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2025 SC Engineering Conference & Trade Show

June 5 - June 7, 2025

Kingston Resort
of Myrtle Beach,
SC Embassy Suite

Wi-Fi
Password:
2025terracon



Program Highlights

The SC Engineering Conference & Trade Show is of earing 15 PDH.
For attending a program in everytime slot, you will be able to
accumulate 15 PDH of the required 15 annually.

Thursday, June 5, 2025

4 PDH for the day

7:00 AM - Noon.....Exhibit Booth Set
8:00 AM - 5:00 PM.....Registration
8:00 AM - 10:00 AM.....SCSPE Board & Annual Meeting
10:00 AM - 11:15 AM.....ACEC-SC Board Meeting
12:10 PM.....ACEC-SC TEC Roundtable
Noon - 12:50 PM.....Boxed Lunch

General Sessions

Room: Kensington DE

1:00 PM - 1:50 PM.....SC State Board of Registration
for Professional Engineers and Surveyors Update, Gene
Dinkins, PE, PLS, Peter Strub, PE and Angela Musselwhite, PE

2:00 PM - 2:50 PM.....SCDOT Update from the
SC Department of Transportation, Julie Barker

3:00 PM - 3:50 PM.....SCDES Update from SC Department
of Environmental Services, Jill Stewart, PE

4:00 PM - 4:50 PM.....Legislative Update, Adam Jones
Rep. Gary Brewer, Rep. Micah Caskey and Rep. Carla
Schuessler

5:00 - 6:00 PM.....Trade Show Reception
Dinner on Your Own

Friday, June 6, 2025

7:00 AM - 5:00 PM.....Registration
8:00 AM - 3:00 PM.....Trade Show
8:00 AM - 5:00 PM.....Concurrent Sessions
6:30 PM - 7:00 PM.....Banquet Cocktails
7:00 PM - 9:00 PM.....Banquet

Saturday, June 7, 2025

Room: Kensington F

8:00 AM - 8:50 AM.....(1 PDH)
Reality Capture and Digital Twins, Michael Pfaff
9:00 AM - 9:50 AM.....(1 PDH)
AI and Machine Learning in Engineering Education and their
Use in Natural Systems, James Wanliss, PE
10:00 AM - 10:50 AM.....(1 PDH)
The Future of AI and Talent Pipeline, Homayoun Valafar, PE,
11:00 AM - 11:50 AM.....(1 PDH)
TBD

Friday, June 6, 2025 • Concurrent Sessions

Time	Track 1 Room: Kensington D	Track 2 Room: Kensington E	Track 3 Room: Kensington F	Track 4 Room: Pembroke	Track 5 Room: Winchester
7:00 AM - 5:00 PM	Registration				
8:00 AM - 3:00 PM	Trade Show				
8:00 AM - 8:50 AM 1 PDH	Stability Matters: What Can Happen When Analysis, Design, Detailing and Fabrication Differ Perry Green	Geotechnical Seismic Considerations: IBC / ASCE 7 and AASHTO LRFD BDS Abdul Fekrat	Engineering Tomorrow: Harnessing Artificial Intelligence (AI) for Innovation at CHA Arjun Singh, PE	Modern Concrete Technology Ahmad Hazimeh	ASCE 38-22 – How the Update Fills in the Gaps in 38-02 Aidan Deegan
9:00 AM - 9:50 AM 1 PDH	St. Thaddeus Column Mark Lorah	Can't We All Just Get Along? Jonathan Thrasher P.E.	Lessons Learned from the Investment Risk Review of Over 100 U.S. Biogas System Gus Simmons	York County's Pennies for Progress: A look at the most successful Capital Project Sales Tax program in the state Patrick Hamilton	Unlocking the Power of Near-Surface Geophysics for Engineering Solutions Jill Guthrie P.G.
10:00 AM - 10:50 AM 1 PDH	Commissioning for Improved Building Performance Matt Pesce	Risk is Ubiquitous! Jon Tirpak	Medical District Drainage Tunnel Extension Michael Horton PE, CFM	Smart Reef Project as part of CCU and Florida Atlantic University's Institute for Sensing and Embedded Network Engineering's (SEA) Seconet Paul Gayes	Thermoplastic Systems for Protecting Infrastructure and the Environment Yuse Lajiminmuhip
11:00 AM - 11:50 AM 1 PDH	Magnolia Farms-900 lot DR Horton Community Florence, SC Planning, design, permitting and start of construction Ryan Harvey	Ethics for Engineers Jeff Mulliken PhD, PE, FACEC	Systems Thinking Applied to Making Infrastructure Investment Decisions in a Political Environment Jack Hobbs	Building Decarbonization & Electrification - Evaluation, Strategies, and Technologies Kim Wooten	Fuller Pile Research, Applications, and Case Studies Timothy Mays Ph.D., PE
12:00 PM - 2:00 PM	Lunch Keynote: ASCE Report Card, Marsia Geldert-Murphey, P.E., F. ASCE, ASCE 2024 President Lunch Sponsored by: CNT Geotechnical				
2:00 PM - 2:50 PM 1 PDH	Historic Restoration of the Rome Clock Tower and Scottish Rite Terra Cotta Façade Jonathan Sigman	Protect the PE Leanne Panduren	Momentum 2050 Erin Parnell Queen	Sustainability and the Road to Carbon Neutrality with Low-Density Cellular Concrete (LDCC) Nico Sutmoller	Evaluating the Effect of Diagenesis on Soil Liquefaction Resistance Barnabas Bwambale
3:00 PM - 3:50 PM 1 PDH	History of Dreher Shoals and Saluda Hydro Amy Bresnahan	An Alternate Perspective on Engineering Ethics and Professional Practice Henry HESSING PE, F ASCE	Asphalt Cliff Selkinghaus SC Asphalt Pavement Association	How DOD modifies the Fire Coded using UFC 3-600-01 Ralph Foster III, PE	
4:00 PM - 4:50 PM 1 PDH	SC811 Overview and Processes LaDonna Trapp	Construction Dewatering Treatment and When it is Needed Chris Orrell, PG	Reducing Slope Instability Risk Using Manufactured Turf/ Earth Reinforcement Systems Mike Jotzke	A New Approach to Preventing Alkali-Silica Reaction (ASR): Alkali Sensitivity Evaluation April Snyder	