



2019 TRB Annual Meeting: Tran-SET-Related Events

Schedule

Monday | January 14

8:00 –9:45 AM	
Lectern 1130	Incorporating Equity in Pedestrian Planning and Policy Convention Center, Salon C <i>Sustainable and Equitable Financing for Pedestrian Infrastructure Maintenance (19-01806)</i> Alexis Corning-Padilla, Gregory Rowangould University of New Mexico
Poster 1141	Management and Productivity Convention Center, Hall A <i>Recruitment, Retention, and Promotion for Careers at Transportation Agencies (19-01664)</i> Kristal Metro, Susan Bogus University of New Mexico Julia Hernandez Louisiana State University Christofer Harper Colorado State University Raghava Kommalapati, Doeun Choe Prairie View A&M University
Poster 1161	Applying New Data to Old Questions and Seeing Old Data in a New Light Convention Center, Hall A <i>Prediction of Distracted Driving Crash Severity with Multinomial Logistic Regression and Data Mining Algorithm (19-02387)</i> M. Ashifur Rahman, Xiaoduan Sun University of Louisiana at Lafayette
10:15 –12:00 PM	
Poster 1216	Advanced Research in Traffic Monitoring Convention Center, Hall A <i>Low Power Passive Infrared Sensing, Detection, and Traffic Parameters Estimation Module for Rural Roadways (19-04711)</i> Zachary Balcar, Ayetullah Bahadir Biten, Sara Ahmed, Samer Dessouky University of Texas at San Antonio Jerome Helffrich Southwest Research Institute
Poster 1229	Advances in Soil Stabilization Convention Center, Hall A <i>Laboratory Evaluation of Expansive Soils in Texas Stabilized with a Liquid Ionic Stabilizer (19-04138)</i> Xinbao Yu, Sandesh Gautam, Aritra Banerjee, Anand Puppala University of Texas at Arlington
Poster 1232	Structures Maintenance Convention Center, Hall A <i>Fit-In Glass Fiber Reinforced Polymer (GFRP) Profile Liner for Retrofit of Corroded Metal Culverts (19-2053)</i> Rahulreddy Chennareddy, Amr Riad, Susan Bogus, Mahmoud Reda Taha University of New Mexico <i>Flexural Behavior of a Prestressed Channel Girder with a Nonproprietary Ultra-High Performance Concrete Overlay (19-03631)</i> Mark Manning, Brad Weldon, Craig Newtonson New Mexico State University

1:30 –3:15 PM	
Poster 1309	<p>Performance Effectiveness of Crack and Joint Sealants Convention Center, Hall A</p> <p><i>Evaluation of Moisture Damage under Crack-Sealed Asphalt Pavements in Louisiana (19-02355)</i> Momen Ragab Mousa, Mostafa Elseifi Louisiana State University Zhongjie Zhang, Kevin Gaspard Louisiana Department of Transportation and Development</p>
6:00 –7:30 PM	
Lectern 1379	<p>Novel Techniques for Reinforcing Cementitious Materials Convention Center, 207B</p> <p><i>Investigation of the Mechanical Properties of Engineered Cementitious Composites with Low Fiber Content and with Crumb Rubber and High Fly Ash Content (19-02368)</i> Hassan Noorvand, Gabriel Arce, Marwa Hassan, Louay Mohammad Louisiana State University Tyson Rupnow Louisiana Department of Transportation and Development</p> <p><i>Feasibility of Low Fiber Content PVA-ECC for Jointless Pavement Application (19-05046)</i> Hassan Noorvand, Gabriel Arce, Marwa Hassan, Nirmal Dhakal Louisiana State University Tyson Rupnow, Jose Milla Louisiana Department of Transportation and Development</p>

Tuesday | January 15

8:00 –9:45 AM	
Lectern 1403	<p>Properties of Concrete: Innovative Materials Convention Center, 202A</p> <p><i>Behavior Study of Ultra-High Performance Concrete (UHPC) using Local Materials as an Overlay for Bridge Decks (19-01789)</i> Andres Alvarez, Ahmed Al-Basha, William Toledo, Leticia Davila, Turki Alahmari, Craig Newton, Brade Weldon New Mexico State University</p>
Poster 1435	<p>Current Issues in Resource Conservation and Recover Convention Center, Hall A</p> <p><i>Innovative Approach to Utilize Speed Control Bump to Harvest Kinetic Energy from Roadway Pavement (19-03450)</i> Mohammadreza Ghlikhani, Seyed Ahmid Tahami, Samer Dessouky, Arturo Montoya University of Texas at San Antonio Lubinda Walubita Texas A&M University</p>
1:30 –3:15 PM	
Poster 1556	<p>Modeling and Evaluation of Pavement Structures Convention Center, Hall A</p> <p><i>Mechanistic Empirical Estimation of Remaining Service Life of Flexible Pavements Based on Simple Deflection Parameters (19-02262)</i> Karthikeyan Loganathan, Ana Maria Coca, Stefan Romanoschi University of Texas at Arlington Mayzan Isied, Mena Souliman University of Texas at Tyler Samer Dessouky University of Texas at San Antonio</p> <p><i>Development of Comprehensive Deflection Parameters to Evaluate the Structural Capacity of Flexible Pavements at the Network Level (19-02271)</i> Karthikeyan Loganathan, Ana Maria Coca, Stefan Romanoschi University of Texas at Arlington Mayzan Isied, Mena Souliman University of Texas at Tyler Samer Dessouky University of Texas at San Antonio</p>
Poster 1558	<p>Asphalt Binder Aging, Low Temperature Testing, High Temperature Testing, Creep Recovery, Fatigue, and Other Topics Convention Center, Hall A</p>

	<i>Evaluation of Degradation of SBS Modified Asphalt Binder due to RTFO, PAV, and UV Aging using a Novel Extensional Deformation Test (19-03123)</i> Roksana Hossain, Nazimuddin Wasiuddin Louisiana Technological University
	<i>Quantification of Effects of Nanoclays on Chemical Compositions and Selected Mechanical Properties of Asphalt Binder and Aggregate Systems (19-04147)</i> Mohammad Hassan, Zahid Hossain Arkansas State University Gaylon Baumgardner Paragon Technical Services, Inc.
Poster 1564	Highway-Rail Grade Crossing Research Convention Center, Hall A <i>Market Basket Analysis of Safety Active Highway-Railroad Grade Crossing (19-05698)</i> William Saunders, Julius Codjoe Louisiana Department of Transportation and Development Saleh Mousa Louisiana State University Grace Ashley University of Louisiana at Lafayette
3:00 – 5:30 PM	
Poster 1623	Asphalt Binder: Modifiers, recycling, and Rejuvenation Convention Center, Hall A <i>Rheological Properties of Asphalt Binder Modified with Recycled Asphalt Materials (RAS/RAP) and Light-Activated Self-Healing Polymers (19-03968)</i> Sharareh Shirzad, Marwa Hassan, Max Aguirre, Louay Mohammad, Ioan Negulesco Louisiana State University Samuel Cooper Louisiana Department of Transportation and Development
Poster 1624	Additives, Fibers, and Biobinder in Asphalt Mixtures Convention Center, Hall A <i>Laboratory Testing of Self-Healing Fibers in Asphalt Mixtures Prepared with Recycled Materials (19-01983)</i> Max Aguirre, Marwa Hassan, Sharareh Shirzad, Louay Mohammad, Ioan Negulesco Louisiana State University Samuel Cooper Louisiana Department of Transportation and Development

Wednesday | January 16

8:00 – 9:45 AM	
Lectern 1681	Slurry Seals, Micro Surfacing, and Emulsion Convention Center, 206 <i>Optimizing the Performance of Microsurfacing Treatments in Flexible Pavements and Assessing its Effects on Moisture Damage (19-02054)</i> Mohmmad Bashar, Mostafa Elseifi, Momen Ragab Mousa Louisiana State University Zhongjie Zhang, Kevin Gaspard Louisiana Department of Transportation and Development
10:15 – 12:00 PM	
Lectern 1717	Workforce Development and Training for Transportation's Smart, Sustainable, and Equitable Future Convention Center, 150B <i>Smart Management of Transportation Infrastructure: Engaging High School Students by Designing, Building, and Using Low-cost Sensors (19-02637)</i> Fernando Moreu, Su Zhang, Emmanuale Vorinde, Rhytham Soni, Ali Irmak Zodagli, Bideng Liu University of New Mexico Juliet Struge Sandia High School