

TENNESSEE ENGINEERS' CONFERENCE

2025 AGENDA (*subject to change)

TIME / TRACK	TOPIC / SPEAKER(S)
MONDAY, SEPTEMBER 15, 2025	
7:30 am - 6:30 pm	Exhibit Hall Open
7:30 am - 8:30 am	CONTINENTAL BREAKFAST WITH EXHIBITORS
8:30 am - 9:45 am	Creating A Go-To Workplace Culture Doc Holliday (<i>Trish Holliday, PhD, Holliday-Kenning</i>) OPENING GENERAL SESSION
9:45 am - 10:15 am	BREAK WITH EXHIBITORS
10:15 am - 11:05 am	PROFESSIONAL DEVELOPMENT - SESSION ONE
Engineering Management	Designing Your Firm for the Modern Workforce: Moving Beyond the Era of ‘More for Less’ Peter Atherton (<i>ActionsProve, LLC</i>)
Civil & Environmental	Updates to Federal & State Wetland Regulations Jonathan Hopkins (<i>Terracon Consultants</i>)
Transportation - Civil	Rebuilding Second Avenue Harrison Turner (<i>Kimley-Horn</i>)
Geotechnical	Site-Specific Ground Motion Response Analysis for Bridges in Western Tennessee Shahram Pezeshk (<i>The University of Memphis</i>)
Electrical, Mechanical & Industrial	Domestic Hot Water Heating with Steam for a Hotel on the Nashville District Energy System Kevin Jacobs (<i>Thermal Engineering Group</i>)
11:10 am - 12:00 pm	PROFESSIONAL DEVELOPMENT - SESSION TWO
Engineering Management	“Did You Get What You Thought You Got?” Contract Pitfalls for Engineers Zach Jones (<i>Engineers' Joint Documents Committee</i>)
Civil & Environmental	Pond retro-fitting using the Automated Outlet Structure (AOS) Jon Rasmussen (<i>Flood-Con LLC</i>)
Transportation - Structural	Bridge Load Rating & Posting Update Ted Kniazewycz (<i>Tennessee Department of Transportation</i>)
Transportation	Preparing Construction Project Bundles Using AI Joseph Shrestha, David Iyiola (<i>ETSU</i>)
Geotechnical	Utilizing Geotechnical Testing to Provide Preliminary Design Parameters without Breaking Ground Nick Radcliff (<i>Terracon Consultants</i>)
Electrical, Mechanical & Industrial	Building Envelope 101 Greg Isaacs (<i>SSR</i>)
12:00 pm - 12:45 pm	NETWORKING LUNCH WITH EXHIBITORS

12:45 pm - 1:45 pm	After the Storm: Converting Hurricane Helene's Hard Lessons into Preparedness Wins 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>) GENERAL SESSION
1:50 pm - 2:40 pm	PROFESSIONAL DEVELOPMENT - SESSION THREE
Engineering Management	Build Your Brand: A Workshop for Professional Firms Deborah Varallo (<i>Varallo Public Relations</i>)
Civil & Environmental	Carlson Software-Importing Tennessee LiDAR and DEM Data Chris Hill (<i>Carlson Equipment & Software LLC</i>)
Civil & Environmental - Transportation	ASCE 38-22 – How the Update Fills in the Gaps in 38-02 John Campbell (<i>T2 Utility Engineers</i>)
Transportation	Local Programs & Community Investments Steve Allen (<i>Tennessee Department of Transportation</i>)
Geotechnical / Structural	Liquefaction Douglas Bell (<i>TTL, Inc.</i>)
2:45 pm - 3:35 pm	PROFESSIONAL DEVELOPMENT - SESSION FOUR
Engineering Management - Transportation	SafeRoad Soutions: Explaining Innovative Road Designs to the Public Ed Green (<i>C2 Strategic Communications</i>)
Civil & Environmental	Beyond the Surface: Transforming Land Development Through Innovative 3D Mapping (<i>TWM, Inc.</i>)
Transportation	Paving the Way: How to turn project constraints into creativity Chris Rideout & Eric Brisse (<i>Croy Engineering</i>)
Geotechnical	Updating a Legacy - Part 2: NAVFAC DM 7.2 Foundations and Earth Structures Daniel VandenBerge (<i>Tennessee Tech</i>)
Structural - Civil	What is Type 1L Cement and Why Should I Care? Alan Sparkman (<i>Tennessee Concrete Association</i>)
3:35 pm - 4:05 pm	BREAK WITH EXHIBITORS
4:10 pm - 5:00 pm	PROFESSIONAL DEVELOPMENT - SESSION FIVE
Engineering Management	Importance & Ramifications of Settlement of Claims / Lawsuits David Garst (<i>Lewis Thomason</i>) & Dale Crow (<i>Risk Strategies</i>)
Civil & Environmental	TDEC Update Angela Jones (<i>Tennessee Department of Environment & Conservation</i>)
Civil - Transportation	Artificial Intelligence to Compute Construction Project Cost Estimates Joseph Shrestha, Pritom Paul (<i>ETSU</i>)
Geotechnical	Influence of a Moisture Management Geosynthetic on Unsaturated Soil Behaviour in Long-Life Pavement Foundations Matt Patton (<i>Solmax</i>)
Structural	I-275 over Elm / Bernard Street Region ABC John Hastings (<i>HDR</i>) , Scott McKinney (<i>Bell Construction</i>) , Shep Stiles (<i>Gresham Smith</i>) , TDOT

5:00 pm - 6:30 pm	WELCOME RECEPTION
7:00 pm - 10:00 pm	CONFERENCE SOCIAL <i>(optional event - site TBD)</i>
TUESDAY, SEPTEMBER 16, 2025	
7:30 am - 1:45 pm	Exhibit Hall Open
7:30 am - 8:30 am	BREAKFAST WITH EXHIBITORS
8:30 am - 9:20 am	PROFESSIONAL DEVELOPMENT - SESSION SIX
Engineering Management - Civil - Transportation	Lessons Learned from 1000+ Engineers Trained on Bentley Platforms Danny Lazear & Mike Lazera <i>(Archway Systems)</i>
Civil & Environmental	Ensuring Collaboration in Collaborative Project Delivery - e2i2 Wet Weather Equalization Stations: Chattanooga's First Progressive Design Build Project Craig Parker <i>(Gresham Smith)</i> , Steve Jay <i>(Brasfield & Gorrie)</i> , Justin Bolender <i>(Jacobs Engineering Group)</i> , Elizabeth Goss <i>(City of Chattanooga)</i>
Electrical, Mechanical & Industrial / Civil & Environmental	Test Burn of Renewable Diesel Fuel in a Simple Cycle Combustion Turbine Daniel Sipe <i>(TVA)</i> & Michael Varner <i>(Merrick)</i>
Transportation	Latest ITS and Technologies for Improved Freight Transportation Stuart Samberg <i>(RK&K)</i>
Structural	Gone with the Wind Load: Tornado Edition Benjamin Clemons <i>(Wiss, Janney, Elstner Associates, Inc.)</i>
9:25 am - 10:15 am	PROFESSIONAL DEVELOPMENT - SESSION SEVEN
Engineering Management - Civil - Transportation	Hope after Helene: Restoring Connectivity and Planning for the Future Jake Williams & Brian Ralstin <i>(Benesch)</i>
Transportation - Civil	State Aviation Asphalt Mix and Bituminous/Fuel Indexing Price Adjustments Christopher Starr & Adam Guy <i>(Tennessee Department of Transportation)</i>
Structural - Geotechnical - Civil & Environmental	Small Footprint, Big Results – Expanding Allegheny County Sanitary Authority's Woods Run Wastewater Treatment Plant Capacity Matthew Over <i>(Schnabel Engineering)</i>
Structural	Shear Me Timbers: Design of Wood Framed Shear Walls Gregory Gash <i>(SSR)</i>
Ethics	Case Studies in Engineering Ethics Mike Bilderbeck <i>(Pickering Firm)</i>
10:15 am - 10:45 am	BREAK WITH EXHIBITORS
10:45 am - 11:35 am	PROFESSIONAL DEVELOPMENT - SESSION EIGHT
Engineering Management	Evolving Your Business and Practice Models: How “Net New Value” Drives Next-Level Success Peter Atherton <i>(ActionsProve, LLC)</i>
Civil & Environmental	Addressing Myths about Concrete Pavements Amanda Hult <i>(NRMCA / TCA)</i>

Transportation	"Weaving" Together Redevelopment & Transportation Andrew Palmeter & Jason Carder (<i>Mattern & Craig</i>)
Engineering Management - Civil & Environmental	A Statewide Mining Engineering Program with Emphasis on Critical Minerals at Tennessee State University Amber Spears (<i>TSU</i>)
Geotechnical - Structural	Geotechnical Subsurface Investigations for Retaining Walls – A Retaining Wall Designer's Perspective Clint Hines (<i>JC Hines & Associates</i>)
11:35 am - 12:15 pm	NETWORKING LUNCH WITH EXHIBITORS
12:15 pm - 1:10 pm	Town Hall Meeting with the A/E Board GENERAL SESSION
1:10 pm - 1:45 pm	BREAK WITH EXHIBITORS
1:45 pm - 2:35 pm	PROFESSIONAL DEVELOPMENT - SESSION NINE
Engineering Management - Civil - Transportation	Developments In Progressive Design-Build: Opportunities & Challenges Zach Jones (<i>Engineers Joint Contract Documents Committee</i>)
Civil & Environmental	Underground SandFilters - Fundamentals for Success Samantha Brown (<i>Stormtrap</i>)
Transportation	Applied Mechanical Stabilization for Unpaved Roadways David Fuqua (<i>Tensar - a Division of CMC</i>)
Transportation	Impacts of Roadway Design on ROW Dyan Damron (<i>JMT</i>)
Structural	Rebar for Constructability Robbie Hall (<i>Headed Reinforcement Corp</i>)
2:40 pm - 3:30 pm	PROFESSIONAL DEVELOPMENT - SESSION TEN
Engineering Management / Civil & Environmental	Advancing Environmental Engineering Education and Transforming Construction Technology: New Initiatives at UT-Knoxville Nick Zhou (<i>UT Knoxville</i>)
Civil & Environmental	Revised & Resized: What Engineers Need to Know About TDEC's Revised Erosion Prevention & Sediment Control (EPSC) Handbook Hannah Riether (<i>Tennessee Department of Environment & Conservation</i>)
Civil & Environmental	Concrete Solutions: Sustainable Infrastructure Through Nutrient Reduction & Precast Innovation Cyndi Glascock (<i>Gainey's Concrete</i>)
Transportation	Challenges and Solutions to Utility Coordination in Tennessee Roadway Projects Peter Heren (<i>Energy Land & Infrastructure LLC</i>)
Transportation	Optimizing Adaptive Signal Control System Through Artificial Intelligence Therezia Matongo (<i>TSU</i>)
Structural	Structural Inspections of Signage - Why you don't want to forget about it once it's installed Rob Alley (<i>Elrod Engineering, LLC</i>)
3:30 PM	CONFERENCE CONCLUDES