

2021 CONFERENCE AGENDA

**subject to change*

Monday, September 13, 2021

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| 7:30 am - 5:00 pm | Registration Open |
| 8:30 am - 6:30 pm | Exhibit Hall Open |
| 8:30 am - 10:00 am | PLENARY SESSION |
| All Tracks | The Unwanted Discovery on the Hernando de Soto Bridge Paul Degges & Ted Kniazewycz, PE - <i>Tennessee Department of Transportation</i> / Chris Freiburg - <i>Kiewit</i> |
| 10:10 am - 11:00 am | PROFESSIONAL DEVELOPMENT - SESSION I |
| Civil & Environmental | Permanent Stormwater Management in Tennessee in Light of Chapter 0400-40-10 NPDES General Permits Amendments Karina Bynum, PE, PhD - <i>TDEC</i> / Steve Casey, PE - <i>Civil & Environmental Consultants</i> |
| Geotech | Unmanned Aerial Vehicles (UAVs): Applications for Infrastructure and Disaster Relief Khalid Alshibli - <i>University of Tennessee, Knoxville</i> |
| Engineering Management | Next Level Leadership & Management for the New Era Pete Atherton - <i>ActionsProve, LLC</i> |
| Mechanical, Electrical, Industrial | Arc Flash Prevention and Updates Tommy Northcott, PE, CRL, CMRP - <i>Jacobs</i> |
| Transportation | Safety Driven Scoping / Clear Path 465 Interchange in Indianapolis Carl Chaifetz, PE & Sai Polavarapu, PE - <i>Parsons</i> |
| 11:00 am - 11:50 am | PROFESSIONAL DEVELOPMENT - SESSION II |
| Civil & Environmental | Benefits of Reality Capture Derek Twente, DLS, EI - <i>TWM, Inc.</i> |
| Geotech | Emergency Response Remediation for Landslide Washout on SR 70 in Hawkins County, Tennessee Reid Bailey, PE - <i>GeoStabilization International</i> |
| Engineering Management | The Best Team Has a Strong Bench Dan Ryan - <i>ryan partners</i> |
| Mechanical, Electrical, Industrial | Forensic Engineering McKenzie Roberts, PE, CFEI - <i>Engineering Consultants and Design, Inc.</i> |
| Transportation | Machine Learning for Science and Engineering Modeling Susan Marlow, GISP - <i>Stantec</i> |
| 12:00 pm - 1:20 pm | Lunch |
| 12:30 pm - 1:20 pm | ASCE Awards – all welcome to attend |
| 1:30 pm - 2:20 pm | PROFESSIONAL DEVELOPMENT - SESSION III |
| Civil & Environmental | Don't Let Concrete Strength Acceptance Testing Derail Your Project John Pearson, PE - <i>Tennessee Concrete Association</i> |
| Geotech | Drilled Shaft Construction & Evaluation Saieb Haddad, PE - <i>Thompson Engineering</i> |

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| Engineering Management | Networking Doesn't Stop Because of COVID Deb Varallo - <i>Varallo PR</i> |
| Mechanical, Electrical, Industrial | Alarm Management: Every Reaction Deserves an Action Rick Miller - <i>Jacobs</i> |
| Transportation | Advancing Metro Nashville's Transportation Plan Faye DiMassimo - <i>Nashville Department of Transportation & Multimodal Transportation</i> / Steve Bland - <i>WeGo Public Transit</i> |
| 2:20 pm - 3:10 pm | PROFESSIONAL DEVELOPMENT - SESSION IV |
| Geotech | Ductile Iron Piles Matt Caskey - <i>DuroTerra</i> |
| Engineering Management | The Diversity of Professional Engineers Daniel Sierra, PE - <i>Burns & McDonnell</i> |
| Mechanical, Electrical, Industrial | The Cost of Irrational Alarms Rick Miller - <i>Jacobs</i> |
| Transportation | I-59/20 Traffic Planning and Management Jeff Stephenson, PE, PTOE - <i>Sain Associates</i> |
| 3:10 pm - 3:50 pm | Break with Exhibitors |
| 3:50 pm - 4:40 pm | PROFESSIONAL DEVELOPMENT - SESSION V |
| Civil & Environmental | Keeping the NEPA Process on Track When Your Project Has Everything Dan Prevost, AICP, CTP & Luke Eggering, SPWS, CISEC - <i>Parsons</i> |
| Geotech | Liquefaction Hazard Maps of Lauderdale County, Tennessee Hamed Tohidi - <i>The University of Memphis</i> |
| Engineering Management | Craftsman Leadership Josh Hughes, AIA - <i>Tuck-Hinton Architecture & Design</i> |
| Mechanical, Electrical, Industrial | Designing for Reliability - RAMS²O to Reduct the Total Cost of Ownership Ramesh Gulati, PE, CMRP, CMRT, CRL, CRE, CAMA - <i>Jacobs</i> |
| Transportation | Seeing the Whole Picture: Loyola Interchange, New Orleans International Airport Joseph Cains & Joey Lefante, PE - <i>Stantec</i> |
| 4:40pm - 5:30 pm | PROFESSIONAL DEVELOPMENT - SESSION VI |
| Civil & Environmental | Supporting Infrastructure with Ultra-Lightweight Foamed Glass Aggregate Theresa Lous, PE, PhD - <i>Aero Aggregates</i> |
| Geotech | TRC1901: Spatial Analysis of Benefits Site-Specific Ground Motion Response Analysis Ashraf Elsayed, PE - <i>Geotechnology, Inc.</i> |
| Engineering Management | TBD |
| Mechanical, Electrical, Industrial | CoE Tow Haulage System Long Truong, PE - <i>United States Army Corps of Engineers</i> |
| Transportation | Rural Public Outreach for Transportation Projects Mohammed Moin Uddin, PhD, PE - <i>East Tennessee State University</i> |
| 5:30 pm - 6:30 pm | Welcome Reception |
| 6:45 pm - 10:00 pm | TEC Bowling Night - <i>separate registration required</i> |

Tuesday, September 14, 2021

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| 7:00 am - 12:00 pm | Registration Open |
| 7:30 am - 3:00 pm | Exhibit Hall Open |
| 7:30 am - 8:30 am | Breakfast with Exhibitors |
| 8:30 am - 9:20 am | PROFESSIONAL DEVELOPMENT - SESSION VII |
| Civil & Environmental | Protecting the Potomac River – RiverRenew CSO Project Matthew Over, PE, PhD – <i>JCK Underground, Inc.</i> |
| Geotech | Performance of Geosynthetic Reinforcement and Moisture Removal for Athletic Fields Robert King, PE - <i>TenCate Geosynthetics</i> |
| Engineering Management | The Agility of Employee Engagement and Retention in Hybrid Work Environments Becky Rehorn - <i>Vaughn & Melton Consulting Engineers</i> |
| Transportation | Best Practices for Integrating Design and Utilities Kenny Franklin - <i>Parsons</i> |
| 9:20 am - 10:10 am | PROFESSIONAL DEVELOPMENT - SESSION VIII |
| Civil & Environmental | Case Study - Six Mile Aqueduct Matt Gramza, PE - <i>Civil & Environmental Consultants</i> / Robert Johnson, PE - <i>Tennessee Department of Transportation</i> |
| Geotech | Advances in QC/QA Data Management Michael Jenkins, PE - <i>Terracon</i> |
| Engineering Management | Fiduciary Liability Lydia Zabrycki - <i>CAPTRUST / ACEC Retirement Trust</i> |
| Transportation | Mini Roundabout - A Neighborhood Solution Joshua Scheenstra, PE - <i>OHM Advisors</i> |
| Structural | HSS Truss Connections Bradlee Fletcher - <i>Atlas Tube</i> |
| 10:10 am - 10:40 am | Break with Exhibitors |
| 10:40 am - 11:30 am | PROFESSIONAL DEVELOPMENT - SESSION IX |
| Civil & Environmental | Detention Pond Discussion Considering New Technology Clarke Willey, LA – <i>Spectrum Environmental Services</i> / Jon Rasmussen, PE – <i>Flood-Con, LLC</i> |
| Geotech | Subsurface Risk - Who Owns It? Vic Donald, PE - <i>Terracon</i> |
| Engineering Management | Contract Negotiation Techniques for Design Firms Dale Crow, Esq. - <i>Risk Strategies</i> |
| Transportation | Bridge Bump Remediation Strategies Ted Kniazewycz, PE - <i>Tennessee Department of Transportation</i> |
| Structural | Mass Timber Construction: Products, Performance, and Design Bruce Lindsey - <i>WoodWorks</i> |
| 11:30 am - 12:00 pm | PROFESSIONAL DEVELOPMENT - SESSION X |
| Civil & Environmental | Alleviating Inundation from Flood Waters Using H&H Modeling in the Dave Donaldson Wildlife Management Area Meaghan Owens, HIT, CFM & Chris Triplett, PE, PMP - <i>EnSafe Inc.</i> |
| Geotech | Polyurethane Grouting Tom Gibbs – <i>KELLER</i> |

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| Engineering Management | Cyber Risks and Coverage Dale Crow, Esq. - <i>Risk Strategies</i> |
| Transportation | Data in the Driver's Seat - TDOT TMC Matt Davis, PE - <i>Stantec</i> / Said El Said, PE - <i>Tennessee Department of Transportation</i> |
| Structural | Exploring Tall Wood: New Code Provisions for Tall Timber Structures Bruce Lindsey - <i>WoodWorks</i> |
| 12:00 pm - 12:30 pm | Lunch |
| 12:30 pm – 1:20 pm | A/E Board Update |
| All Tracks | A Discussion with the A/E Board A/E Board Members & Staff |
| 1:30 pm - 2:20 pm | PROFESSIONAL DEVELOPMENT - SESSION XI |
| Civil & Environmental | Mobile LIDAR and 3D Laser Scanning for Mapping Roadways and Facilities David Headrick - <i>KCI Technologies</i> |
| Engineering Management | Congress's Definition of R&D: Why Designers Qualify for the Research Tax Credit - Dawson Fercho - <i>Corporate Tax Advisors</i> |
| Mechanical, Electrical, Industrial | Power & Water - How Engineering Students Make a Difference for a Remote Hospital in Africa Dr. David Elrod - <i>Lipscomb University</i> |
| Transportation | BNA Post Pandemic Recovery, Vision Program, and Facilities Update Traci Holton, PE - <i>Metropolitan Nashville Airport Authority</i> |
| Structural | Field Inspection of Reinforcing Steel Brett Lord - <i>Concrete Reinforcing Steel Institute</i> |
| 2:20 pm - 2:50 pm | Break with Exhibitors |
| 2:55 pm - 3:45 pm | PROFESSIONAL DEVELOPMENT - SESSION XII |
| Engineering Management | TBD |
| Structural | Loving Your Local Mason Donald Harvey, PE - <i>Atkinson-Noland & Associates</i> |
| 2:55 pm - 5:00 pm | Special Session |
| Transportation | ACEC / TDOT Partnering Session |
| 3:45 pm - 4:35 pm | PROFESSIONAL DEVELOPMENT - SESSION XIII |
| Structural | Headed Reinforcement Applications and Code Provisions Robbie Hall - <i>Headed Reinforcement Corp.</i> |