

# TENNESSEE ENGINEERS' CONFERENCE 2025 AGENDA

TIME / TRACK	TOPIC / SPEAKER(S)	ROOM
<b>MONDAY, SEPTEMBER 15, 2025</b>		
<b>8:30 am - 9:45 am</b>	<b>Creating A Go-To Workplace Culture</b>   Doc Holliday ( <i>Trish Holliday, PhD, Holliday-Kenning</i> )   <b>OPENING GENERAL SESSION</b>	Ballroom
<b>9:45 am - 10:15 am</b>	<b>BREAK WITH EXHIBITORS</b>	
<b>10:15 am - 11:05 am</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION ONE</b>	
Engineering Management	<b>Designing Your Firm for the Modern Workforce: Moving Beyond the Era of ‘More for Less’</b>   Peter Atherton ( <i>ActionsProve, LLC</i> )	Morgan
Civil & Environmental	<b>Updates to Federal &amp; State Wetland Regulations</b>   Jonathan Hopkins ( <i>Terracon Consultants</i> )	Franklin
Transportation - Civil	<b>Rebuilding Second Avenue</b>   Harrison Turner ( <i>Kimley-Horn</i> ), Kelli Huff (MDHA)	Mustang
Geotechnical	<b>Site-Specific Ground Motion Response Analysis for Bridges in Western Tennessee</b>   Shahram Pezeshk ( <i>The University of Memphis</i> )	Williamson
Electrical, Mechanical & Industrial	<b>Domestic Hot Water Heating with Steam for a Hotel on the Nashville District Energy System</b>   Kevin Jacobs ( <i>Thermal Engineering Group</i> )	Clydesdale
<b>11:10 am - 12:00 pm</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION TWO</b>	
Engineering Management	<b>“Did You Get What You Thought You Got?” Contract Pitfalls for Engineers</b>   Zach Jones ( <i>Engineers’ Joint Documents Committee</i> )	Morgan
Civil & Environmental	<b>Pond retro-fitting using the Automated Outlet Structure (AOS)</b>   Jon Rasmussen ( <i>Flood-Con LLC</i> )	Franklin
Transportation - Structural	<b>Bridge Load Rating &amp; Posting Update</b>   Ted Kniazewycz ( <i>Tennessee Department of Transportation</i> )	Mustang
Transportation	<b>Preparing Construction Project Bundles Using AI</b>   Joseph Shrestha, David Iyiola ( <i>ETSU</i> )	Williamson
Geotechnical	<b>Utilizing Geotechnical Testing to Provide Preliminary Design Parameters without Breaking Ground</b>   Nick Ratcliff ( <i>Terracon Consultants</i> )	Arabian
Electrical, Mechanical & Industrial	<b>Building Envelope 101</b>   Greg Isaacs ( <i>SSR</i> )	Clydesdale
<b>12:00 pm - 12:45 pm</b>	<b>NETWORKING LUNCH WITH EXHIBITORS</b>	
<b>12:45 pm - 1:45 pm</b>	<b>After the Storm: Converting Hurricane Helene’s Hard Lessons into Preparedness Wins</b>   Jamie Waller, moderator ( <i>Tennessee Department of Transportation</i> ); Kingsley McCallum ( <i>True North Emergency Management, a Neel-Schaffer company</i> ); Nichole Lehman ( <i>Thompson Consulting Services</i> ); John Lopez ( <i>Volkert</i> ); Gwen Whittaker ( <i>Tennessee Department of Transportation</i> )   <b>GENERAL SESSION</b>	Ballroom
<b>1:50 pm - 2:40 pm</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION THREE</b>	
Engineering Management	<b>Build Your Brand: A Workshop for Professional Firms</b>   Deborah Varallo ( <i>Varallo Public Relations</i> )	Morgan
Civil & Environmental	<b>Carlson Software-Importing Tennessee LiDAR and DEM Data</b>   Chris Hill ( <i>Carlson Equipment &amp; Software LLC</i> )	Williamson
Civil & Environmental - Transportation	<b>ASCE 38-22 – How the Update Fills in the Gaps in 38-02</b>   John Campbell ( <i>T2 Utility Engineers</i> )	Franklin
Transportation	<b>Local Programs &amp; Community Investments</b>   Steve Allen ( <i>Tennessee Department of Transportation</i> )	Mustang
Geotechnical / Structural	<b>Liquefaction</b>   Douglas Bell ( <i>TTL, Inc.</i> )	Arabian
<b>2:45 pm - 3:35 pm</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION FOUR</b>	
Engineering Management - Transportation	<b>SafeRoad Solutions: Explaining Innovative Road Designs to the Public</b>   Ed Green ( <i>C2 Strategic Communications</i> )	Morgan
Civil & Environmental	<b>Beyond the Surface: Transforming Land Development Through Innovative 3D Mapping</b>   Aaron Hutson ( <i>TWM, Inc.</i> )	Franklin
Transportation	<b>Paving the Way: How to turn project constraints into creativity</b>   Chris Rideout & Eric Brisse ( <i>Croy Engineering</i> )	Mustang
Geotechnical	<b>Updating a Legacy - Part 2: NAVFAC DM 7.2 Foundations and Earth Structures</b>   Daniel VandenBerge ( <i>Tennessee Tech</i> )	Clydesdale
Structural - Civil & Environmental	<b>What is Type 1L Cement and Why Should I Care?</b>   Alan Sparkman ( <i>Tennessee Concrete Association</i> )	Williamson
<b>3:35 pm - 4:05 pm</b>	<b>BREAK WITH EXHIBITORS</b>	
<b>4:10 pm - 5:00 pm</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION FIVE</b>	
Engineering Management	<b>Importance &amp; Ramifications of Settlement of Claims / Lawsuits</b>   David Garst ( <i>Lewis Thomason</i> ) & Dale Crow ( <i>Risk Strategies</i> )	Morgan
Civil & Environmental	<b>TDEC Update</b>   Angela Jones ( <i>Tennessee Department of Environment &amp; Conservation</i> )	Mustang
Civil - Transportation	<b>Artificial Intelligence to Compute Construction Project Cost Estimates</b>   Joseph Shrestha, Pritom Paul ( <i>ETSU</i> )	Franklin

Geotechnical	<b>Influence of a Moisture Management Geosynthetic on Unsaturated Soil Behaviour in Long-Life Pavement Foundations</b>   Matt Patton ( <i>Solmax</i> )	Clydesdale
Structural	<b>I-275 over Elm / Bernard Street Region ABC</b>   John Hastings ( <i>HDR</i> ) , Scott McKinney ( <i>Bell Construction</i> ) , Shep Stiles ( <i>Gresham Smith</i> ) , TDOT	Williamson
<b>5:00 pm - 6:30 pm</b>	<b>WELCOME RECEPTION</b>	
<b>TUESDAY, SEPTEMBER 16, 2025</b>		
<b>7:30 am - 8:30 am</b>	<b>BREAKFAST WITH EXHIBITORS</b>	
<b>8:30 am - 9:20 am</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION SIX</b>	
Engineering Management - Civil - Transportation	<b>Lessons Learned from 1000+ Engineers Trained on Bentley Platforms</b>   Danny Lazear & Mike Lazear ( <i>Archway Systems</i> )	Morgan
Civil & Environmental	<b>Ensuring Collaboration in Collaborative Project Delivery - e2i2 Wet Weather Equalization Stations: Chattanooga's First Progressive Design Build Project</b>   Craig Parker ( <i>Gresham Smith</i> ) , Steve Jay ( <i>Brasfield &amp; Gorrie</i> ) , Justin Bolender ( <i>Jacobs Engineering Group</i> ) , Elizabeth Goss ( <i>City of Chattanooga</i> )	Franklin
Electrical, Mechanical & Industrial / Civil & Environmental	<b>Test Burn of Renewable Diesel Fuel in a Simple Cycle Combustion Turbine</b>   Daniel Sipe ( <i>TVA</i> ) & Michael Varner ( <i>Merrick</i> )	Clydesdale
Transportation	<b>Latest ITS and Technologies for Improved Freight Transportation</b>   Stuart Samberg ( <i>RK&amp;K</i> )	Mustang
Structural	<b>Gone with the Wind Load: Tornado Edition</b>   Benjamin Clemons, Thomas Frankie & Fred Peters ( <i>Wiss, Janney, Elstner Associates, Inc.</i> )	Williamson
<b>9:25 am - 10:15 am</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION SEVEN</b>	
Engineering Management - Civil - Transportation	<b>Hope after Helene: Restoring Connectivity and Planning for the Future</b>   Jake Williams & Brian Ralstin ( <i>Benesch</i> )	Morgan
Transportation - Civil	<b>TDOT Aeronautics - State Aviation Asphalt Mix and Bituminous/Fuel Indexing Price Adjustments</b>   Christopher Starr & Adam Guy ( <i>Tennessee Department of Transportation</i> )	Mustang
Civil & Environmental	<b>Streamlining Success: Advanced Tools for Project Prioritization and Data Management in Nashville's Stormwater System</b>   Mike Perkins ( <i>Barge Design Solutions</i> )	Franklin
Structural	<b>Shear Me Timbers: Design of Wood Framed Shear Walls</b>   Gregory Gash ( <i>SSR</i> )	Williamson
Ethics	<b>Case Studies in Engineering Ethics</b>   Mike Bilderbeck ( <i>Pickering Firm</i> )	Arabian
<b>10:15 am - 10:45 am</b>	<b>BREAK WITH EXHIBITORS</b>	
<b>10:45 am - 11:35 am</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION EIGHT</b>	
Engineering Management	<b>Evolving Your Business and Practice Models: How "Net New Value" Drives Next-Level Success</b>   Peter Atherton ( <i>ActionsProve, LLC</i> )	Morgan
Civil & Environmental	<b>Addressing Myths about Concrete Pavements</b>   Amanda Hult ( <i>NRMCA / TCA</i> )	Clydesdale
Transportation	<b>"Weaving" Together Redevelopment &amp; Transportation</b>   Andrew Palmetter & Jason Carder ( <i>Mattern &amp; Craig</i> )	Mustang
Engineering Management - Civil & Environmental	<b>A Statewide Mining Engineering Program with Emphasis on Critical Minerals at Tennessee State University</b>   Dr. Amber Spears & Dr. Kate Requist-Brown ( <i>TSU</i> )	Arabian
Geotechnical - Structural	<b>Geotechnical Subsurface Investigations for Retaining Walls – A Retaining Wall Designer's Perspective</b>   Clint Hines ( <i>JC Hines &amp; Associates</i> )	Williamson
<b>11:35 am - 12:15 pm</b>	<b>NETWORKING LUNCH WITH EXHIBITORS</b>	
<b>12:15 pm - 1:10 pm</b>	<b>Town Hall Meeting with the A/E Board   GENERAL SESSION</b>	Ballroom
<b>1:10 pm - 1:45 pm</b>	<b>BREAK WITH EXHIBITORS</b>	
<b>1:45 pm - 2:35 pm</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION NINE</b>	
Engineering Management - Civil - Transportation	<b>Developments In Progressive Design-Build: Opportunities &amp; Challenges</b>   Zach Jones ( <i>Engineers Joint Contract Documents Committee</i> )	Morgan
Civil & Environmental	<b>Underground SandFilters - Fundamentals for Success</b>   Samantha Brown ( <i>Stormtrap</i> )	Franklin
Transportation	<b>Applied Mechanical Stabilization for Unpaved Roadways</b>   David Fuqua ( <i>Tensar - a Division of CMC</i> )	Clydesdale
Transportation	<b>Impacts of Roadway Design on ROW</b>   Dyan Damron ( <i>JMT</i> )	Mustang
Structural	<b>Structural Inspections of Signage - Why you don't want to forget about it once it's installed</b>   Rob Alley ( <i>Elrod Engineering, LLC</i> )	Williamson
<b>2:40 pm - 3:30 pm</b>	<b>PROFESSIONAL DEVELOPMENT - SESSION TEN</b>	
Engineering Management / Civil & Environmental	<b>Advancing Environmental Engineering Education and Transforming Construction Technology: New Initiatives at UT-Knoxville</b>   Chris Cox & Nick Zhou ( <i>UT Knoxville</i> )	Morgan
Civil & Environmental	<b>Revised &amp; Resized: What Engineers Need to Know About TDEC's Revised Erosion Prevention &amp; Sediment Control (EPSC) Handbook</b>   Hannah Riether ( <i>Tennessee Department of Environment &amp; Conservation</i> )	Franklin
Civil & Environmental	<b>Concrete Solutions: Sustainable Infrastructure Through Nutrient Reduction &amp; Precast Innovation</b>   Cyndi Glascock ( <i>Gainey's Concrete</i> )	Clydesdale
Transportation	<b>Challenges and Solutions to Utility Coordination in Tennessee Roadway Projects</b>   Peter Heren, Heath Sain, and John Mullen ( <i>Energy Land &amp; Infrastructure LLC</i> )	Mustang
Transportation	<b>Optimizing Adaptive Signal Control System Through Artificial Intelligence</b>   Therezia Matongo ( <i>TSU</i> )	Arabian