Ohio Attendee Guide to the 94th TRB Annual Meeting

Sunday, January 11

9:00AM - 12:00PM
Convention Center, 152A
Workshop 104: Using Knowledge Management as Tool for Successful Succession Planning
Knowledge Elicitation at the World Bank (#1 of 4)
Denise A. D. Bedford
Kent State University

9:00AM - 12:00PM
Convention Center, 145A
Workshop 114: Advancing the Statewide Transportation Planning and Analysis: Statewide Dynamic Traffic Assignment (DTA) and Agent-Based Models (ABM)
Panel Discussion on “Statewide Modeling Needs and Research Paths” (#8 of 8)
Gregory Giaimo
Ohio Department of Transportation

9:00AM - 12:00PM
Convention Center, 145B
Workshop 118: Geospatial Tools and Applications to Optimize Multidiscipline and Multi-Jurisdictional Decision Making
Elizabeth B. Rushley (presiding)
Lawhon & Associates, Inc.
Welcome and Introduction (#1 of 5)
Elizabeth B. Rushley
Lawhon & Associates, Inc.

9:00AM - 12:00PM
Convention Center, 207B
Workshop 123: International Experience and Perspective of Pavement Texture Measurements and Evaluation
Brian L. Schleppi (presiding)
Ohio Department of Transportation
Monday, January 12

8:00AM - 9:45AM
Convention Center, 204B
Session 208: Pavement Materials and the Urban Climate: Technologies Worthy of Future Consideration, Part 1 (Part 2, Session 306) (Lectern Session)
Spectroscopic Ellipsometry Measurement of Spectrum-Dependent Refraction Index of Thermochromic Asphalt Binder (#3 of 4)
Jianying Hu
Case Western Reserve University
Xiong Yu
Case Western Reserve University

8:00AM - 9:45AM
Convention Center, 102A
Session 222: Exploring Factors in Motorcycle Crashes, Injuries, and Fatalities (Lectern Session)
Contributing Factors to Fatal Single Unit Motorcycle Crashes (#4 of 5)
Brandon A. Stakleff
University of Akron
William A. Holik
University of Akron
Alexander R. Maistros
University of Akron
William Henry Schneider
University of Akron

1:30PM - 4:30PM
Convention Center, 145B
Workshop 158: Beyond the Barrier: Consideration of Transportation-Related Noise Mitigation for Historic Properties and Native American Cultural Sites
Reduce the Noise/Save the View: Traffic Noise Mitigation for the National Register-listed Shiloh Baptist Church in Columbus, Ohio (#1 of 7)
Karel Cubick
MS Consultants, Inc.
Erica L Schneider
Ohio Department of Transportation

1:30PM - 4:30PM
Convention Center, 206
Workshop 172: Emerging and Implementation-Ready Technologies to Control Cracking of Concrete Transportation Infrastructure, Part 2 (Part 1, Session 128)
Reducing Bridge Parapet Cracking (#4 of 4)
Norbert Joseph Delatte
Cleveland State University

6:00PM - 8:00PM
Marriott Marquis, Monument (M4)
Transportation System Policy, Planning and Process Section Executive Board
Elizabeth B. Rushley (presiding)
Lawhon & Associates, Inc.
8:00AM - 12:00PM
Marriott Marquis, George Washington University (M1)
Subsurface Soil-Structure Interaction Committee
  Kevin White (presiding)
  E. L. Robinson Engineering

8:30AM - 10:15AM
Convention Center, Hall E
Session 236: Advances in Pavement Management Systems
(Poster Session)
(F26) Simple Prioritization Approach for Rehabilitation and Preventive Maintenance of Pavement Projects
   Ala Rebhi Abbas
   University of Akron

8:30AM - 10:15AM
Convention Center, Hall E
Session 237: Construction Management: Recent Advances
(Poster Session)
(H03) Alternative Technical Concept Submittal and Evaluation Procedures
   Ghada M. Gad
   Bowling Green State University
(F04) Program Risk Management Approach to Reducing Cost Uncertainty in Highway Projects
   Craig R. Wilson
   Parsons Brinckerhoff

8:30AM - 10:15AM
Convention Center, Hall E
Session 239: Accelerating Project Delivery by Using Alternative Contracting Methods
(Poster Session)
   Ghada M. Gad (presiding)
   Bowling Green State University
(H07) Effective Policies and Procedures for Successfully Implementing Alternative Technical Concepts
   Ghada M. Gad
   Bowling Green State University
(H09) Quality Management Approach Trends in State Design-Build Transportation Projects
   Ghada M. Gad
   Bowling Green State University
   Simon A. Adamtey
   Bowling Green State University

10:15AM - 12:00PM
Convention Center, 207A
Session 273: Risk Management in Construction: You Cannot Ignore It!
(Lectern Session)
   Ghada M. Gad (presiding)
   Bowling Green State University

10:15AM - 12:00PM
Convention Center, 202A
Session 278: Analysis and Modeling in Asset Maintenance/Management (Lectern Session)
Transportation Cross Asset Project Coordination Using Integer Programming and Constraint Programming (#1 of 3)
   Shuo Wang
   University of Toledo
   Eddie Yein-Juin Chou
   University of Toledo
10:15AM - 12:00PM  
Convention Center, 143A  
**Session 292: Impacts of Airline Consolidation on Airport System Planning**  
(Lectern Session)  
Overview and Analytical Trend of Airline Consolidation: Corollary Effects on Commercial Service Airports (#1 of 4)  
Isaac Richmond Nettey  
Kent State University  
Effects of Airline Industry Changes on Small and Non-Hub Airports (#2 of 4)  
Russell W. Mills  
Bowling Green State University  

10:45AM - 12:30PM  
Convention Center, Hall E  
**Session 298: New Approaches and Strategies for Infrastructure Management**  
(Poster Session)  
(A14) Integrated Optimization Model for Network-Level Transportation Cross-Asset Preservation  
Shuo Wang  
University of Toledo  
Eddie Yein-Juin Chou  
University of Toledo  

10:45AM - 12:30PM  
Convention Center, Hall E  
**Session 306: Pavement Materials and the Urban Climate: Technologies Worthy of Future Consideration, Part 2 (Part 1, Session 208)**  
(Poster Session)  
(J01) Outdoor Evaluation of Performance of Thermochromic Asphalt Concrete in Modulating Pavement Surface Temperature  
Jianying Hu  
Case Western Reserve University  
Xiong Yu  
Case Western Reserve University  

10:45AM - 12:30PM  
Convention Center, Hall E  
**Session 308: Advances in Concrete for Transportation**  
(Poster Session)  
(H20) Mechanical and Microstructure Characterizations of Geopolymer Mortars Containing Industrial Waste Materials  
Jianying Hu  
Case Western Reserve University  
Xiong Yu  
Case Western Reserve University  
Emily Duewiger  
Case Western Reserve University  

10:45AM - 12:30PM  
Convention Center, Hall E  
**Session 320: Factors Affecting Transit Mode Choice and Ridership**  
(Poster Session)  
(E20) City Centers and Rapid Transit Ridership  
Sharat Kalluri  
CDM Smith
10:45AM - 12:30PM
Convention Center, Hall E
Jamie Snow
AECOM Consult Inc.

1:30PM - 5:30PM
Marriott Marquis, Marquis Ballroom Salon 2 (M2)
Project Delivery Methods Committee
RNS funded, Ohio DOT champion

1:30PM - 5:30PM
Marriott Marquis, Liberty I (M4)
Technology Transfer Committee
Ahead of the Curve: Mastering the Management of Transportation Research Programs
Cynthia Gerst
Ohio Department of Transportation

1:30PM - 3:15PM
Convention Center, 204C
Session 339: Damage, Repair and Damage Prevention in Concrete Bridges (Lectern Session)
Cracking Behavior of Three Span Structural Slab Bridge Decks (#3 of 4)
Anil Kumar Patnaik
University of Akron
Prince Baah
University of Akron
Perry Ricciardi
Ohio Department of Transportation
Waseem Khalifa
Ohio Department of Transportation

1:30PM - 3:15PM
Convention Center, 206
Session 346: Case Studies on Use of Buried Structures for Accelerated Bridge Construction (Lectern Session)
Case Study on Use of Buried Bridge for Rapid Construction in Ohio (#4 of 4)
Kevin White
E. L. Robinson Engineering

1:30PM - 5:30PM
Marriott Marquis, Marquis Ballroom Salon 8 (M2)
Simulation and Measurement of Vehicle and Operator Performance Committee
Jacqueline Jenkins
Cleveland State University
2:00PM - 3:45PM
Convention Center, Hall E
Session 374: Applications for Small-Area American Community Survey and Census Transportation Planning Package Data: New Data, New Challenges (Poster Session) (F25)
Use of Time of Arrival at Work Data for DTA and Other Subdaily Travel Models
Sam Granato
Ohio Department of Transportation

2:00PM - 3:45PM
Convention Center, Hall E
Session 371: Not Your Mother's Parking Meter: Parking in the 21st Century (Poster Session) (D08)
Minimizing Parking Search Time on Urban University Campuses through Proactive Class Assignment
Ali Moradkhany
University of Akron
Ping Yi
University of Akron
Ibrahem Mahmoud Shatnawi
University of Akron

2:00PM - 3:45PM
Convention Center, Hall E
Session 377: Information Technology Applications in Transportation 2015 (Poster Session) (E17)
Modeling Visit Probabilities within Network Time Prisms Using Continuous-Time Semi-Markov Techniques
Ying Song
The Ohio State University
Harvey J. Miller
The Ohio State University

2:00PM - 3:45PM
Convention Center, Hall E
Session 386: Data-Driven Safety Management: Multidisciplinary Approach (Poster Session) (H05)
Integrating Self-Organizing Maps into Road Safety Benchmarking to Provide Improvement Paths: DEA-Based Kohonen Network Approach
Deborah McAvoy
Ohio University, Athens

3:45PM - 5:30PM
Convention Center, 204C
Session 414: Managing Different Risks in Bridge Maintenance (Lectern Session)
Icing Management on the Veterans' Glass City Skyway Stay Cables (#1 of 5)
Clinton Mirto
University of Toledo
Ahmed Abdeel
University of Toledo
Douglas Karl Nims
University of Toledo
Tsun-Ming Ng
University of Toledo
Victor J. Hunt
University of Cincinnati
Arthur J. Helmicki
University of Cincinnati
3:45PM - 5:30PM
Convention Center, 102A
Session 418: Evaluation of Automated Enforcement Programs, Police Officer Safety, and Accuracy of Crash Reports (Lectern Session)
A preliminary investigation of contributing circumstances of fatal crashes involving law enforcement officers. (#2 of 5)
Alexander R. Maistros
University of Akron
William Henry Schneider
University of Akron

3:45PM - 5:30PM
Convention Center, 143B
Session 421: Tell Me About It! Real-time Customer Feedback to Improve Transit System Performance (Lectern Session)
In Pursuit of the Happy Transit Rider: Dissecting Satisfaction Using Daily Surveys and Tracking Data (#1 of 5)
Rabi G. Mishalani
The Ohio State University

3:45PM - 5:30PM
Convention Center, 147B
Session 424: The Future of Domestic Intermodal Freight Transportation (Lectern Session)
Domestic Intermodal Panel Discussion (#1 of 1)
Matthew Dietrich
Ohio Rail Development Commission

3:45PM - 5:30PM
Convention Center, 150A
Session 431: FHWA: Leadership in Innovation (Lectern Session)
Leadership in Innovation Panelists (#1 of 1)
Greg Nadeau
FHWA

3:45PM - 5:30PM
Marriott Marquis, Independence A (M4)
Statewide Travel Demand Forecasting Joint Subcommittee of ADA10, ADB40
Gregory Giaimo (presiding)
Ohio Department of Transportation

4:15PM - 6:00PM
Convention Center, Hall E
Session 437: Latest Research in Metropolitan Policy, Planning, and Processes (Poster Session) (D14)
Accessibility Planning in American Metropolitan Areas: Are We There Yet?
Harvey J. Miller
The Ohio State University
Tuesday, January 13

8:00AM - 9:45AM
Convention Center, 151A
Session 485: Passing the Torch in State Departments of Transportation: Innovation in Asset Management through Leadership Transitions (Lectern Session)
Knowledge Management Perspectives on Active Succession Management (#1 of 6)
Denise A. D. Bedford
Kent State University

8:00AM - 9:45AM
Convention Center, 152A
Session 489: Transportation Means Access: Can Everyone Get There? Eleventh Annual Travel Data Users Forum (Lectern Session)
Panel Discussion (#2 of 3)
Michael John Widener
University of Cincinnati

8:00AM - 9:45AM
Convention Center, 140B
Session 493: Accessibility, Commuting, and Income Dynamics (Lectern Session)
Examining Changes in Commuting Metrics Across 25 U.S. Cities over a Two-Decade Period: Updating Horner’s 1990 Excess Commuting Results (#3 of 4)
Daniel Schleith
University of Cincinnati
Michael John Widener
University of Cincinnati
Session 495: Hydraulics Research for Runoff, Scour, and Erosion (Lectern Session)
Streamlining of Bridge Piers as Scour Countermeasures: Optimization of Cross Sections (#1 of 4)
Junliang Tao
University of Akron
Junhong Li
University of Akron
Streamlining of Bridge Piers as Scour Countermeasures: Effects of Curvature of Vertical Profiles (#2 of 4)
Junliang Tao
University of Akron
Junhong Li
University of Akron

Session 501: Innovations in Bridge Construction (Lectern Session)
Ironton-Russell Bridge Structural Health Monitoring System: Phase 1 (#4 of 4)
Fan Zhang
University of Cincinnati
Mehdi Norouzi
University of Cincinnati
Victor J. Hunt
University of Cincinnati
Arthur Helmicki
University of Cincinnati

Session 507: Pavement Maintenance: Patching and Repair Part 1 (Lectern Session)
Evaluation of the Use of Infrared Asphalt Heater/Reclaimer System for Winter Pothole Patching (#1 of 4)
Munir D. Nazzal
Ohio University, Athens
Sang-Soo Kim
Ohio University, Athens
Ala Rebhi Abbas
University of Akron

Session 519: Freight Day, Part 1: Consumer Preference and Manufacturing Effects on Corridors (Part 2, Session 580; Part 3, Session 634; Part 4, Session 705) (Lectern Session)
Research Perspective on Electronic Retail Logistics (#4 of 4)
Thomas Goldsby
The Ohio State University

Session 522: Adoption of Light-Emitting Diode Lighting by Airports: Planning and Design Issues (Lectern Session)
Isaac Richmond Nettey (presiding)
Kent State University
Adoption of LED Lighting at CLE: Four Years Beyond Planning, Design, and Implementation (#2 of 5)
Fred Szabo
Cleveland Hopkins International Airport
8:00AM - 12:00PM
Marriott Marquis, Dogwood (Mezz)
Engineering Geology Committee (Practice Ready Papers)
Full-Scale Testing and Performance Evaluation of Rockfall Concrete Barriers (#1 of 1)
  Anil Kumar Patnaik
  University of Akron
  Abdisa Musa
  University of Akron
  Srikanth Marchetty
  University of Akron
  Robert Liang
  University of Akron

10:15AM - 12:00PM
Convention Center, 204B
Session 556: UAS - The Saga
Dialogue Continues - Feasibility of Utilizing UAS Technology at the DOTs (Lectern Session)
Ohio DOT Breaking Through the UAS Barriers (#2 of 4)
  Tony Williams
  Ohio Department of Transportation
  Rachel Lewis
  Ohio Department of Transportation

10:15AM - 12:00PM
Convention Center, 151A
Session 550: Traffic Data Collection and Analysis (Lectern Session)
Assigning Short-Term Counts To Seasonal Adjustment Factor Groups Using Support Vector Machines (SVM) (#1 of 4)
  William Henry Schneider
  University of Akron

10:15AM - 12:00PM
Convention Center, 145A
Session 552: Developing Truck Origin-Destination Flows from GPS Data (Lectern Session)
  Gregory Giaimo (presiding)
  Ohio Department of Transportation

10:15AM - 12:00PM
Convention Center, 140A
Session 569: Seeing Around the Curve: Anticipating and Managing Legal Risk in the National Environmental Policy Act Process (Lectern Session)
  Panel Discussion (#1 of 1)
  Timothy M. Hill
  Ohio Department of Transportation
  James J. Bednar
  MS Consultants, Inc.
Session 586: Current Issues in Transportation Energy (Poster Session)
(D22) Connecting Household Socioeconomics and Travel Carbon Footprint: Empirical Results from High-Resolution GPS Household Travel Survey
   Andrew Rohne
   Ohio-Kentucky-Indiana Regional Council of Governments
   Hao Liu
   University of Cincinnati
   Zhuo Yao
   University of Cincinnati
   Heng Wei
   University of Cincinnati
   Jonathan Corey
   University of Cincinnati

Session 592: Highway Capacity Analysis for Interrupted Facilities (Poster Session)
(K07) Optimal Discharge Speed and Queue Discharge Headway at Signalized Intersections
   Lijun Gao
   University of Toledo
   Bhuiyan Monwar Alam
   University of Toledo

Session 596: Current Issues in Aviation (Poster Session)
(E10) Airport Infrastructure Investment: Strategic Interaction or Strategic Allocation?
   Jeffrey J. Eloff
   University of Toledo

Session 637: Critical Transportation Infrastructure Protection (Poster Session)
(C06) Impacts of Disrupted Road Networks in Siting Relief Facility Locations: Case Study for Leon County, Florida
   Michael John Widener
   University of Cincinnati

Session 601: Emerging Technologies and Methods for Travel Data (Lectern Session)
   Rebekah Anderson (presiding)
   Ohio Department of Transportation

Session 650: Current Issues in Bridge Management (Poster Session)
(F10) Rethinking Bridge Scour Detection Using the Natural Frequency: Numerical Insights
   Ye Sun
   Case Western Reserve University
Session 651: Transformative Transit Data Research and Applications (Poster Session) (E08)

Rabi G. Mishalani
The Ohio State University
Mark R. McCord
The Ohio State University

Session 656: Public Transportation Marketing and Fare Policy (11) (Poster Session) (F15)
Effect of Real-Time Passenger Information Systems on Perceptions of Transit’s Favorable Environmental and Traffic Reduction Roles

Mark R. McCord
The Ohio State University
Rabi G. Mishalani
The Ohio State University

Session 680: Pavement Surface Condition: New Approaches (Lectern Session)
Roughness Index Measured With Line Laser and Triple Point Laser in Textured and Non-textured Strips (#3 of 4)

Jed Ohiremen Izevbekhai
Case Western Reserve University

Session 725: Performance of Buried Culverts (Poster Session) (presiding)

Junliang Tao
University of Akron
Wednesday, January 14

7:00AM - 8:00AM
Marriott Marquis, L’Enfant Plaza (M3)
Research Subcommittee, ABJ00(1)
Harvey J. Miller (presiding)
The Ohio State University

Session 727: Emerging Issues in Structures Maintenance and Bridge Management (Poster Session)
(K03) Design and Performance Evaluation of a Spiral TDR Scour Sensor
Quan Gao
Case Western Reserve University
Xiong Yu
Case Western Reserve University

8:30AM - 10:15AM
Convention Center, Hall E
Session 785: Travel Demand Models R Us Poster Session (Poster Session)
(C20) Design and Performance Evaluation of a Spiral TDR Scour Sensor
Quan Gao
Case Western Reserve University
Xiong Yu
Case Western Reserve University

7:00AM - 8:00AM
Convention Center, Hall E
Session 760: Innovative Transportation Workforce Development Models (Lectern Session)
Victoria F. Beale (presiding)
The Ohio State University

8:30AM - 9:45AM
Convention Center, 152B
Session 750: Assessment of Traffic Control and Motorist Speed Selection in Work Zones (Poster Session)
(C05) Motorists’ Speed Response to Non-Variable and Variable Work Zone Speed Limits and Other Work Zone Conditions
Deborah McAvoy
Ohio University, Athens
Jacqueline M. Jenkins
Cleveland State University

7:30PM - 9:30PM
Convention Center, Hall E
Session 750: Assessment of Traffic Control and Motorist Speed Selection in Work Zones (Poster Session)
(C05) Motorists’ Speed Response to Non-Variable and Variable Work Zone Speed Limits and Other Work Zone Conditions
Deborah McAvoy
Ohio University, Athens
Jacqueline M. Jenkins
Cleveland State University

14 — Tuesday—Wednesday—
Thursday, January 15

8:30AM - 10:15AM
Convention Center, Hall E
Session 786: Contemporary Research in Land Use and Transportation Planning (Poster Session)
(F07) Influences of Neighborhood Characteristics and Personal Attitudes on University Commuters' Public Transit Use
Mi Namgung
The Ohio State University
Gulsah Akar
The Ohio State University
(E08) How Do Commuting and Jobs-Housing Patterns Differ for Those Closer to Retirement? Analysis of Land Use-Transportation Relationships in Five Florida Metropolitan Regions
Daniel Schleith
University of Cincinnati
Michael John Widener
University of Cincinnati

10:15AM - 12:00PM
Marriott Marquis, Archives (M4)
Aviation System Planning Committee
Seth Bennett Young (presiding)
The Ohio State University

8:30AM - 10:15AM
Convention Center, Hall E
Session 789: Highway Safety Performance (Poster Session)
(I22) Strength of the Variable: Calculating and Evaluating Safety Performance Function Calibration Factors for the State of Ohio
Derek A Troyer
Ohio Department of Transportation
Cindy Juliano
CH2M Hill
Sarah El-Dabaja
Ohio University, Athens
Deborah McAvoy
Ohio University, Athens