

# TENNESSEE ENGINEERS' CONFERENCE

## 2022 AGENDA

TIME / TRACK	TOPIC / SPEAKER(S)
<b>MONDAY, SEPTEMBER 19, 2022</b>	
7:30 am - 5:00 pm	Registration Open
8:00 am - 6:30 pm	Exhibit Hall Open
8:30 am - 10:00 am	<b>PLENARY SESSION &amp; ASCE AWARDS</b> <b>Hard Conversations: An Ethics Case Study in the Destructive Power of Conflict Avoidance and the Redemptive Power of Honesty</b> Mike Yost & Aaron Mann - <i>Terracon</i>
10:00 am - 10:30 am	<b>BREAK WITH EXHIBITORS</b>
10:30 am - 11:20 am	<b>PROFESSIONAL DEVELOPMENT - SESSION ONE</b>
TRACK ONE: Engineering Management	<b>Legal Landmines for Engineering Firms Practicing in Tennessee</b>   Dale Crow - <i>Risk Strategies</i> / David Garst - <i>Lewis Thomasson</i>
TRACK TWO: Civil & Environmental	<b>TDEC Permitting Amendments</b>   Karina Bynum, PhD, PE - <i>TDEC</i> / Steve Casey, PE - <i>CPESC</i>
TRACK THREE: Transportation	<b>Nashville DOT Update</b>   Diana Alarcon - <i>NDOT</i>
TRACK FOUR: Geotechnical	<b>Soil Compaction - A Critical Component in the Construction of Roads, Embankments, and Foundations</b>   John Godfrey, PE - <i>ECS</i>
TRACK FIVE: Electrical, Mechanical & Industrial	<b>Forensic Engineering</b>   McKenzie Roberts, PE, CFEI - <i>Engineering Consultants and Design, Inc.</i>
11:25 am - 12:15 pm	<b>PROFESSIONAL DEVELOPMENT - SESSION TWO</b>
TRACK ONE: Engineering Management	<b>Succession Planning</b>   Dan Ryan - <i>ryan partners</i>
TRACK TWO: Civil & Environmental	<b>How to Get Your Drinking Water and Clean Water Construction Documents Approved More Quickly</b>   Angela Jones, PE - <i>TDEC</i>
TRACK THREE: Transportation	<b>WeGo Update</b>   Steve Bland - <i>WeGo</i>
TRACK FOUR: Geotechnical	<b>Tennessee Landslides and Cellular Grouting</b>   Reid Bailey and Sara Magallon - <i>GeoStabilization</i>
TRACK FIVE: Electrical, Mechanical & Industrial	<b>Current Code Adoption Process</b>   Chris Bainbridge - <i>Tennessee State Fire Marshal's Office</i>
12:15 pm - 1:30 pm	<b>TEF LUNCHEON</b> <b>"A Little Bit More"</b>   Scott Turnbow, PhD - <i>Tennessee Valley Authority</i>
1:30 pm - 2:20 pm	<b>PROFESSIONAL DEVELOPMENT - SESSION THREE</b>
TRACK ONE: Engineering Management	<b>Marketing Your Engineering Firm</b>   Deb Varallo - <i>Varallo Public Relations</i>

TRACK TWO: Civil & Environmental	<b>Top 10 Ways to Reduce Concrete's Carbon Footprint</b>   Katie Poss, LEED AP BD+C, LFA - National Ready Mixed Concrete Association
TRACK THREE: Transportation	<b>Update for TDOT Aeronautics</b>   Jay Norris, John Saalwaechter - TDOT
TRACK FOUR: Geotechnical	<b>Graveyard Relocation</b>   Christopher Green - Terracon
TRACK FIVE: Electrical, Mechanical & Industrial	<b>Rising Safety Concerns: Does the increase in electric vehicles and solar power systems present new electrical safety hazards?</b>   Tommy Northcott, PE, CRL, CMRP - Jacobs-DC Systems
2:25 pm - 3:15 pm	<b>PROFESSIONAL DEVELOPMENT - SESSION FOUR</b>
TRACK ONE: Engineering Management	<b>Leading Growth and Preventing Workplace Burnout Post-Pandemic</b>   Pete Atherton - ActionsProve
TRACK TWO: Civil & Environmental	<b>TDEC Update</b>   Pat Flood, PE - TDEC
TRACK THREE: Transportation	<b>Nashville International Airport Investments</b>   Traci Holton - Metropolitan Airport Authority
TRACK FOUR: Geotechnical	<b>Geopier in Tennessee: Key Technologies and Project Applications</b>   Matthew Dorsey - Geopier
TRACK FIVE: Electrical, Mechanical & Industrial	<b>High Performance Building Requirements</b>   Chris Byerly - Office of the State Architect
3:15 pm - 3:45 pm	<b>BREAK WITH EXHIBITORS</b>
3:45 pm - 4:35 pm	<b>PROFESSIONAL DEVELOPMENT - SESSION FIVE</b>
TRACK ONE: Engineering Management	<b>The Culture Advantage: How to Engineer a High Performance Culture in a Post-Covid Firm</b>   Jonathan Wilson - Sandcastle Company
TRACK TWO: Civil & Environmental	<b>Project Visualization</b>   Andrew Poszich, PE - RS&H
TRACK THREE: Transportation	<b>I-70 KC Corridor Improvement Study</b>   Stephen Edwards, PE - TREKK Design Group
TRACK FOUR: Geotechnical	<b>What can the GI do for you?</b>   Brad Keelor - ASCE GI Group
TRACK FIVE: Electrical, Mechanical & Industrial	TBD
4:45 pm - 6:00 pm	<b>WELCOME RECEPTION</b>
6:00 pm - 10:00 pm	<b>TPE-PAC EVENT - <i>Details Coming Soon</i></b>
<b>TUESDAY, SEPTEMBER 20, 2022</b>	
7:00 - 12:00	<b>Registration Open</b>
7:30 - 3:00	<b>Exhibit Hall Open</b>
7:30 am - 8:30 am	<b>BREAKFAST WITH EXHIBITORS</b>
8:30 am - 9:20 am	<b>PROFESSIONAL DEVELOPMENT - SESSION SIX</b>

TRACK ONE: Engineering Management	Risk Assessment and Allocation   Bob Faulhaber
TRACK TWO: Civil & Environmental	Urban Stream Stabilization Project   Ken Barry, PE, D.WRE - S&ME
TRACK THREE: Transportation	I-65 Widening   Brian Gaffney
TRACK FOUR: Geotechnical	<b>Micropile Design, Construction, and Inspection for Foundation Support and Anchored Earth Retention at the Nashville International Airport</b>   Will Shaffer - <i>Dan Brown &amp; Associates</i>
TRACK FIVE: Structural	<b>Nashville Christmas Morning Bombing: Evaluation and Repairs to Blast Damaged Historic Buildings</b>   Benjamin Clemons, PE & Thomas Frankie, PhD, PE, SE - <i>WJE</i>
9:25 am - 10:15 am	<b>PROFESSIONAL DEVELOPMENT - SESSION SEVEN</b>
TRACK ONE: Engineering Management	IT Declassified: Unscrambling the Impact of the War on Data with a Marine   Jason Cunningham - <i>Croy Engineering</i>
TRACK TWO: Civil & Environmental	Stream and Wetland Mitigation: Overview and Trends   Ben Brown, TN-QHP and Natalie Burger, PhD - <i>TDOT</i>
TRACK THREE: Transportation	New Take on 3D Design   Andrew Poszich, PE - <i>RS&amp;H</i>
TRACK FOUR: Geotechnical	Adaptive Reuse and Urban Redevelopment of Wedgewood-Houston   Patrick O'Leary - <i>Terracon</i>
TRACK FIVE: Structural	Applications and Design Guideines for Concrete Reinforced with FRP Bars   Ashraf Mohammed, PhD, EI
10:15 am - 10:45 am	<b>BREAK WITH EXHIBITORS</b>
10:45 am - 11:35 am	<b>PROFESSIONAL DEVELOPMENT - SESSION EIGHT</b>
TRACK ONE: Engineering Management	Creating Inclusive Engineers through Humanitarian Engineering Projects   Kristen Dodson - <i>Lipscomb University</i>
TRACK TWO: Civil & Environmental	The Power of a Story   Andrew Poszich, PE - <i>RS&amp;H</i>
TRACK THREE: Transportation	TBD
TRACK FOUR: Geotechnical	Ohio Turnpike and Infrastructure Commission's 7-year Performance of Chemically Stabalized Subgrades for Pavements for Mainline Reconstruction Projects   Dane Redinger, PE - <i>Mt. Carmel Stabilization Group</i>
TRACK FIVE: Structural	The New Airwave Roof at BNA - Challenges and Solutions   Rao Patri, PE, SE - <i>Logan Patri Engineering, Inc.</i> & Terry Palmer, PE - <i>Magnusson Klemencic Associates</i>
11:35 am - 1:00 pm	<b>PE LUNCHEON &amp; TSPE AWARDS</b> An Update from the A/E Board
1:00 pm - 1:50 pm	<b>PROFESSIONAL DEVELOPMENT - SESSION NINE</b>
TRACK ONE: Engineering Management	TBD
TRACK TWO: Civil & Environmental	Concrete Parking Lot Design   Amanda Hult, PE - <i>NRMCA</i>
TRACK THREE: Transportation	TBD

TRACK FIVE: Structural	<b>Mass Timber Structural Design: Engineering Modern Timber Structures</b>   Jessica Scarlett - <i>WoodWorks</i>
1:55 pm - 2:45 pm	<b>PROFESSIONAL DEVELOPMENT - SESSION TEN</b>
TRACK ONE: Engineering Management	TBD
TRACK TWO: Civil & Environmental	<b>Advances in Green Infrastructure Designs Using High-Flow Biofiltration Technology for Stormwater Quality Treatment</b>   Mark Miller, PG - <i>AquaShield</i>
TRACK THREE: Transportation	TBD
TRACK FIVE: Structural	<b>A Case Study: Investigation and Load Testing of Low Compressive Strength Concrete</b>   Robert Kuykendall, PE, SE - <i>WJE</i>
2:45 pm - 3:00 pm	<b>Break</b>