Economic Analysis of Freight<br>Corridors and Projects in Texas  | A189         |



THE UNIVERSITY OF TEXAS AT AUSTIN CENTER FOR TRANSPORTATION RESEARCH



# **Receptions and Special Events**

# Sunday, January 12, 2020

| Host                         | Name                              | Time               | Location   | Info   |
|------------------------------|-----------------------------------|--------------------|--|--|
| TRB                          | Careers in Motion Networking Fair | 10:00AM            | Convention Center, Hall A                                      |  |
|                              |                                   | -<br>2:00PM        |  |  |
| TRB                          | New Attendee Orientation          | 2:30PM-<br>4:00PM  | Convention Center,<br>Ballroom AB                              | Learn about the many opportunities available |
| TRB                          | Exhibit Hall Opening Reception    | 4:00PM-<br>7:00PM  | Convention Center, Hall<br>D&E                                 |  |
| Cal Berkley                  | Friends and Family Reception      | 5:30PM-<br>7:30PM  | Marriott Marquis, Liberty<br>Salon (M4)                        |  |
| UT CAEE/CTR                  | Friends and Family Reception      | 7:00PM-<br>8:30PM  | Marriott Marquis<br>Capital/Congress Room<br>(M4)              |  |
| Northwestern                 | Friends and Family Reception      | 8:00PM-<br>9:30PM  | Marriott Marquis, Univ. of<br>DC & Catholic Univ. Room<br>(M1) |  |
| Illinois                     | Friends and Family Reception      | 9:00PM-<br>11:00PM | Marriott Marquis, TBD  |  |
| TRB Young<br>Members Council | Young Professionals Reception     | 9:00PM-<br>10:30PM | Convention Center,<br>Ballroom<br>South Pre–Function C         | Networking                                   |

# Monday, January 13, 2020

| Host | Name                     | Time                  | Location   | Info   |
|------|--------------------------|-----------------------|--|--|
| ITE  | Student Member Reception | 6:00PM<br>-<br>8:00PM | ITE Office, 1627 Eye<br>Street NW, Suite 600,<br>Washington, DC<br>20006 | Student members and<br>non–members are<br>welcomed |

# Tuesday, January 14, 2020

| Host | Name  | Time                    | Location                      | Info   |
|------|---|-------------------------|-------------------------------|--|
| ҮМС  | The Six–Minute Pitch: A<br>Transportation Startup Challenge | 1:30 PM<br>-<br>3:15 PM | Convention Center,<br>Salon C | Student members and<br>non–members are<br>welcomed |

| UT         | Chapter Social | 8:00PM | Capitol City Brewing | Appetizers provided |
|------------|----------------|--------|----------------------|---------------------|
| TE/ITS/WTS | -              | -      | Company, 1100 New    |                     |
|            |                | 9:30PM | York Ave NW          |                     |

# Wednesday, January 15, 2020

THE UNIVERSITY OF TEXAS AT AUSTIN CENTER FOR TRANSPORTATION RESEARCH

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