FINAL PROGRAM

GEO-CONGRESS 2026

Salt Lake City, Utah, March 9-12, 2026

Geo Tools, Technologies, and Techniques in an Environment of Change

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Schedule at a Glance *(Subject to change)*

All times are in Mountain Standard Time.
All events take place at the Calvin L. Rampton Salt Palace Convention Center unless otherwise noted.

Monday, March 9

7:00 a.m. – 11:30 a.m.	Registration Open, *Upper Mezzanine*
8:00 a.m. – 5:00 p.m.	Lightweight Fill Conference, *255E*
8:00 a.m. – 5:00 p.m.	**Short Course 1:** CPT and Pile Foundations: Past Insights, Present Trends, and Future Prospects, *255A*
8:00 a.m. – 12:00 p.m.	**Short Course 2:** NGL, GMDB, and VsPDB Database Exploration Workshop, *255B*
8:00 a.m. – 12:00 p.m.	**Short Course 3:** Artificial Intelligence for Geoprofessionals, *255C*
8:00 a.m. – 12:00 p.m.	**Short Course 7:** Survey of the New Foundations and Earth Structures Design Manual (DM 7.2), *255D*
11:30 a.m. – 1:00 p.m.	Registration closed for lunch, *Upper Mezzanine*
1:00 p.m. – 5:00 p.m.	Exhibitor Set-Up, *Halls 1-3*
1:00 p.m. – 5:00 p.m.	**Short Course 4:** Simple Methods to Rapidly Characterize and Model Unsaturated Soil Behavior, *255B*
1:00 p.m. – 5:00 p.m.	**Short Course 6:** The Basics of Risk Mitigation, *255C*
1:00 p.m. – 7:00 p.m.	Registration Open, *Upper Mezzanine*
2:00 p.m. – 3:30 p.m.	G-I Student Panel: Building Your Geotechnical Career, *255F*
3:30 p.m. – 4:30 p.m.	G-I Geo-Wall Captains Meeting, *259*
5:00 p.m. – 6:30 p.m.	Opening Remarks and H. Bolton Seed Lecture, *155BCEFG*
6:30 p.m. – 8:00 p.m.	Exhibit Hall Open, *Halls 1-3*
6:30 p.m. – 8:00 p.m.	Opening Reception, *Halls 1-3*
8:00 p.m. – 10:00 p.m.	Happy Hour presented by the Outreach and Engagement Council and G-I Utah Chapter, *The Green Pig*

Tuesday, March 10

6:00 a.m. – 7:00 a.m.	Yoga, *Sundance Room, Salt Lake City Marriott City Center*
7:00 a.m. – 12:00 p.m.	Registration Open, *Upper Mezzanine*
9:00 a.m. – 5:00 p.m.	Exhibit Hall Open, *Halls 1-3*
8:00 a.m. – 8:30 a.m.	Welcoming Remarks
8:30 a.m. – 10:00 a.m.	Opening Plenary and Geo-PITs, *155BCEFG*
10:00 a.m. – 10:30 a.m.	Morning Networking Break, *Halls 1-3*
10:00 a.m. – 3:00 p.m.	Student Competitions, *Halls 1-3*
10:30 a.m. – 12:00 p.m.	Technical Sessions, *See page 8*
12:00 p.m. – 1:00 p.m.	Lunch in Exhibit Hall, *Halls 1-3*
12:00 p.m. – 1:00 p.m.	Registration closed for lunch, *Upper Mezzanine*
1:00 p.m. – 5:00 p.m.	Registration Open, *Upper Mezzanine*
1:00 p.m. – 2:30 p.m.	Technical Sessions, *See page 8*
1:00 p.m. – 5:00 p.m.	**Student Program:** Organizational Members/ Student Career Fair, *Halls 1-3*
2:30 p.m. – 3:30 p.m.	Happy Hour with Posters in Exhibit Hall, *Halls 1-3*
2:30 p.m. – 4:30 p.m.	Poster Session in Exhibit Hall, *Halls 1-3*
5:00 p.m. – 6:30 p.m.	Shamsher Prakash Lecture, *155BCEFG*
6:30 p.m. – 9:30 p.m.	Offsite Event, *Clark Planetarium*

Wednesday, March 11

6:00 a.m. – 7:00 a.m.	Yoga, *Sundance Room, Salt Lake City Marriott City Center*
7:00 a.m. – 12:00 p.m.	Registration Open, *Upper Mezzanine*
9:00 a.m. – 5:00 p.m.	Exhibit Hall Open, *Halls 1-3*
8:00 a.m. – 10:00 a.m.	Plenary Session, Geo-PITs, Student Competition Awards, *155BCEFG*
10:00 a.m. – 10:30 a.m.	Morning Networking Break, *Halls 1-3*
10:30 a.m. – 12:00 p.m.	Technical Sessions, *See page 10*
12:00 p.m. – 1:00 p.m.	Lunch in Exhibit Hall, *Halls 1-3*
12:00 p.m. – 1:00 p.m.	Registration closed for lunch, *Upper Mezzanine*
1:00 p.m. – 6:00 p.m.	Registration Open, *Upper Mezzanine*
1:00 p.m. – 2:30 p.m.	Technical Sessions, *See page 10*
2:30 p.m. – 3:30 p.m.	Happy Hour with Posters in Exhibit Hall, *Halls 1-3*
2:30 p.m. – 4:30 p.m.	Poster Session in Exhibit Hall, *Halls 1-3*
5:30 p.m. – 7:00 p.m.	Awards Presentation and Karl Terzaghi Lecture, *155BCEFG*
7:30 p.m. – 9:00 p.m	Terzaghi Dinner (Invitation Only), Offsite

Thursday, March 12

7:00 a.m. – 11:00 a.m.	Registration Open, *Upper Mezzanine*
8:00 a.m. – 10:00 a.m.	Plenary Session and Geo-PITs, *155BCEFG*
9:00 a.m. – 1:00 p.m.	Exhibit Hall Open, *Halls 1-3*
10:00 a.m. – 10:30 a.m.	Morning Networking Break, Halls 1-3
10:30 a.m. – 12:00 p.m.	Technical Sessions, *See page 12*
12:00 p.m. – 1:00 p.m.	Lunch in Exhibit Hall, *Halls 1-3*
1:00 p.m. – 2:30 p.m.	Ralph B. Peck Lecture, *155BCEFG*
2:30 p.m. – 3:00 p.m.	Closing Ceremony, *155BCEFG*

Contents

Ryan B. Maw

K. N. Gunalan

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Special Lectures

H. Bolton Seed Award Lecture

Monday, March 9 | 5:00 p.m. – 6:30 p.m.

Deformation Modeling in Risk Analyses for Dams

Ross W. Boulanger, Ph.D., P.E., NAE, F.ASCE

Ross Boulanger is a geotechnical consultant and a Distinguished Professor Emeritus in the Department of Civil and Environmental Engineering at the University of California, Davis. He received his Bachelor's degree from the University of British Columbia in 1986, followed by his Master's and Doctoral degrees from UC Berkeley. His tenure at UC Davis from 1992 through 2023 included 14 years as Director of the Center for Geotechnical Modeling and its national shared-use centrifuge facilities. He has over 300 publications, primarily related to liquefaction and its remediation, seismic performance of dams and levees, and seismic soil-structure interaction. His consulting activities include service as a technical review board member or technical specialist for over 80 dam, tunnel, and other infrastructure projects. His previous honors include the Casagrande Award, Huber Prize, Norman Medal, and Peck Award from ASCE, the Ishihara Lecture from ISSMGE, and election to the US National Academy of Engineering.

Shamsher Prakash Lecture

Tuesday, March 10 | 5:00 p.m. – 6:30 p.m.

Beyond Site-Specific: Regional Near-Surface Effects for System-level Risk Reduction

Domniki Asimaki, Sc.D., M.ASCE

Domniki Asimaki is a Professor of Mechanical and Civil Engineering at the California Institute of Technology. Her research integrates geotechnical engineering, computational mechanics, geophysics, and structural dynamics to investigate site response, soil–structure interaction, and topographic effects on seismic ground motion. She focuses on combining high-fidelity numerical simulations with field and experimental data to develop simplified, hazard-resilient design models for infrastructure at urban and regional scales.

Professor Asimaki earned her diploma in civil engineering from the National Technical University of Athens and her M.S. and Sc.D. degrees from the Massachusetts Institute of Technology. She is an Associate Editor for Soil Dynamics and Earthquake Engineering, Earthquake Spectra, and Soils and Foundations, and is the recipient of multiple honors, including the ASCE Arthur Casagrande Professional Development Award and the Shamsher Prakash Research Award.

Karl Terzaghi Lecture

Wednesday, March 11 | 5:30 p.m. – 7:00 p.m.

The Safety of Slopes

D. Vaughan Griffiths, D.Sc., Ph.D., P.E., C.Eng., BC.GE, Dist.M.ASCE

D. Vaughan Griffiths is a Professor and Head of the Department of Civil and Environmental Engineering at the Colorado School of Mines. His research interests lie in application of finite element and risk assessment methodologies in geotechnical engineering. He is the co-author of three textbooks on "Programming the Finite Element Method", "Risk Assessment in Geotechnical Engineering" and "Numerical Methods for Engineers" that have gone into multiple and foreign language editions, and his papers on slope stability analysis are among the most highly cited in the geotechnical engineering literature.He gives regular short courses worldwide to practitioners on finite elements, risk assessment and slope stability analysis. He was the inaugural ISSMGE Suzanne Lacasse Lecturer in 2016, and in 2017 received the H. Bolton Seed Medal from the ASCE/Geo-Institute. Also in 2017, he was named the Cross-Canada Lecturer by the Canadian Geotechnical Society. He gave the TH Wu Distinguished lecture in 2021, the Wilson Tang lecture in 2022 and was awarded a Fulbright Distinguished Chair in 2023 to collaborate on geotechnical risk-related research at the University of Newcastle, NSW, Australia. He served on the Board of Direction of ASCE from 2010-2013 and was inducted as a Distinguished Member of the ASCE in 2020.

Ralph B. Peck Lecture

Thursday, March 12 | 1:00 p.m. – 2:30 p.m.

Revisiting the Observational Method

Kenichi Soga, Ph.D., NAE, F.ASCE

Kenichi Soga is the Donald H. McLaughlin Professor in Mineral Engineering and a Distinguished Professor of Civil and Environmental Engineering at the University of California, Berkeley. He also serves as Director of the Berkeley Center for Smart Infrastructure and as a faculty scientist at Lawrence Berkeley National Laboratory.

His research focuses on infrastructure sensing; performance-based design, monitoring, and maintenance of infrastructure; energy geotechnics; and geomechanics from micro to macro. He has published more than 500 journal and conference papers and is a co-author of "Fundamentals of Soil Behavior, 4th edition" with the late Professor James K. Mitchell and Professor Catherine O'Sullivan.

He is a member of the National Academy of Engineering and a Fellow of the UK Royal Academy of Engineering, the Institution of Civil Engineers (ICE), ASCE, and the Engineering Academy of Japan.

Tuesday, March 10, 2026

Track A | 255A	Track B | 255B	Track C | 255C	Track D | 255D	Track E | 255E	Track F | 255F	Track G | 257
8:00 a.m. – 8:30 a.m.	**Welcoming Remarks,** *155BCEFG*					
8:30 a.m. – 10:00 a.m.	**Opening Plenary and Geo-PITs,** *155BCEFG*					
10:00 a.m. – 10:30 a.m..	**Morning Networking Break,** *Halls 1-3*					
10:00 a.m. – 3:00 p.m.	**Student Competitions,** *Halls 1-3*					
10:30 a.m. – 12:00 p.m	**Technical Sessions**					
Computational Modeling **Moderator:** Yifei Ma and Hanu Kulkarni	**Dams, Levees, and Tailings Storage Facilitites** **Moderator:** Ali Khosravi & Bret Lingwall	**Energy Geotechnics and Thermal Soil Behavior** **Moderator:** Julia Loshelder & Xinbao Yu	**Geotechnical Challenges in Soft Soils** **Moderator:** Michael McGuire	**Panel Session: Geotechnical Aspects of the Salt Lake Temple Seismic Retrofit** **Moderator:** Taylor Nordquist & Lisheng Shao	**Panel Session: Future Environmental Hazards and Conditions in Geotechnical Engineering Practice** **Moderator:** Sissy Nikolaou	**Panel Session: Benefits of Geotechnical Data Resources: NGL, GMDB, and VsPDB Databases** **Moderator:** Kristin Ulmer
Numerical Modeling of Centrifuge Tunnel Tests using the Norsand and the Hardening Soil Models: *Felipe Vitali, Ricardo Formigari, and Osvaldo Vitali* **Hybrid Surrogate Modeling of a Quay Wall: An Automatically Tuned Framework Integrating Long Short-Term Memory and Feedforward Neural Networks:** *Kacper Cerek, Elnaz Hadjiloo, and Jürgen Grabe* **3D Numerical Study on Geosynthetically Reinforced Stone Columns:** *Mohebollah Agahnav, Hossein Bahmyari, Ali Noorzad, and Mohammad Jammali Moghadam* **Influence of Geometry and Mass Distribution on Penetrator Stability in FEM Simulations of Rapid Penetration in Clay:** *Boules Morkos, Mehdi Omidvar, Stephan Bless, and Magued Iskander* **Evaluation of a Numerical Modeling of the Radial Expansion and Axial Loading of a New Bioinspired Deep Foundation in Granular Soil:** *Paola Bandini, Mohsen Zamani, Peter Zelkowski, and Craig Newtson* **A Stress–Deformation Modeling Approach to Support Adaptive Geotechnical Design and Risk-Informed Decision Making:** *Saeed Nazary Moghadam, David Walter, Jeffrey Keaton*	**Sevier Bridge Dam Rehabilitation:** *Richard Buhler, Jed McFarlene, Ryan Cole, Travis Gerber, and Phil Gerhart* **Modeling of Static Liquefaction-induced Failure of a TSF.:** *Alfonso Cerna-Diaz, Richard Davidson, Emad Ghodrati, Masood Kafash, Pooya Sheykhloo, and Lisa Yenne* **Impact of Reservoir Fluctuations on Cracking and Erosion: Physical Modeling and Numerical Investigation:** *Amanda Sampaio, Jaden Ladd, Jonathan Kurien, and Yuderka Trinidad Gonzalez* **Considerations for Levee Design Using Staged Construction in Southeast Louisiana: A Case Studying the Design and Construction of the West Shore Lake Pontchartrain Levee:** *James Williams, Richard Varuso, Jehu Johnson, Leeland Richard, and Sean Walsh* **Back-Analysis of a Rapid Drawdown Failure at Sparmos Dam Using UAV-based 3D Failure Geometries:** *Jhih-Rou Huang, Dimitrios Zekkos* **Evaluation of Slope Stability of Tailings Storage Facility under Static and Seismic Conditions:** *Siwadol Deijphumee, James Devereaux, and Timothy Adams*	**A Modified Split Hopkinson Pressure Bar for Temperature-Controlled Dynamic Testing of Frozen Sands:** *Ruben Aza-Gnandji, Youssef Abouhussien, and Tugce Baser* **Effective Stress Evaluation of the Thermal Volume Change of Swelling Soils:** *John McCartney, Xufei Liu, Fatemah Behbehani, and Yu Lu* **Numerical analysis of Thermo-Hydro-Mechanical Behavior of Expansive Soils Close to the Geothermal Energy Systems:** *Fereydoun Najafian Jazi, Kiavash Jafarzadeh, Omid Ghasemi-Fare, and Thomas Rockaway* **Scenario-Based Field-Scale Evaluation of Thermal Performance of Ground Heat Exchangers:** *Alireza Fakhrabadi, Aditya Deshmukh, Puneet Bhaskar, Xinbao Yu, and Anand Puppala* **A Coupled Thermo-Hydraulic Transport Model During Soil Freezing:** *Antai Dong and Xiong Zhang* **Compressibility and Volume Change of Bentonite at Variable Temperatures:** *Abdullah Almajed, Muawia Dafalla, and Lemboye Kehinde*	**Design and Performance Evaluation of Geosynthetic-Reinforced Load Transfer Platforms in Pile-Supported Embankments:** *Masoud Nobahar and Murad Abu-Farsakh* **Timber Piled Load Transfer Platform and GRS Abutments on Soft Ground for Temporary Panel Bridge:** *Graham Elliott, Mark Landis, Philip Shull, and Kirsten Wilde Grant* **Simplified Method for Consideration of Soil Arching in 2D Limit Equilibrium Slope Stability Analyses of Pile-Stabilized Embankments:** *James McKelvey and Miguel Pando* **Evaluation of Bearing Capacity for TBM Tunneling in Deep Soft Soils:** *Chu Ho and Vishnu Saketh Jella* **Load Transfer Platforms for Column-Supported Embankments: A Comparative Study:** *Ashutosh Singh and Anumita Mishra* **Nonlinear Simulation of the Seismic Performance of Unreinforced and Fiber-Reinforced Rigid Inclusions in Soft Soil Site:** *Daniel Hutabarat, James Gingery, and Francisco Humire*	The Salt Lake Temple of the Church of Jesus Christ of Latter-day Saints, completed in 1893, is undergoing seismic retrofitting. A base isolation system is being installed adjacent to the historic footings of the 170-million-pound unreinforced stone masonry structure, which bears on shallow foundations with pressures up to 19,000 psf (900 kPa). Extensive shoring and underpinning—including tie rods, micropiles, secant piles, tiebacks, hand-dug piers, and jack-and-bore casings—support construction in gravelly alluvial soils. This presentation highlights the project's geotechnical challenges and innovative solutions. **Panelists**: *Taylor Nordquist, Project Manager, Applied GeoTech* *Georges Bonnet, Director of Communications for Historic Temple Renovations, The Church of Jesus Christ of Latter-day Saints* *Brent Maxfield, Structural Engineer, The Church of Jesus Christ of Latter-day Saints* *Rob Jameson, Executive VP, Malcolm Drilling Company* *Eric Lindquist, President, Brierley Associates* *René Vignos, Principal/COO, Forrell Elsesser*	This panel of experienced practitioners and researchers will discuss the current state of practice, guidelines, codes, and standards in geotechnical engineering as they relate to future environmental hazards and conditions. Panelists will assess priorities and pressing needs for incorporation in the development of future codes and standards as well as the broader view points of the community. **Panelists**: *Georgette Hlepas, USACE* *Jim Collin, Collin Group* *Joe DiMaggio, HNTB* *Youssef Hashash, UIUC* *Peggy Hagerty; ADSC, Hagerty Engineering*	The Next Generation Liquefaction (NGL) database, the Ground Motion database (GMDB), and the Shear-wave Velocity (Vs) Profile Database (VsPDB) are relational databases that have been developed to advance geotechnical earthquake engineering by providing open access to key data from around the world. In this special session, attendees will learn about the development of these databases and how these resources have been used to benefit engineering research and practice. **Panelists**: *Scott Brandenberg, Professor, UCLA* *Tristan Buckreis, Post-doctoral Researcher, UCLA* *Onder Cetin, Professor, Middle East Technical University* *Kenneth Hudson, Principal Geoscientist, Hudson Geotechnics* *Chukwuebuka Nweke, Assistant Professor, USC* *Renmin Pretell, Assistant Professor, U. Nevada Reno* *Arda Sahin, PhD Student, UCLA* *Kristin Ulmer, Senior Research Engineer, Southwest Research Institute*
12:00 p.m. – 1:00 p.m.	**Lunch in Exhibit Hall,** *Halls 1-3*					
1:00 p.m. – 2:30 p.m.	**Technical Sessions**					
Dynamic Soil Behavior and Foundation Performance **Moderator:** Anthony Tessari & William "Tripp" Baker	**Soil Improvement** **Moderator:** Mo Sadeghi	**Underground Engineering** **Moderator:** Canan Ozudorgu	**Geophysical Engineering** **Moderator:** Jonathan Hubler	**Climate Change and Sustainability** **Moderator:** Nripojyoti Biswas	**JGGE Editor's Choice Papers** **Moderator:** Adrian Rodriguez-Marek	**Panel Session: Geotechnical Failures Investigations, Unveiling the Hidden Layers** **Moderator:** Saj Salam
Evaluation of New and Existing Shear Modulus Reduction Models to Predict Measured In-Situ G/Gmax in Transitional Silts: *Besrat Alemu, Armin Stuedlein, Zhongze Xu, and Kenneth Stokoe* **Observations and Interpretation from a Centrifuge Test on a Pile-Supported Wharf Subjected to Combined Superstructure Inertia and Lateral Ground Deformations:** *Arash Khosravifar, Andrew Parrott, Benyamin Jolilnavaznovin, Stephen Dickenson, Nason McCullough, and Scott Schlechter* **Shake Table Studies of a Geotechnical Seismic Isolation System Using Lightweight Aggregates:** *Farmehr Dehkordi, Farzad Nasiri, and Fariborz Tehrani* **Seismic Settlement Analysis of Nihal Atakaş Mosque: A Comparison of Field Observations, Semi-Empirical Estimates, and 3D Seismic Soil-Structure Interaction Simulation Results:** *Ozgun Numanoglu, Renmin Pretell, and Daniel Hutabarat* **Examination of Undrained Cyclic Shear Behavior of Montanan Varved Lacustrine Fines:** *Bret Lingwall, James Olsen, Tyler Chatfield, and Tyler Quick* **Effect of Overburden Stress on Cyclic Resistance of Fine-Grained Materials:** *Varun N. S. Renugah, Arda Sahin, Amalesh Jana, Kristin Ulmer, Scott Brandenberg, Jonathan Stewart, Armin Stuedlein, Matthew Evans, and Steven Kramer*	**Shear Strength Envelope Characteristics of Lime-Treated Clays:** *Mohammad Moridzadeh and Gholamreza Mesri* **Enhancing the Performance of Biopolymer Stabilization of Sulfate-Rich Expansive Soil Using Co-additives:** *Debayan Ghosh and Aritra Banerjee* **Feasibility Study of Quantifying the Soil Strength Improvement from Polyurethane Injection:** *Chadi El Mohtar, Kowshik Kumar, Bianca Zuleta, Abhilash Reddy* **Innovative Electrokinetic Treatment of Expansive Soils: Evaluating MgCl2 and CaCl2 as Stabilizing Agents:** *Najibullah Zulfeqar, Shiqiang Zou, and Ali Khosravi* **Rethinking the Role of Downdrag in Rigid Inclusions Design:** *Sonia Swift, Mary Nodine, and Kevin Johnson* **Optimized Foundation Design and Construction for Provo, UT Wasterwater:** *Lisheng Shao, Aaron Leopold, Matthew Francis, Tim Siegal, Mike Robison, and Scott Simmons*	**Feasibility Study on Health Monitoring of Buried Structures using Battery-Free and Cable-Free Sensors:** *Jun Wang, Fei Wang, Yu Luo, Lina Pu, Isaac Howard, and William Crook* **Laboratory Investigation on Advancing an Eco-Friendly Backfill Grout for Shield TBM Tunneling Using Biopolymer-Based Soil Treatment (BPST):** *Ilhan Chang, Chanjo Kwon, and Hyungbin Park* **Cottonwoods Connection Pipeline Crossing of the Wasatch Fault:** *Travis Gerber and Ryan Maw* **GIS Interoperability Framework for Risk Management in Tunneling Projects:** *Rajat Gangrade and Steve Savage* **Impact of Grout Strength on the Structural Performance of Sliplined Corrugated Steel Pipes Under Parallel-Plate Loading Tests:** *S. Mustapha Rahmaninezhad, Jie Han, Robert Parsons* **Groundwater Control and Excavation Support for the Salt Lake City Water Reclamation Facility Influent Pump Station:** *Scott Simmons, Scott Chambers, Eric Lindquist, Matt Kennedy*	**Improved Correlations of Geophysical Models With Sparse Borehole Data Using Geostatistical Algorithms:** *Alastair McClymont and Eric Johnson* **Seismic Geotechnical Imaging Using Full-Waveform Inversion and Physics-Informed Neural Networks:** *Yuze Pu and Kami Mohammadi* **Seismic Full Waveform Inversion for Sinkhole Assessment and Remediation Monitoring: A Case Study on a Roadway in Montgomery County, Pennsylvania:** *Joseph Coe, Pourya Alidoust, Sarah McInnes, and Katherine Kubiak* **Rapid Three-Dimensional Subsurface Imaging with Data-Driven Full Waveform Inversion:** *Samuel Nakai, Sanish Bhochhibhoya, and Joseph Vantassel* **Site Characterization Using Electrical Resistivity Tomography after Microbially Induced Desaturation Treatment:** *Aaron Gallant, Andres Cordoba-Ordonez, Diane Moug, Fadzai Zivanai, Kayla Sorenson, Arash Khosravifar, Leon Van Paassen, and Luis Zambrano-Cruzatty* **A Dataset of Microtremor Horizontal-to-Vertical Spectral Ratio (mHVSR) Measurements Collected at Strong Motion Stations that Recorded the 2020 M5.7 Magna, Utah Earthquake:** *Kyle Cannon and Brady Cox*	**Experimental Study of the Mechanical and Durability Properties of a Collapsible Soil Treated with Biopolymers:** *Shamontee Aziz, Pushan Bal, Scott Olson, and Paul Braun* **Sustainable Utilization of Waste Slurry in Road Construction: Development and Evaluation of Solidification Methods Using Industrial Byproducts:** *Ningjun Jiang, Bowen Yu, and Xuanyu Chen* **Case Studies: Increase in Climactic Events Causing Increase in Foundation Costs:** *Xinyi Jiang and Morgan Race* **Centrifuge Modeling of the Effects of Native Vegetation on Levee Slope Stability:** *Nethmi Silva, Tommy Bounds, April Bowman, and Kanthasamy Muraleetharan* **Evaluation of Printability and Flow Properties of 3D-Printed Earthen Mixes:** *Saswati Ray, Md Montaseer Meraz, Pavan Akula, John Rushing, and Jeb S. Tingle* **Strengthening Recycled Glass Sand Using Xanthan Gum: A Sustainable Approach:** *Junjie Li, Kejun Wen, and Bin Zhang*	This special session includes presentations by authors of Editor's Choice papers in ASCE's *Journal of Geotechnical and GeoEnvironmental Engineering* in 2025, covering different topics and methodologies. **Pipeline-Soil Interaction Behaviour: Acoustic Emission and Energy Dissipation:** *Shijin Li* **Machine Learning-Based Settlement Models for Shallow-Founded Structures on Interbedded Sites Considering Dense Granular Columns:** *Shideh Dashti* **Displacement-Based Design of Axially Loaded Piles for Seismic Loading and Liquefaction-Induced Downdrag:** *Katerina Ziotopoulou* **LRFD calibration of internal limit states for polymer (PET) strap MSE walls:** *Richard Bathurst*	Geotechnical Failures Investigation is an interdisciplinary field that spotlights cutting-edge research, innovative methodologies, and case studies that illustrate the pivotal role of geo-forensics in solving complex problems. Participants will gain insights into the application of failure analysis investigation techniques in geotechnical engineering, understand the legal and scientific challenges associated with geotechnical failures investigations, and explore future directions in geo-forensic research. **Panelists**: *Jean-Louis Briaud, Ph..D.., P.E., D..GE, Dist. M.ASCE, Texas A&M University* *J. David Frost, Ph.D., P.E., F.ASCE, Georgia Institute of Technology* *Youssef M A Hashash, Ph.D., P.E., F.ASCE, University of Illinois Urbana-Champagne* *Julien Cohen-Waeber, Ph.D., P.G., C.E.G, Exponent*
1:00 p.m. – 5:00 p.m.	**G-I Organizational Members/Student Career Fair,** *Halls 1-3*					
2:30 p.m. – 3:30 p.m.	**Happy Hour with Posters in Exhibit Hall,** *Halls 1-3*					
2:30 p.m. – 4:30 p.m.	**Poster Session in Exhibit Hall,** *Halls 1-3*					
5:00 p.m. – 6:30 p.m.	**Shamsher Prakash Lecture,** *Halls 1-3*					
6:30 p.m. – 9:30 p.m.	**Off-Site Event: Clark Planetarium**					

Technical Program *(continued)*

Wednesday, March 11, 2026

Track A | 255A	Track B | 255B	Track C | 255C	Track D | 255D	Track E | 255E	Track F | 255F	Track G | 257
8:00 a.m. – 10:00 a.m.	**Plenary Session, Geo-PITs, Student Competition Awards**, *155BCEFG*					
10:00 a.m. – 10:30 a.m.	**Morning Networking Break,** *Halls 1-3*					
10:30 a.m. – 12:00 p.m.	**Technical Sessions**					
In-Situ Testing: Field Methods and Modeling **Moderator:** Aaron Budge	**Advances in Liquefaction Analyses** **Moderator:** Renmin Pretell & Kyle Rollins	**Engineering Geology and Rock Mechanics** **Moderator:** Shahrzad Roshankhah	**Soil Erosion** **Moderator:** Surya Congress	**Panel Session: Geo-Debate 2026** **Moderator:** Derrick Dasenbrock	**Panel Session: Working Platforms – Do we really need to design them?** **Moderator:** Peter Faust	**Younger Member Technical Session** **Moderator:** Intisar Ahmed & Santiago Martinez-Granata
Meshless Numerical Modeling of Vane Shear Test: *Alomir Favero Neto, Gustavo Oliveira, and Alfonso Cerna-Diaz* **Measurement of Soil Thermal Conductivity Using a Novel CPT Module:** *Joseph Bindner, Ong Siau-Hwa, and Ethan Cargill* **Undrained Shear from CPTU in Soft Clay, Stiff Till, and Soft Rock in the UK:** *Paul Mayne* **Cone Penetration Rate Effects on Field Characterization of Hydraulically Placed Fly Ash:** *Longde Jin, Andrew Fuggle, and Lina Maria Pua Pita* **Analysis of Video Images Obtained During Cone Penetration Testing:** *Gerald Verbeek and Oksana Khomiak* **Effect of Particle Refinement Method Parameters in Discrete Element Method Simulations: Cone Penetration Test Examples:** *Pingki Datta and Matthew Evans*	**Comparing Liquefaction Hazard Assessment Methods for Fuel Storage Facilities in Portland's CEI Hub:** *Ana Tijerina Esquino, Diane Moug, Arash Khosravifar, and David Yang* **CPT-Based Probabilistic Assesment of Seismic Soil Liquefaction Triggering Relationships:** *Gizem Can, Kemal Cetin, Robb Moss, Robert Kayen, Makbule Ilgaz, and Umut Ayhan* **Comparison of Synthetic Datasets Generation and Their Efficacy in the ML-Assisted Calibration of Plasticity Models for Liquefaction:** *Tyler Southam, Maziar Mivehchi, Laura Luna, and Katerina Ziotopoulou* **Addressing the Needs and Challenges in Evaluating Liquefaction: A Survey of the State-of-Practice:** *Kristin Ulmer, Scott Brandenberg, Ken Hudson, Paolo Zimmaro, Steve Kramer, and Jonathan Stewart* **Modeling of Strain-Rate Effects and its Implications on the Lateral Spreading of Liquefiable Soils:** *Mohamed El Ghoraiby and Majid Manzari* **Liquefaction and Flowability Properties of Sand with Strain History:** *Prakash Badu, Gurusamy Kalaiselvan, Amalesh Jana, Mohammad Khosravi*	**Effect of Dual Surface Crack on the Seismic Stability of Strip Footing Placed Over the Rock Mass:** *Avneet Lahariya and Debarghya Chakraborty* **Evaluation of Flexure Modulus and Energy Dissipation in Intact Rocks Using Resonant Column Testing and Numerical Simulations:** *Sakshi Rohilla and Resmi Sebastian* **Rockfall Hazard Assessment in Pennsylvania through Coupled Monitoring and Modeling:** *EunSik Choi, Sarah Burghardt, Jonathan Hubler, Virginia Smith, and Sarah McInnes* **Exploring UAV Survey for Geotechnical Applications: A Comparative Study of Photo and Video Capture Techniques:** *Mohammad Amin Nozari, Mohammadreza Jebeli, Siamak Yoosefi, William Baker, and Christopher Meehan* **Characterizing the At-Rest Lateral Stress Coefficient in South Carolina Coastal Plain Quaternary Sands:** *Ronald Andrus, Ali Sedaghat, Andrew Russell, Akhter Hossain, and Bikram Paudel* **Recommendations for Selecting an Optimal Rock Joint Direct Shear Test Procedure:** *Steve Berry and Mary MacLaughlin*	**Development of Erosion Functions for Florida Beach Sand Treated with Bioslurry:** *Saeed Booshi, Pete Schnillen, Amar Kasovak, Raphael Crowley, Terri Ellis, and Brian Wingender* **Development of Deep Learning Based Model for Estimating Erosion Rates in Cohesive Soils:** *Hiramani Chimauriya, Nripajyoti Biswas, Amit Gajurel, and Anand Puppala* **Does the Atmosphere in Soil Pore Space During Wildfire Affect the Erosion Potential of Scorched Earth?** *Calvin Tohm and Bret Lingwall* **Pore Pressure Assessment in Sandy Nearshore Sediments during a Large-Scale Wave Flume Experiment:** *Lea Eggensberger, Nina Stark, and Jack Puleo* **Preliminary Assessment of the Interplay among the Capillary Rise, Atmospheric Evaporation, and Aeolian Sand Erosion:** *Paula Sarmiento, Luis Zambrano-Cruzatty, and Georgia Doore* **Modeling Effects of Biopolymer Treatment on the Overtopping Performance of an Earthen Embankment:** *Brock Huner, Ethan Vroman, Lucas Walshire, Anna Lancaster, and Jack Montgomery*	Where narrative, evidence, anecdote, logic, teamwork, oratory, and persuasion meet: "Yes" or "No" to our debate motion—two teams of two debaters face off— arguing for and against the motion with opening statements, discussion, rebuttal, experience, humor, and closing arguments, as we explore our professional practice in geotechnical site characterization using our own and others' data. Intrigued? Join us for an Oxford-style debate presented in three short rounds and help decide the winning team in our "before" and "after" audience polling. **Panelists:** *Allen Cadden, Principal, Schnabel Engineering* *Silas C. Nichols, Principal Geotechnical Engineer, USDOT, FHWA, Office of Bridges and Structures* *Mary Nodine, Principal Engineer, Morris-Shea Bridge Company* *Matthew Glisson, Director of Technical Activities, Deep Foundations Institute*	Providing a safe, adequate working platform is essential for stable construction equipment operation. Working platforms are temporary surfaces, typically compacted granular soils placed over weak ground, that support heavy equipment such as cranes and piling rigs. Poor platforms are a major cause of equipment instability, leading to injuries and financial impacts. This session emphasizes proper site investigation, accurate equipment loading, and sound design methods. It also covers best practices for platform design, maintenance, inspection, and evolving legal requirements. **Panelists** **The EFFC-DFI Guide to Working Platforms:** *Peter Faust, Malcolm* **Working Platform Design Aspects and Impacts:** *Scott Jacobs, Keller* **Nationwide Experience:** *Keith Mattecheck, Kiewit* **Local Legislative and Practice:** *Brian Garrett, Gerhart Cole* **OSHA Update:** *Rick Marshall, ADSC*	This session will feature early career industry geoprofessionals presenting on recent case histories. The presenters will be scored by a panel of judges during the session and the winner will present to the entire conference in a morning plenary.
12:00 p.m. – 1:00 p.m.	**Lunch in Exhibit Hall,** *Halls 1-3*					
1:00 p.m.– 2:30 p.m.	**Technical Sessions**					
Foundation Design and Performance **Moderator:** Aaron Gallant	**Geosynthetics** **Moderator:** Hossein Bahmyari	**Landslide Analyses and Case Studies** **Moderator:** Ben Leshchinsky & Ryan Rasanen	**Innovations in Site Characterization** **Moderator:** Julie Paprocki & Taylor Hall	**Seismic Hazards and Site Response** **Moderator:** Tyler Quick	**Panel Session: Centrifuge Modeling and Civil Engineering Practice** **Moderator:** Srikanth Madabhushi	
Evaluating the Effect of General Scour on the Axial Capacity of Driven Piles Considering Pile Installation: *Murad Abu-Farsakh and Isam Khasib* **Evaluation of End Bearing of Driven Steel H-Piles in Intermediate Geomaterials Based on Spherical Cavity Expansion Methods:** *Kam Ng, Nafis Masud, and Shaun Wulff* **A History of Foundation Engineering in Windsor, Ontario and Developments in Wick Drain Design:** *Mark Henderson* **Strain Gauge Instrumentation of Spliced Concrete Piles in Soft Alluvial Soils:** *Patrick Thurmond* **Large Diameter ACIP/CFA Pile Performance in Laramie WY:** *W. NeSmith and Steven Duncan* **Improvement on Existing P-Y Curves for Large-Diameter Piles in Cohesionless Soils:** *Shin-Tower Wang, Jose Arrellaga, Luis Vasquez, and Daqing Xu*	**Investigating the Impact of Cold Weather Aging and Temperature on Rock Simulant Puncture Resistance of Geomembranes:** *Calvin Tohm, Isaac Neved, and Bret Lingwall* **Comparative Study of Wicking and Conventional Geotextiles: Interface Properties and Drainage Performance for Slope Reinforcement:** *Jaime Suarez, Puneet Bhaskar, Darlene Goehl, and Anand Puppala* **Performance of Strip Foundations Reinforced with 3D-Printed Geocells:** *Sarper Demirdogen and Ayhan Gurbuz* **Multi-Axial In-Plane Creep Testing of Geogrids:** *Emre Duman, Michael Bauby, and David Frost* **Geogrid Stabilization of Railway Ballast under Varying Moisture Conditions Evaluated Using Bender Element Shear Wave Technology:** *Youngdae Kim, Hyunsoo Lee, Han Wang, Erol Tutumluer, Hugh Thompson, and Theodore Sussman* **Performance Evaluation of Geosynthetic-Reinforced Subgrade Soils Using Dynamic Cone Penetrometer Testing:** *Jongwan Eun, Ali Behdad, Yuan Feng, Laith Ibdah*	**A Physics-Informed Neural Network for Hydraulic Diffusivity Inversion in Rainfall-Induced Landslide Analysis:** *Shian Cao and Weibing Gong* **Evaluation of Retrogressive Slope Failure in Sensitive Clays Under Undrained Conditions with Smoothed Particle Hydrodynamics:** *Enrique del Castillo and Jun Geng* **Landslide Displacement Prediction Using Interferometric Synthetic Aperture Radar and Machine Learning Techniques:** *Lei Wang and Yuxin Yuan* **The Influence of Storm Time Series Characteristics on Landslide Triggering within a Watershed in Utuado, Puerto Rico:** *Mirna Kassem and Dimitrios Zekkos* **A Framework for Landslide Susceptibility Mapping for Minnesota Using Multi-Layer Perceptron Neural Network:** *Ambikesh Dwivedi and Surya Sarat Chandra* **The Utah Thistle Landside of 1983: A Historical Perspective:** *Blaine Leonard*	**Supporting Coastal Shorelines through Site Characterization of a Confined Dredged Material Disposal Facility in Southern New Jersey:** *Daniel Gallegos, Justin Shawler, Brian Harris, Kaitlyn McPherran, David White, Jonathan Hubler, and Monica Chasten* **AI-Powered Rapid Evaluation Scheme for Multiscale Properties of Porous Civil Engineering Materials: Integrating RGB Imaging, Voronoi Random Finite Element(VrFEM), and Numerical Virtual Experiments:** *Yusheng Jiang, Xiong Yu, Sreelakshimi Sreeharan, Kiranmayee Madhusudhan, and Hui Wang* **Updating CPT-Based Liquefaction Parameters Through Bayesian Inference: Insights From The 1979 Imperial Valley Earthquake:** *Kannebaigari Mahammad Rafi and Pinom Ering* **Site Characterization for Selected Liquefaction Case History Sites from February 6, 2023, Türkiye-Kahramanmaras Earthquakes:** *Arda Sahin, Robb Moss, Kemal Cetin, Scott Brandenberg, and Jonathan Stewart* **Shear Behavior of Mangrove Soils in Louisiana and Texas: A Dual Approach Using Large-scale Direct Shear Testing and In-Situ Cone Penetration Testing:** *Mohamed Hassan, Hamed Nasiri, Youssef Mousa, Andre Rovai, Ivan Lopez, Aaron Meyers, Jorge Gomez, Xiaochen Zhao, Daniel Jensen, Annemarie Peacock, Anna Armitage, Jaime Brinkley, Briana Sebastian, Jacob Berkowitz, Marc Simard, Robert Twilley, and Navid Jafari* **Leveraging Advances in Passive Seismic Methods for Improved Site Screening and Ground Risk Management from Project Planning to Construction:** *Thaleia Travasarou, David Valintine, and Gouri Mohan*	**Towards Improved Regional Liquefaction Hazard Assessments using Geospatial Surrogate Models:** *Morgan Sanger, Mertcan Geyin, and Brett Maurer* **Design and Integration of a Pneumatic Rainfall System with Seismic Shaking in the Geotechnical Centrifuge:** *Amir Alam Sayari, Ian McLeod, and Shideh Dashti* **Site and Basin Effects in the Central and Eastern U.S.: City- and State-Scale Evaluations in Memphis, New York City, and Massachusetts:** *James Kaklamanos, Laurie Baise, Christina Sanon, Elise Meyer, Irvin Guzman, and George Sachs-Walor* **Site Response for Nearly Vertical Incident P and SV Waves:** *Santosh Katuwal and Renmin Pretell* **Automated Workflow for 3D Site Response Analysis with Complex Stratigraphy Using LS-DYNA:** *Yizhen Yan, Ian Bruce, Kirk Ellison, Pawan Kumar, and Rica Chen* **Three-Dimensional Ground Response Analyses at the I-15 Downhole Array Site near Salt Lake City:** *Nishkarsha Dawadi, Tyler Jackson, and Brady Cox*	Basic principles of the centrifuge modeling technique and centrifuge facilities around the United States will be introduced. The panel will share past examples of centrifuge modeling tests informing real world designs, demonstrating how the results from various instrumentation approaches can reveal failure mechanisms at the ultimate limit state as well as validate predictions of the serviceability limit state. Applications ranging from foundation settlements to earthquake loading, coastal waves, and liquefaction will be illustrated to demonstrate the methods applicability from coast to-coast, as well as sharing perspectives from practitioners on the usage of centrifuge modeling in industry. The session will end with a panel discussion on future directions of centrifuge modeling and the evolving needs of engineering practice. **Panelists**: *Jenny Ramirez, Geosyntec* *Bret Lingwall, Bureau of Reclamation* *Jason DeJong, Professor, University of California Davis* *Anthony Tessari, Assoc. Prof., Rensselaer Polytechnic Institute* *Srikanth S. C. Madabhushi, Assoc. Prof. University of Colorado Boulder*	
2:30 p.m. – 3:30 p.m.	**Happy Hour with Posters in Exhibit Hall,** *Halls 1-3*					
2:30 p.m. – 4:30 p.m.	**Poster Session in Exhibit Hall,** *Halls 1-3*					
5:30 p.m. – 7:00 p.m.	**Awards Presentation & Karl Terzaghi Lecture,** *155BCEFG*					
7:30 p.m. – 9:00 p.m.	**Terzaghi Dinner (Invitation Only),** *Offsite*					

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Technical Program *(continued)*

Thursday, March 12, 2026

Track A | 255A	Track B | 255B	Track C | 255C	Track D | 255D	Track E | 255E
8:00 a.m. – 10:00 a.m.	**Plenary Session, Geo-PITs** *155BCEFG*			
10:00 a.m. – 10:30 a.m.	**Morning Networking Break,** *Halls 1-3*			
10:30 a.m. – 12:00 p.m.	**Panel Session: Changing the Paradigm for Large Landslides: Forecasting Time-to-Failure,** *155BCEFG*			
10:30 a.m – 12:00 p.m.	**Technical Sessions**			
Soil Behavior and Modeling **Moderator:** Sandeep Chitta	**Geoenvironmental Engineering** **Moderator:** Jongwan Eun	**Earth Retaining Structures** **Moderator:** Lei Wang	**Transportation Geotechnics** **Moderator:** Sadik Khan	**Panel Session: Solutions, Not Problems: Research-to-Practice Application** **Moderator:** Sean Ahdi
An Investigation on the Interactions between Two Roots Elements in Sand During Pullout: *Sujia Liu, Alejandro Martinez, and Jason DeJong* **Evaluating Chemically Stabilized Soils Using Geochemical Pore Solution Modeling:** *Ashish Bastola, Pavan Akula, and John Rushing* **Micro-to-Macro Exploration of Shear Behavior at Sand-Steel Interfaces:** *Lalit Kandpal, Prashanth Vangla, and Satoshi Matsumura* **Large-Scale Wave Flume Experiments for Modeling Coastal Seabed under Solitary Waves:** *Majid Ghayoomi, Ahmad Klait, Seyedalireza Mirghafouri, Ali Farhadzadeh, and Tian-Jian Hsu* **Influence of Xanthan Gum on Compaction and Shear Strength Behavior of Kaolinite and Loess:** *Rupsa Roy, Edward Asamoah, Beena Ajmera, Cassandra Rutherford, Yuderka Trinidad Gonzalez, Lucas Walshire, Ethan Vroman, Mohammed Mohammed, and Benjamin Breland* **Printability and Structural Integrity of Fiber-Reinforced Earth-Based Materials for 3D Printing:** *Nitin Tiwari znd Suvechha Dhakal*	**Enhanced Shear Strength of Wildfire Impacted Soils Using Biochar and Chitosan:** *Krishna Reddy, Banuchandra Nagaraja, Jagadeesh Kumar Janga, and Arvin Farid* **Efficacy of Construction and Demolition Waste on the Strength Enhancement of Expansive Soil: An Experimental Exploration:** *Shailesh Kumar Yadav, Amaan Hussain, and Ramakrishna Bag* **Sediment ISS in an Aqueous Environment: An Innovative Adaptation of a Proven Remedial Technique:** *Darin Payne, Ken Andromalos, Nathan Coughenour, Angelo Toscano, and Michelina Ponziani* **Geotechnical Assessment of Dredged Sediments as an Infiltration Berm Medium:** *Ahmet Aydilek, Allen Davis, Adam Smith, and Eren Kaya* **Water Repellent Soils in Geoenvironmental Applications:** *Michael Uduebor, Vincent Ogunro, and John Daniels* **Effects of MICP Stabilization Using Aerobic Denitrification and Non-sterile Ureolysis Pathways on Sand Column Properties:** *Yasaman Abdolvand, Mohammadhossein Sadeghiamirshahidi*	**Post-Failure Stability Analyses of I-295, Wall 22:** *Alexander Reeb and George Filz* **Anchored Bridge Abutments and Soil Nail Walls in Upper Coastal Plain Soils: College Street Bridge, Macon, Georgia:** *Graham Elliott, Justin Wood, and Ethan Brown* **Chloride Corrosion and Earth Retaining Systems: Novel Measurement and Calibration Techniques to Track Chloride Movements in Soils:** *Jenna Stein, Srikanth Madabhushi, and Ronald Park* **Large-Scale Testing to Evaluate Lightweight Cellular Concrete (LCC) Backfill behind MSE and Cantilever Walls:** *Kyle Rollins, Ryan Maw, Ryan Wilkinson, Christian Lundskog, Meghann Morgan, and Mathew Bueckers* **Incidence of Partial Failures in a Retention System Composed of Anchored Piles Using a Finite Element Model:** *Jackson Gil-Hernandez, Laura Rojas-Oviedo, Astrudillo-Ramirez, and Luis Arboleda-Monsalve* **Case History of the Design of Temporary Earth Shoring in Clay Soil for the SLCIA TRP Central Tunnel:** *Brian Garrett and Michael Haas*	**Characterisation of Foamed Asphalt Stabilised Base Course Layers for the Thickness Design of Aircraft Pavements:** *Greg White* **Evaluating Pavement Resilience to Freeze-Thaw Cycles Geocell and Geocomposite Reinforcements: A Two-Year Field Study:** *Berjees Anisa Ikra, Yongxuan Gao, Jiming Liu, Taylor Dagenais, Arghya Chatterjee, Sanat Pokharel, Min Sun, and Cheng Lin* **Performance of Wicking Geotextile for Flexible Pavements Built Over Frost Susceptible Soils:** *Md Fyaz Sadiq, Daniel Mirzaiyan, Mohammad Wasif Naqvi, Bora Cetin, and Raul Velasquez* **Verification of a Finite Element Model Utilized to Simulate the Vibratory Response of a Compaction Roller:** *William Baker and Christopher Meehan* **Effect of Axle Configuration on Railway-Induced Vibrations:** *Tapan Suyal and B.K. Maheshwari* **Numerical Analysis of Climate-Induced Changes in Pavement Subgrade Performance:** *Amanda Sampaio and Yuderka Trinidad Gonzalez*	Standards in geotechnical earthquake engineering are rapidly evolving with the increased availability of computational resources and advanced modeling techniques. While these methods can be challenging to apply and interpret, they offer significant benefits such as cost savings, risk reduction, and improved knowledge transfer from research to practice. A panel of experts from industry, academia, and government will discuss practical applications of research-grade solutions, including seismic hazard assessment, ground motion characterization, dynamic material testing, and advanced modeling for soil-structure interaction and 2D/3D seismic site response. **Panelists:** *Alfonso Cerna-Díaz, AECOM* *Shideh Dashti, University of Colorado, Boulder* *Kirk Ellison, ARUP* *Christie Hale, Geosyntec* *Youssef Hashash, University of Illinois Urbana-Champaign* *Sissy Nikolaou, NIST* *Özgün Numanoğlu, Geosyntec*
12:00 p.m. – 1:00 p.m.	**Lunch in Exhibit Hall,** *Halls 1-3*			
1:00 p.m. – 2:30 p.m.	**Ralph B. Peck Lecture,** *155BCEFG*			
1:00 p.m. – 6:30 p.m.	**Exhibitor Moveout,** *Halls 1-3*			
2:30 p.m. – 3:00 p.m.	**Closing Ceremony ,** *155BCEFG*			

Plenary Sessions and Geo-PIT

Tuesday, March 10

8:00 a.m. – 10:00 a.m.

The Engineer as Poet: How to Write a Geo-Poem, **Mary Nodine,** Morris-Shea

Advancing Earthquake Resilience through Research-Industry Partnership, **Diane Moug,** Portland State University

Lessons from Battles of the Rock Bands, **Craig Rollins**

Climber for Scale: Engineering Geology in Rock Climbing, **Ari Menitove,** UDOT

Wednesday, March 11

8:00 a.m. – 10:00 a.m.

How We Made Sustainability Hard to Love, **Kimberly Martin,** Keller

Five Lessons in Five Years: Musings of a Young Geotechnical Engineer, **Intisar Ahmed,** GeoEngineers

Engineer or Leader: Why Not Both?, **Carol Haddock,** ASCE President 2027

Thursday, March 12

8:00 a.m. – 10:00 a.m.

Invisible or In Charge: (If foundations could talk), **Morgan NeSmith,** Berkel

Estuarines, Tidal Flats, and Salt Marshes: Why Every Geotechnical Engineer Should Care, **Julie Paprocki,** University of New Hampshire

1:00 – 2:30 p.m.

How Utah's Geology Uniquely Shapes the Utah Cutthroat Slam, **Nick Langford,** Gerhart Cole

Droning on or Spicing Up? A Foodie's Take on Digital Twins, **Surya Congress,** Michigan State University

Geo-PIT

Committee Meetings

Location:

Calvin L. Rampton Salt Palace Convention Center

Monday, *March 9*

ALL MONDAY MEETINGS BY INVITATION ONLY

8:00 a.m. – 12:00 p.m.

Technical Coordination Committee	355B

1:00 p.m. – 5:00 p.m.

Technical Committee Chairs Workshop	355B

Tuesday, *March 10*

10:00 a.m. – 12:00 p.m.

Sustainability in Geotechnical Engineering	355B
Deep Foundations	355C
Rock Mechanics and Engineering	355F

11:00 a.m. – 12:00 p.m.

USUCGER: United States University Council on Geotechnical Education and Research	355A

1:00 p.m. – 2:00 p.m.

Professional Practice Committee	355A

1:00 p.m. – 3:00 p.m.

Geotechnics of Soil Erosion	355B
Computational Geotechnics	355C
Pavements	355E
Shallow Foundations	355F

3:00 p.m. – 5:00 p.m.

Outreach and Engagement Committee	355A
Energy Geotechnics Task Force	355B
Risk Assessment and Management	355C
Geoenvironmental Engineering	355D
Earth Retaining Structures	355E
Soil Properties and Modeling	355F

Wednesday, *March 11*

10:00 a.m. – 12:00 p.m.

DIGGS	355A
Geosynthetics	355B
Grouting	355C
Unsaturated Soils	355E
Innovative Technologies & Tools in Geotechnical Engineering (INNC)	355F

1:00 p.m. – 3:00 p.m.

Local Involvement Committee (by invitation only)	355A
Student Leadership Council	355B
Underground Engineering	355E
Soil Improvement	355F

3:00 p.m. – 5:00 p.m.

Earthquake Engineering and Soil Dynamics	355B
Geophysical Engineering	355C
Organizational Members Council	355D
Engineering Geology and Site Characterization	355E
Embankments, Dams and Slopes	355F

7:00 p.m. – 9:00 p.m.

Younger Member Committee	355C

Thursday, *March 12*

10:00 a.m. – 12:00 p.m.

Geo-Challenge Committee	355A

Tuesday, March 10, 2026

2:30 p.m. – 4:30 p.m.

Machine Learning-Based Estimation of SPT-N Values from CPT Measurements: Vahidreza Mahmoudabadi, Milad Fatehnia

Performance-Based Testing of Trenchless Pipeline Rehabilitation: Sina Senji, Shideh Dashti, Brad Wham

Application of coal-derived char in cement-stabilized sodium bentonite-sand soil for subgrade applications: Kam Weng Ng, Chooi Kim Lau, Hua Yu, Kamal Gautam

Engineering Performances of Silty Sand Stabilized by Reactive Magnesia Activated Granulated Blast-furnace Slag: Ningjun Jiang, Bowen Yu, Qianwei Ma

Influence of Cement Dosage and Plasticity on the Stiffness of Stabilized Clays: Classification & Mechanical Response: Balaji Bandaru, R.G. Robinson, Ramesh Kandasami

Potential of Selected Grass Species for Phytoremediation of Diesel Hydrocarbon Contaminated Soils: Abdulbasit Sa'eed, Kolawole Osinubi, Thomas Ijimdiya, Ochepo Joshua, Adrian Eberemu

Data-Driven Machine Learning Surrogates to CTHBM Model for MSW Landfill Settlement Prediction: Jagadeesh Kumar Janga, Krishna Reddy

Durability of Zein-Treated Sand under Wetting-Drying Cycles: Yong-Hoon Byun, Yoon-Hoon Heo, Adolf Minta, Quadri Babatunde

Photogrammetry Quantifies Rock Slope Movements Induced by Temperature Change: Fulvio Tonon

Evaluating the Influence of Surface Characteristics on Shear Strength of Sand-Fines Mixture Soil-Foundation Interface: Mu'ath I. Abu Qamar, Azhar Hamad, Mohammad Tamimi, Ammar Alshannaq, Aya Migdadi

Integrating Numerical Modeling and Stochastic Weather Generation to Predict Environmentally-driven Seasonal Ground Movements in Expansive Clays: Mahdi Seyyedan, Jiali Ma, Andrew Whittle

Utilizing Lime Sludge as a Co-additive to Cement Stabilized Expansive Soils under Cyclic Environmental Stressors: Sopharith Chou, Jianxin Huang, Anand Puppala, Bora Cetin, Raul Velasquez

Compressible Soil Considerations for Design and Construction of a Water Treatment Facility: Stoney Mather, Braden Error, Bryan Franke

Measuring the Shear Strength of Spartina Alterniflora Vegetated Soil in Delaware Salt Marshes Using Field Vane Shear Tests: Siamak Yoosefi, Christopher Meehan, Mohammad Amin Nozari, Claudia Zoccarato

Multiscale Analysis of Water Stability and Durability of High-Dosage Phosphogypsum Subgrade Fillers in Water-Rich Environments: Ningjun Jiang, Huaming Lu, Qianwei Ma, Zihao Hu

Assessing the Spatial Variability in Geotechnical Sediment Properties on a Sandy Hardbottom Intertidal Beach: Stephen Adusei, Nina Stark, Noah Evans, Jaquline Mueller, Arianna Martin

Feasibility of Geothermal Energy Pile Use in Soft Alluvial Deposits in New Orleans Area: Patrick Thurmond

Validating Machine Learning Based Subsurface Predictions with Geophysical and Boring Data: Aavash Ghimire, Kaleigh Yost, Ross Cutts, Tieyuan Zhu

Effect of Clay Mineralogy on the Extent of Ettringite-induced Heaving in Lime-treated Sulfate-rich Soils: Ajeyo Mukherjee, Vipul Kotha, Sayantan Chakraborty, Suresh S., Nripojyoti Biswas, Suman Roy

Geotechnical Engineering and Near-Surface Geophysics – Correlations of Parameters Using Machine Learning: David Barrick, Curtis Link

Imaging Suspended Sediment Concentration in Ship Channels with Marine Electrical Resistivity: Andrew Gombac, Stacey Kulesza, Jens Figlus

Impact of Arch Geometry on Subsurface Settlement Prediction Due to Tunnelling in Sand Considering Soil Arching: Venkata Medishetty, Quamar Tabish, Kousik Deb

Correlation Between Monitoring While Drilling (MWD) Compound Parameters and Undrained Sheer Strength of Fine-Grained Soils in Nebraska: Michael Erzuah, Yasaman Abdolvand, Mohammadhossein Sadeghiamirshahidi, Nikolas Glennie, Alex Silvey, Raul Velasquez

Application of Sole Shallow Geothermal Systems for Deicing and Enhancing the Resilience of Existing Bridge Decks: A Field Testing Approach: Amin Mohammadzadeh, Mir Ali Hosseini, Omid Ghasemi-Fare, Zhihui Sun

Innovative Approaches to Addressing Surficial Slope Failures: The Role of Engineered Earth Armoring Solutions in Enhancing Infrastructure Resiliency: Jared Hill, Drew Loizeaux

Geotechnical Challenges and Innovative Solutions for the Hyundai Motor Group Metaplant America (HMGMA) in Georgia: Guoming Lin

Probabilistic Analysis of Compacted Embankments Using Kriging Surrogates: Rakshanda Showkat, G L Babu, Deepankar Choudhury

Assessing Landslide Risk and Susceptibility in Michigan's Upper Peninsula: A Case Study of the 2003 Rockland Incident: Yasaman Abdolvand, Mohammadhossein Sadeghiamirshahidi

Enhancing 3D Soil Characterization through Machine Learning from CPT data: Laith Sadik, Sara Khoshnevisan

Evaluating the effect of MICP treatment on problematic calcareous soil of Hormoz Island in Iran: Yasaman Abdolvand, Mohammadhossein Sadeghiamirshahidi, Mohammad Vahid

Probabilistic Scheme for Seismic Fragility Analysis of Nuclear Power Plants under Earthquake Hazards: Lei Wang, Skarleth Gutierrez

Behavior of Single Pile in Unsaturated Clay: Vinay Thakur, Ashutosh Kumar

Machine Learning-Based Prediction of Soil Electrical Resistivity Using Field-Instrumented Hydrologic Data: Md Jobair Bin Alam, Robi Mozumder, Naima Rahman, Chukwuzubelu Ufodike

Coal Fly Ash-Based Passive Treatment of Acid Mine Drainage: Masrur Mahedi, Bora Cetin, Kaoru Ikuma, Rayla Vilar

Sorption Performance of Sandy Clay Soil Using Duraflex as a Cement Admixture Against Iron Contamination: Jonny Joan Mercedes Balcazar, Giancarlo Flores

Improving Strength and Cohesion in 3D-Printed Soil Composites Using Xanthan Gum: Sampson J. Arku, Cassandra J. Rutherford

Assessing the Impact of Wildfire Intensity on Soil Water Retention Curve: The Role of Soil Organic Matter and Mulching Strategies: Avishek Ghosh, Md Raihanul Alam Chowdhury, Aritra Banerjee

Dynamic LCA Framework for Environmental Impact Assessment of a Tunnel in Northwestern China: Ningjun Jiang, Xinlei Hu

Disconnected Combined Pile-Raft Foundations: A Comprehensive Review for Optimal Performance: Arpita Ray, Deepankar Choudhury

Influence of Boundary Conditions on Centrifuge Tunnel Tests: Felipe Vitali, Osvaldo Vitali, Antonio Bobet, Tarcisio Celestino

Reliability Analysis for Differential Settlement of Shallow Bridge Foundations in Cohesionless Soils: Aseel Ahmed, Andrzej Nowak, Brian Havens

A Hybrid Physics-Guided and Machine-Learning Framework for Modeling Ground Subsidence in the Greater Houston Area: Yong Je Kim, Arip Nur, Jinwoo An

Monitoring Soil Resistivity in Highway Slopes to Evaluate the Performance of the Slope Stabilized with Vetiver Grass: Fariha Rahman, Sadik Khan, Avipriyo Chakraborty

IoT Enabled Data-Driven ML For Predictive Modeling in Unsaturated Soil Mechanics: A Q M Zohuruzzaman, Mahdi Zulfikar, Sadik Khan

Enhancing the Chemical Compatibility of Calcium Bentonite-Soil Vertical Barrier through Biostimulated MICP: Ningjun Jian, Yu Zhang

Biopolymer-Based Injection for into Cracked Soil Mass: Evaluation of Workability, Shrinkage, and Bonding Performance: Leela Krishna Mohan Radarapu, Zachary Nick, Samantha Lucker, Lucas Walshire, Marcelo Sanchez

Experimental Investigation of the Depth of Influence of Simultaneously Recorded Compactometer and Machine Drive Power Measurements: William Baker, Christopher Meehan

Nonlinear Shear Strength Characteristics of a Silty Soil Under Varying Moisture Conditions: Kalani Rajamanthri, Sravan Thandrangi, Claudia Zapata

Enhancing Granular Surface Material Performance Using California Bearing Ratio and Repeated Load Triaxial Tests: Mahsa Belalzadeh, Jeramy Ashlock, Umar Farooq, Bora Cetin

Impact of Rainfall Variability on Landslide Stability: A Study on Chattogram Hill Tracts Using GeoStudio Software: Mahmudur Rahman, Md. Azijul Islam, Md. Anisur Dip

Performance Assessment of Self-Induced and Externally Induced Pozzolanic Reactions in Lime-Treated Expansive Soil: S Chandru, S Jayalekshmi

Evaluation of the Bearing Capacity of Ring Foundations Placed on Weak Clays Reinforced with Circular and Annular Stone Columns: Sudipto Mukherjee

Novel Biogeochemical Cover for Landfill Gas Mitigation: Insights into Microbial Diversity: Gaurav Verma, Krishna Reddy

Consolidation Behavior of Stone Column-Improved Soft Soil Under Different Applied Stress Conditions: Tekkali Satya Durga, Kousik Deb, Aniruddha Sengupta

Field Performance of Compacted Amended Clay Liners at an Industrially Polluted Site: Jialei Wan, Jiaming Wen, Yingzhen Li, Chi Che, Yanjun Du

Swelling Behavior of a Hydrophilic Seal and Flow Rates of the Interlocking System in Composite Geomembrane Cutoff Walls Exposed to Metal-Rich Solutions: Min Wang, Xian-Lei Fu, Yan-Jun Du

Durability Evaluation of Soil-Geopolymer Based Composites for 3D Printing Applications in Geotechnical Engineering: Akash Tanshette, Zoheb Faisal, Jianxin Huang, Anand Puppala

Comparison of Sandy Beach Moisture Content Measurements from In Situ Sampling and Moisture Probes: Julie Paprocki, Muhammad Touqeer

Surface Effects on Variability of Horizontal-to-Vertical-Spectral Ratio (HVSR) Measurements in Urban Areas: Braydon Smith, Brent Rosenblad

Comparative Study of Under-Reamed and Conventional Piles Subjected to Horizontal Machine-induced Vibration in Homogeneous Clay: Sayantan Banerjee, Debarghya Chakraborty

Enhancing the Properties of Landfill-Mined Legacy Soil-Like Fine Fractions Through Local Soil Blending: A Novel Approach: Pradyumna Konar, Satyendra Mittal, Absar Kazmi

Sustainability Benefits Assessment of Cement and Recycled Concrete Aggregate Fines in Subgrade Stabilization Application: Muddassir Sanei, Nripojyoti Biswas, Jianxin Huang, Anand Puppala

A Cone-Penetration-Test Inversion Model Trained by Machine Learning: Gunjan Rateria, Brett Maurer

Laboratory Study on Stiffness and Strength of Cement Stabilized Clay Subjected to Four-Season Durability Cycles: Kyle Parr, Jianxin Huang, Anand Puppala, Jeb Tingle

Use of Expanded Polystyrene in Slab-on-Grade Concrete Foundation Systems for Thermal Insulation and Settlement Reduction: Mahia Mahbub Riana, Jianxian Huang, Shanmukha Sai Avinash Gonnabathula, Anand Puppala

Development of Machine Learning-based Software for Geotechnical Subsurface Characterization: Case Studies from Singapore: Xiangfeng Guo, Ze Zhou Wang, Yue Hu

Evaluation of Rock Fractures in the Laboratory Using Acoustic Emission Measurements and Digital Image Correlation: Shahrzad Roshankhah, Shivesh Shandilaya

Consideration of Spatial Variability and Environmental Impacts in the Probabilistic Design of Driven Piles in Sand: Dora DeMelo, Jason DeJong

Cut-and-Cover Construction Using Floating Diaphragm Walls - A Case Study: Chu Ho

Ground Improvement for Liquefaction Mitigation at Sevier Bridge Dam: Travis Gerber, Jed McFarlane, Ryan Cole, Richard Buhler, Phil Gerhart

Static and Cyclic Behavior of Oil Contaminated Sand: Anjali Verma, Nihar Patra

Numerical Simulation of Damage in Pile for Health Monitoring Using 3D-FEA: Sukanta Das, Satoshi Matsumura, Meisam Goudarzy, Robert Kayen

Cement Enhanced Short Columns for Stabilizing Plastic Clays under Structures: Muawia Dafalla, Abdullah Shaker

Fluidization and Stabilization of Soft Soil Subgrades under Cyclic Rail Loading: Buddhima Indraratna, Bin-Hua Xu, Cholachat Rujikiatkamjorn, Joseph Arivalagan, Mandeep Singh

Performance Evaluation of Virgin and Recycled Aggregate Blends for Unpaved Roads Under Freeze-Thaw Cycles: Umar Farooq, Celso Santos, Bora Cetin, Jeramy Ashlock, Mahsa Belalzadeh

Effect of Plasticity Index on the Spatiotemporal Evolution of Desiccation-Induced Strain Localization in Compacted Clayey Soils Using DIC: Ajanta Sachanr

Application of Phase Change Material in Enhancing the Efficiency of Geothermal Energy Piles: Sohail Saheb, Omid Ghasemi-Fare, Mark McGinley

Sustained Collapse Testing of Soluble Soils in The Moab Valley: Taylor Hall

Enhancing Shear Strength of Sandy Soils Using Enzyme-Induced Carbonate Precipitation and Sodium Alginate Biopolymer: Shantanu Paul, Anas Bin Faruque, Azmain Mottaqi, Arzida Binta Anwarr

Applications of Aerial LiDAR Datasets for 3D Probabilistic Slope Stability Analysis of Transportation Geotechnical Infrastructure Assets: Raja Jaladurgam, Surya Sarat Chandra Congress, Raul Velasquez, Jason Hedeen, Wolff Thomas, Bora Cetin

Effect of Soil Permeability of Liquefiable Ground on Pile Group Behavior: 3D Numerical Analysis: Sareh Kamran, Morteza Rajabigol, Fariborz Tehrani

Quality of Recycled Materials Resulting from Full Depth Reclamation of an Airfield Asphalt Pavement: Victor Garcia, Mark Different, Alvaro Rodriguez, Waldemar Perez

Exploring the Potential of Nuclear Magnetic Resonance (NMR) for Geotechnical Property Characterization: Ryan Rasanen

Groundwater Control and Excavation Support For the Salt Lake City Water Reclamation Facility Influent Pump Station: Scott Simmons, Scott Chambers, Eric Lindquist, Matt Kennedy

Testing Considerations for Quantifying PFAS Adsorption by a Soil-Bentonite Matrix Amended with Granular Activated Carbon: Leeann Michael, Kevin Gilmore, Michael Malusis, Austin Wadle

Acoustic Emission Monitoring of Cohesive and Cohesionless Soils During Consolidation and Shear Phases: Saad Allah Solh, Sherif Abdelaziz

Pore Pressure Accumulation and Pullout Capacity Reduction of Suction Anchor Foundations for Floating Offshore Wind Turbines under Cyclic Tensile Loading: Amin Rafiei, Fahim Hassan

Antifreeze Cellulose Nanofiber Gels for the Sustainable Improvement of Soils against Freeze-Thaw Deformations: Mohammadhasan Sasar, Sherif Abdelaziz

Water Adsorption of Non-Saline and Salt-Affected Clay: Omid Ghasemi-Fare, Shaya Banar

Impact of Hydrophobic Material on Kaolin Slurry Consolidation: Kushal Sharma, Ruoyu Zheng, Xinbao Yu, Laureano Hoyos

Feasibility of Slope Failure Identification using Google Street View: Tingkai Wang, Justine Gacho, Benamar Mebarkia, Daniel Gao

Numerical Investigation of Micropile Group Lateral Capacity for Anchoring Floating Offshore Wind Turbines in Rocky Seabeds: Neda Jamaleddin, Mohammed Gabr, Roy Borden, Richard Argall, Donald Lasser

Appraising the Potential to Responsibly Recycle Plastic Within Pavements, Pipe, and Rail Infrastructure: Jason Stewart, Abby Cisko, Chris Wacinski, Isaac Howard

Innovative InSAR-Based Method for Multi-Scale Risk Assessment of Seasonal Impacts on Water Main Breaks: Yusheng Jiang, Hui Wang, Xiong Yu

Large-Scale Carbonation of Recycled Concrete Aggregates and Implications for Sustainable Materials for Transportation-Geotechnics: Hossein Sousanabadi Farahani, Chris Hawkins, Jiong Hu, Eric Thompson, Seunghee Kim

Evaluating the Durability and Recycling Potential of Xanthan Gum-Amended Soils for Sustainable Geotechnical Infrastructure: Alek Zhang, Prince Catacutan, Pania Newell, Marta Miletic

Enhancing Geotechnical Data Workflows Through Open-Source Integration: Xin Peng, Jesse Rauser

Characterization of Recycled Materials for Advancing Sustainable Utilization into Transportation Geotechnical Infrastructure: Balaji Lakkimsetti, Shanmukha Sai Avinash Gonnabathula, Anand Puppala

A Sustainable Hybrid Stabilization Approach for Expansive Soils: Integrating Enzyme-Induced Carbonate Precipitation with Sodium Alginate Biopolymer: Shantanu Paul, Anas Bin Faruque, Azmain Mottaqi, Ojashwy Islam Audri

Aggressive Rehabilitation of Gravel Roads With and Without Enzymatic Soil Stabilizer: Godfred Akwaa, Jeramy Ashlock

Centrifuge Modeling of Laterally Loaded Piles and CPT-Based p–y Curves in a Soft Clay: Shahriar Khorami, Mohammad Khosravi, Srikanth Madabhushi, Ali Khosravi

Evaluating Time-Dependent Strength Gain in Tailings Using Cone Penetration Test Data from a Large Tailings Storage Facility: Akhter Hossain, Juan Ayes-Zamudio, Tony Freiman

Strain-Dependent Effects of Microplastic Contamination on the Strength and Modulus of Kaolin Clay: Wing Shun Kwan, Elizabeth Nunez, Brandon De Jesus

Predicting Axial Capacity of Pipe Piles using Artificial Neural Networks: Baturalp Ozturk, Antonio Kodsy, Magued Iskander

Using Machine Learning (ML) Method to Improve Correlations between SPT and TCP Data: Jie Huang, Drew Johnson, Fei Wang

Verification Infiltration Testing for Stormwater Management Design for a Light Rail Extension Project in Washington State: Roy Jensen, Blake Lytle-Goldstein, William Hickey, Madan Karkee, Garry Horvitz

Engineering Considerations and Case Histories of Landfill Intermediate Covers: Ming Zhu, Bryan Scholl

Evaluating the Efficacy of Instrumented Settlement Plates (ISP) in Monitoring Geotechnical Properties of Dredged Sediments in Marsh Creation Projects: Omar Snosi, Navid Jafari

Current Practice of Load and Resistance Factor Design of Driven Piles with Dynamic Testing and Analysis in the United States: Xiaoming Yang, Soonkie Nam, Yuting Zhang

Drive Point Tests and Measurement-While-Drilling Technologies: Literature Review: Syed Shadman Sakib, Jie Han, Robert Parsons

Improvement of Mechanical Properties and Erosion Resistance in Soils Using Biopolymers for Sustainable Geotechnical Applications: Bin Zhang, Kejun Wen

Sustainability Analysis of MICP-Treated High-Fines Soil with Geocell Reinforcement for Pavement Base Stability: Bhaskar Chittoori, Mabin Dahal, Nick Hudyma

Enhancing Durability and Permanency of Problematic Soils Using Silica-Based Co-Additives with Calcium-Based Stabilizers: Nripojyoti Biswas, Sopharith Chou, Krishneswar Ramineni, Sayantan Chakraborty, Anand Puppala

Dynamic Stability Assessment of a Jointed Rock Slope in the Seismically Active Himalayan Region: A Case Study from Uttarakhand, India: Amalesh Jana, Arindam Dey, Sreedeep S

Potential of Biopolymer-Enhanced EICP Biocementation in Rock Mass: Mary Ngoma, Oladoyin Kolawole

On the Use of CPT Correlations to Identify and Determine the Engineering Properties of Diatomaceous Soils: Ariadna Covarrubias Ornelas, Diane Moug, T. Matthew Evans

A New, Multi-Scale Perspective on Polymer Support Fluids: Catherine O'Sullivan, Si Suo, Stephan Jefferis, Martin Blunt, Yongxin Wang

Performance Evaluation of Deeply Embedded Ring Anchors in Saturated Sand: Mohamed Ali, Junho Lee, Charles Aubeny

Measurement of Contact Angle for Different Soil Minerals Using Two Methods of Sessile Drop (SD) and Water Drop Penetration Time (WDPT): Jongwan Eun, Laith Idhah, Yuan Feng, Ali Behdad

Stabilization of Construction and Demolition Waste with High Fines Content using Biopolymer: Beatrice Magombana, Shihui Liu, Lin Li, Kang Du

Load Transfer in an End-Bearing Auger-Cast Pile: Laboratory-Scale Single-Pile Tests and Numerical Simulation: Edgar C. Correa-Prada, Jorge E. Orozco-Herrera, Jackson Gil-Hernandez, Luis G. Arboleda-Monsalve, Kevin R. Mackie, Rodrigo Herrera

Modeling Solute Transport through Semipermeable Bentonite-Based Barriers under Transient Conditions: Andrea Dominijanni, NicolÒ Guarena

Optimizing Metakaolin-Cement Proportions for Stabilizing Aggregate Quarry By-Products: Mechanical Property Assessment: Taeyun Kong, Issam Qamhia, Erol Tutumluer

Validation of Tri-directional 1D Site Response Analysis in LS-DYNA: Case Studies of Service Hall Array in Japan: Alejandro Huaman, Ramin Motamed, Kirk Ellison, Pawan Kumar, Salman Rahimi

Early Detection of Slope Deformation Using Airborne LiDAR Monitoring: Md Fahimuzzaman Khan, A Q M Zohuruzzaman, Sadik Khan, Ian LaCour

Lab-Scale Evaluation of Using Type-IL and LC3 Cements in Deep Mixing Applications- Stage One- Fresh Grout Properties: Mahsa Salehi Nia, Chadi El Mohtar

Post-Wildfire Landslide Susceptibility Assessment Following January 2025 Palisades Wildfire in Southern California: Hao-Qing Yang, Farshid Vahedifard, Ben Leshchinsky

Erodibility assessment of clay modified with lime and recycled materials: Mahsan Keshavarz, Wilson Espinoza

Wednesday, March 11, 2026

2:30 p.m. – 4:30 p.m.

A Cofferdam Design with Finite Element Modeling Verification: Wen Jun Dong, Yue Xu

A Database of Aftershock Ground Motions Recorded by the I-15 Downhole Array Following the 2020 M5.7 Magna, Utah Earthquake: Tyler Jackson, Brady Cox

A Development of the Modified Cam-Clay Model for Unsaturated Soils under Elevated Temperatures: Toan Cao

A Laboratory Protocol for Simulating Installation Damage in PVC-Coated PET Woven Geogrids Based on a Targeted Reduction Factor: Sezgin Sarak, Burak Tanyu, Erol Guler

A Machine Learning Framework for Predicting Liquefaction Ejecta Severity: Lianne Brito, Shideh Dasti, Abbie Liel, Brad Wham

A Practical Correlation for Axial Strain at Failure in Drained Triaxial Compression of Sands: Miguel Pando, Youngjin Park

A Study of Laboratory Compaction Methods for Foamed Glass Aggregate: Shafkat Bin Jafar, Haifang Wen, Michael McGuire, Tuncer Edil

An ML-Based System for the Early Detection of Earth Slope Failures Using IoT Sensing Technology: Mehnaz Antora, Fyaz Rahman, Omar Miloudi, Rahul Debnath, Jobair Alam, Ahmed Ahmed

An Experimental Investigation on Solar Panel (H-Shape Steel) Pile and Frozen Soil Interaction: Zihao Shang, Leela Krishna Mohan Radarapu, Chang Huang, Alfred Williams, Jeffrey Liu, Rohit Pant, Marcelo Sanchez

Application of Machine Learning for Identification of Hidden Rock Sites Using Earthquake Records: Michael Dupuis

Application of a Concrete Constitutive Model to Marine Clays Treated with Calcium Carbide Residue: Charity Marbaniang, Ashish Juneja

Assessing Landslide Susceptibility in a Changing Climate: Integrating Future Land Use Scenarios: Nabin Budhathoki, Yuderka Trinidad Gonzalez

Assessment of Analytical and Numerical Methods for Stability of Embankments over Deep Mixed Columns-Improved Soft Ground under Undrained Conditions: Haohua Chen, Jie Han, Robert Parsons

Assessment of Erosive Conditions at Cumberland Island National Seashore in Southeast Georgia: Christopher Harrigan, Raphael Crowley, Cigdem Akan, Christopher Bender

Assessment of Satellite-Based Remote Sensing Methods for Levee Monitoring: Debayan Ghosh, Puneet Bhaskar, Vinaykrishnan Lakshminarayanan, Anand Puppala

Assessment of Expanded Clay Aggregate for Use in Railroad Embankments: Behdad Mofarraj, Saeed Goodarzi, Jack Moore

Assessment of Restricted Zone for Blast Induced Liquefaction and Its Effect on Nearby Slopes: Karan Gupta, Tapobrata Lodh, Kaustav Chatterjee

Calibration of Pressure-Dependent Multi-Yield Surface Constitutive Soil Model for Undrained Cyclic Shear Behavior of Low Plasticity Silt: Arash Khosravifar, Benyamin Jalilnavaznovin

Case Study: Liquefaction Evaluation and Comparison with Reconnaissance Observations in the Port of Manta, after the Mw 7.8 Earthquake of April 16, 2016, in Pedernales, Muisne (Ecuador): Karina Roman-Solorzano, Santiago Caballero Olmedo

Case of Slope Collapse and Reinforcement of a Cut Retaining Wall Applied to the Colluvium Layer in the Limestone Zone: Yong Eun Roh, Min Ku Yu, Ilhan Chang

Classification of Densely Packed Sand Particles Using a Digital Camera and the Segment Anything Model (SAM): Linzhu Li, Magued Iskander

Comparative Analysis of AI Models for LiDAR and Drone Based Change Detection in Slope Stability Assessment: Suprobha Darothy, A Q M Zohuruzzaman, Sadik Khan

Comparative Analysis of Seismic Hazard Parameters in India: A Dual-Scale Approach: Arindam Das, Ranjit Das, Deepankar Choudhury

Coupled Hydro-Mechanical Analysis of Rainfall Induced Shallow Slope Instabilities: Rupsa Roy, Beena Ajmera, Binod Tiwari

Critical State Behavior of Granular Materials From Direct Shear, Simple Shear, and True Triaxial Discrete Element Simulations: Esteban Patino Marin, Fernando Thibodeaux Garcia, David Zapata Medina, Luis Arboleda Monsalve

Cross-Comparison of Plastic Hardening Models in FLAC3D and PLAXIS3D for Soil Behavior Simulation: Mehrdad Karimipetanlar, Peter Kottke, Mahsa Jerdi

Cut-off Wall Construction of the Bastora Dam: Seepage Solution: Bestun Shwan, Yassen Azeez, Khalil Hamadamin

Dynamic Response of Sheet Pile Wall with Liquefiable Backfill: Aya Abuo Zenab, Vishwas Sawant, Akanksha Tyagi, Ali Mayya

Deciphering Landslide Formation and Evolution Processes: A Time-Series Interferometric Synthetic Aperture Radar Based Investigation: Xiong Bi, Yichuan Zhu, Joseph Coe

Deep Neural Network-Based Landslide Susceptibility Mapping in Himachal Pradesh: A Comparative Study with Conventional Models: Shivam Sharma, Rizul Sharma, Kunjari Mog

Determining the Preconsolidation Stresses of Low Void Ratio, Highly Overconsolidated Clays: Seyed Ahmad Osia, Daniel VandenBerge

Development and Application of Mesh Independent Non-local Model in FLAC2D: Sameer Lawankar, Prasoon Garg, Bhardwaj Pandit, Gaurav Tiwari

Differentiable Machine Learning in Geotechnical Engineering: A Case Study of Bearing Capacity Prediction of Shallow Foundation on Cohesionless Soil: Jun Xiong, Te Pei

Displacement Patterns of Clay Embankments Subject to Weather-Driven Deterioration Under Changing Climate: Amr Morsy

Effect of Freezing, Drainage Distance, and Radial Location on the Specific Surface Area of Kaolinite Clay: Sepehr Akhtarshenas, Sherif Abdelaziz

Effect of Friction Packing Limit and Drag Model for Predicting Soil Fluidisation Behaviour Due to Pipeline Leakage: Margi Dave, Ashish Juneja

Effect of Polymer on Water Retention Behaviour of Bentonite-Polymer Geosynthetic Clay Liner: Hanrui Zhao, Benjamin Stark, Kuo Tian

Effect of Pre-Shaking on Shear Modulus Degradation During Four Strong Shaking Events Using Shaking Table Tests: Roohollah Farzalizadeh, Abdolreza Osouli, Prabir Kolay

Effect of Strain Rate on Stress-Strain and Pore Pressure Response of Very Soft Clay: Shrweta Dutta, Ajanta Sachan

Effect of Undesired Compaction on Hydraulic Properties of Roadside Soils: Oguzhan Saltali, Angela Farina, Mikayla Cunningham, Vincent Mwagni, Ahmet Aydilek, Allen Davis, Bora Cetin

Effects of Near-Fault Ground Motions on Liquefaction-Induced Building Settlement at the Port of Wellington, New Zealand: William Zakka, Jonathan Bray

Effects of Predicted Large Intensity Storms on Moisture Conditions and Stability of Engineered Slopes: Alex Lefever, Kyle Kershaw

Establishing Cumulative Rainfall Thresholds for Landslide Early Warnings in Seattle Using Weather Data: Boneng Chen, Weibing Gong

Estimating Boulder Impact Energies in Avalanches Using the Discrete Element Method: Fan Yi, Fernando Garcia

Evaluating Gas Blowout Craters in Permafrost Using the Material Point Method: Yu Zhao, Min Liew, Zhen Chen

Evaluating the Impacts of Soil Layering on the Dynamic Response of a Structure: Alireza Kazem, Lisa Star

Evaluating the Influence of Porous Stone Contact Area on Shear Strength Measurements Using a RS Device: Milad Tajik, Yuderka Trinidad González, Cassandra Rutherford, Vernon Schaefer

Evaluating the Use of Fertilizer and Compost on Vegetation Growth, Sediment, and Nutrient Loss: Oguzhan Saltali, Angela Farina, Mikayla Cunningham, Vincent Mwagni, Ahmet Aydilek, Allen Davis, Bora Cetin

Evaluation of Geometric Factors on Coupled Failure Mechanisms in Loaded Slopes Stabilized with Piles: Irem Zeynep Yildirim, Emre Tekdemir

Experimental Study of Biopolymer Soil Stabilization of a Peruvian Coastal Sand: Guillermo Zavala, Miguel Pando, Dennis Leyva, Rafael Aguilar

Experimentally Studying the Thermal Sensitivity and Mechanical Response of Kaolin Clay due to Climatic Warming: Mohd Sheob, Sarah Aldawood, Srikanth Madabhushi

Fluid-Soil- Interaction Observations from a Dam-Break Wave Generator Using the University of Colorado Boulder's 400 G-Ton Centrifuge: Angela Mink, Srikanth Madabhushi, Shengzhe Wang

Freezing Curves of Ottawa Sand with Varying Organic Matter and Salinity: Junaidul Islam, Tunay Turk, Anshu Abhinav, Tugce Baser

Ground Movement Forensics and Sustainable Stabilization Techniques: Clara Klamm, Bhaskar Chittoori, Nick Hudyma, Seth Olsen

HVSR-Based Seismic Site Classification Using K-Means Clustering: Sanidhya Sharma, Weiwei Zhan

Harnessing Machine Learning for Railway Damage Assessment and Prediction: Cyrus Bahman, H. Ulloa, Jasmine Bekkaye, Daniel Gallegos, Navid Jafari

Harnessing Nitrogen-Cycle Reactions to Support the Metabolism of Synthetic Urine for Microbially Induced Carbonate Precipitation of Lunar Soil Simulant: Micaela Robson, Marlee Reed, Elizabeth Trubchaninov, Amy Grunden, Brina Montoya

Hybrid Approach Combining Machine Learning and Physics-Based Modelling: A Shirur Landslide Case Study Using SCOOP-3D and Random Forest: Priyajit Kundu, Sreevalsa Kolathayar, Pruthviraj Umesh

Hydraulic Conductivity of Trench Backfills as a Mitigation Strategy for Chloride-Induced Corrosion in Coastal Pipelines: Eman Bani Issmaeel, Caroline Harris, Mohammed Gabr, Moe Pourghaz, Gregory Lucier, Sultan Almuaythir

Image-Based Moisture Content Prediction in Railway Ballast Using Deep Learning: Kelin Ding, Erol Tutumluer

Impact of Fluid Column Collapse on Structures Using Higher-Order MPM: Abdelrahman Alsardi, Alba Yerro, Christopher Long

Impact of Soil Composition on the Shear Strength of Frozen Soils: Hossein Emami Ahari, Beena Ajmera

Impacts of Delayed Inundation During One-Dimensional Consolidation Testing: Asli Acikel, Martin Walker, Kevin Stanton, Robert Chew

Improving Containment Dike Stability with Geosynthetics: A Study on Louisiana Coastal Soils : Abhishek Tiwari, Jay Wang, Udaya Panta

Improving Landslide Susceptibility Mapping with Drone and Helicopter Surveys: Maiely Minozzo

In Situ Soil Stabilization and Support of Excavation Design for Remediation of a Manufactured Gas Plant: Russell Lutch, Brandon Anderson, Ricky Bradford, Mac Bonner

Increased Friction at Soil-Concrete Interfaces Using Bio-Inspired Patterns in the Concrete: Allison Kunz, Jenna Dayley, Kyle Rollins, Taylor Sorensen

Influence of Superstructure Height on the Seismic Response of Pile-Supported Structures with Consideration of Soil-Pile-Structure Interaction: Arezoo Sadrinezhad, Matthew Mendoza

Influence of Terrain Model Resolution on Rockfall Dispersion: Lucas Arsenith, Grant Goertzen, Nick Hudyma, Bhaskar Chittoori

Influence of Effective Confinement Pressure on Geomechanical Characteristics of Hydrate-Bearing Sediments: Mahima S Rao, Sahil Wani, Ramesh Kannan Kandasami

Input Motion Selection for Large-Scale Shake Table Tests to Evaluate Kinematic Soil-Structure Interaction Effects: Reza Mohammadi, Kevin Stanton, Ramin Motamed

Investigating Hydro-Mechanical Responses of Copper Mine Tailings Dams: Insights from Numerical Simulations of Upstream, Downstream, and Centreline Designs: Akshay Singh, Anumita Mishra

Investigation of the Effect of Pore Water Salinity on the Water Retention Behavior of Bentonite: Mohammadreza Jebeli, Siamak Yoosefi Sigari, Christopher Meehan

LS-DEM Modelling of Naturally Deposited Sand in Triaxial Compression: Nicholas Sitar, Peng Tan

Laboratory Modeling of Rainfall-Induced Slope Stability in a Controlled Soil Box Setup: Amin Mohammadzadeh, Mir Ali Hosseini, Omid Ghasemi-Fare

Lessons Learned in Applying Gravels Interference Corrections for Cone Penetration Test: Bret Lingwall, Kody Vandervort

Machine Learning-Assisted Calibration of Plasticity Models for Liquefiable Geosystems: Maziar Mivehchi, Laura Luna, and Katerina Ziotopoulou

Machine Learning Based Constitutive Models for Predicting Stress-Strain of Sands: Yasaman Abdolvand, Mohammadhossein Sadeghiamirshahidi

Mitigating Vibration Impact of Proposed Kathmandu Valley Metro through Numerical Modeling: Ram Chandra Tiwari, Aanchal Tiwari, Swati Acharya

Mitigation of Soil Reliquefaction Using Prefabricated Vertical Drains under Repeated Seismic Shaking: Gowtham Padmanabhan, B.K. Maheshwari, Tapan Suyal

Modifying Soil Plasticity Using Engineered Biochar to Prevent Soil Erosion: Fei Wang, Eunsung Kan, Jie Huang

NGL Liquefaction Triggering Model Virginia Tech Modeling Team: Updates to Defining se and Resolving Sampling Bias: Tat Thum, Adrian Rodriguez-Marek, Russell Green, Peter Stafford

New Nanocoating for EPS Blocks: Testing, Modeling, and Cost: Sherif AbdelSalam, Mohamed Omran, Moamen Shekib, Ahmed Ahmed, Emad Bakhoum

Next Generation Probabilistic Liquefaction Model Building at the Regional Scale: Jonathan Schmidt, Shideh Dashti, Cristina Torres-Machi

Non-Invasive Soil Moisture and Density Measurement by Thermal Imaging and Machine Learning: Yusheng Jiang, Qingyu Ren, Hui Wang

Numerical Analysis of Horizontal Obstruction Failures Under MSE Walls: Md Asad Ahmad, Antonio Bobet

Numerical Investigation of the Effect of Using Geofoam on Static and Dynamic Earth Pressures Affecting Retaining Structures: Yusuf Kayan, Abdirahman Duale, Selçuk Bildik

Numerical Modeling of Artificial Mangrove Systems for Unprotected Earthen Embankment for Protection Against Wave-Induced Erosion and Overtopping: Ayush Kumar, Vinay Krishnan, Anand Puppala

Numerical Modeling of Heat Transfer by H.V Cables around Buried Sub-Sea Pipelines Including Trenching and SGD Heat Flux: Kiarash Jafarzadeh Marandi, Omid Ghasemi-Fare

Numerical Study of MSE Wall Performance as Bridge Foundation: Adams Familusi, Ahmed Abu El Ela, Yunesh Saulick, Vincent Ogunro, John Daniels

Optimization-Based Parameter Calibration of the Hypoplastic Model for Central Florida Hawthorn Group Soils: Alan Aparicio Ortube, Luis Arboleda Monsalve, David Zapata Medina

Particle Breakage in Hurricane Hilary Induced Post-Wildfire Debris Flows in San Bernardino Forest: Lucia Landaverde Robles, Ingrid Tomac

Particle Size Effects on the Strength of Sand-Structure Interfaces with Snakeskin-Inspired Surfaces: Hyeon Jung Kim, Alejandro Martinez

Performance of Glass-Based Geosynthetic Reinforced RAP Bases for Unpaved Road Applications: Krishneswar Ramineni, Shanmukha Sai Avinash Gonnabathula, Jianxin Huang, Puneet Bhaskar, Balaji Lakkimsetti, Anand Puppala

Plant Species Influence on Microbially Induced Carbonate Precipitation: X-Ray Diffraction Analysis of Mineral Formation and Composition: Hannah Hiscott, Pegah Ghasemi, Brina Montoya, Celso Castro-Bolinaga, Amy Grunden, William Petry

Preliminary Findings on the Application of mHVSR for Data-Driven Site Response Prediction in California: Francisco Javier Ornelas, Christopher de la Torre, Zhaoting Zhang, Tristan Buckreis, Scott Brandenberg, Jonathan Stewart

Probabilistic Tunnel Collapse Mechanism Based on Smoothed Particle Hydrodynamics and Random Field Theory: Jun Geng, Enrique del Castillo, Ronaldo Borja

Proxy-Based VS30 Estimation for Utah Conditioned on Surface Geology and Surface Gradient: Joseph Choi, Jonathan Stewart, Tristan Buckreis, Scott Brandenberg

Quality Assurance and Quality Control in Installation of Lightweight Cellular Concrete: Trevor Towery, Ryan Maw, Zach Gibbs

Quantifying Geogrid-Stabilized Aggregate Response in Dynamic Loading Environments: Syed Faizan Husain, Erol Tutumluer

Quantitative Soil Behavior Type Assessment from Cyclic Test Results: Arda Sahin, Amalesh Jana, Kristin Ulmer, Scott Brandenberg, Matthew Evans, Armin Stuedlein, Steven Kramer, Jonathan Stewart

Repeatable Source, Site, and Path Effects on Ground Motion Median and Variability Based on Dataset from the Central and Eastern United States: Mehran Davatgari-Tafreshi, Shahram Pezeshk

Residual Strength of Xanthan Gum Treated Soils: Kiran Kuikel, Connor McQuinn, Bernardo Castellanos, Lucas Walshire

Returning Wall Deformation Monitoring with Camera Array Systems: Hui Wang, Qingyu Ren, Sreelakshmi Sreeharan

Seismic Active Lateral Earth Pressure on Retaining Walls with Broken Slope Backfill: A Finite Element Limit Analysis Approach: Ali Shafiee, Amirhossein Shafiee

Seismic Response of Soft Soil Reinforced with SC Grids: Centrifuge Experiments and Numerical Investigations: Sujanraj Devkota, Mohammad Khosravi, Kami Mohammadi, Ali Khosravi

Seismic Stability of Reinforced Soil Wall: A Modified Pseudo-Dynamic Approach: Sushree Paritwesha Pradhan, Vishwas A. Sawant

Seismic Displacement Hazard for An Earth Dam on A Soft Foundation: Franklin Olaya, Luis Cañabi

Small-Strain Shear Modulus and Damping Ratio Models for Southeastern U.S. Residual Soil and Saprolite Considering Loading Frequency: Hossein Golkarfard, Ronald Andrus

Sodium Alginate-Based Surface Stabilization of Erosion-Prone Levee Surface: A Laboratory Rainfall Simulation Study: Suhyuk Park, Dongcheon Lee, Saebom Kim, Ilhan Chang

Stability Analysis of Slow-moving Landslides Incorporating Rate-Dependent Strength: Xiang Li, Alexander Handwerger, Rob Skarbek, Giuseppe Buscarnera

Stabilizing a Landslide to Preserve the Historic Irishtown Bend in Cleveland, OH: T.C. Michael Law, Walter Kaeck, Joseph Ferenczy

Studying Underground Cavity Progression and Effects Under Levees: A Numerical Investigation Using Material Point Method: Carole Karam, Alba Yerro, Sukrityranjan Samanta

Subsidence Beneath Our Aging Infrastructure: A Laboratory Study on Soil Internal Erosion: Giselle Aguilar, Jiahao Huang, Wei Li

Sustainable Soil Erosion Control with Fungi: Zaid Alajlan, Allen Yu, Xiong Yu

Temple Square Renovation – Underpinning and Earth Retention: Rob Jameson, Eric Lindquist, Scott Chambers, Josh Fenn, Taylor Nordquist

The Critical Role of Initial Stresses in the Seismic Response of Sheet Pile Walls in Liquefiable Soils: Majid Manzari, Sarra Lbibb

The Effect of Root Depth on Slope Stability with Varying Rainfall Intensities: Sophia Andanje, Pegah Ghasemi, Brina Montoya

The Effects of Multiple Loading Events on Backward Erosion Piping Progression: Deepika Ghorasaini, John Rice

The GeoPoncelet Model for Rapid Penetration in Soils: Joseph Dinotte, Mehdi Omidvar, Stephan Bless, Magued Iskander

The Influence of Confining Stress on Liquefaction Resistance of Uniform Ottawa C109 Sand and Uniform Pea Gravel: Satuk Sari, Adda Athanasopoulos-Zekkos

The Role of Friction in Model Tests and its Effects on the Model Seismic Response: Sarra Lbibb, Majid Manzari

UAV-enabled Multispectral Sensing for Autonomous Surface Detection of Animal Burrows at Levees: Mingliang Tang, Dimitrios Zekkos, Adda Athanasopoulos-Zekkos, Kenichi Soga

Understanding Soil Spatial Variability and Uncertainty: The Role of Borehole Spatial Distribution in Single Pile Design: Fabiana Viscarra, Tommy Bounds, Kanthasamy Muraleetharan

Understanding Kappa (k) for Basins of the Intermountain West: Insights From the 2020 Magna Utah Earthquake: Bret Lingwall

Understanding the Effect of Spectral Matching Technique and Resolution on the Performance of Reinforced Concrete Pile Groups Considering Soil-Structure Interaction: Jatheesan Sundararajan, Ashish Bahuguna, Nadarajah Ravichandran, Ronald Andrus, Nicholas Harman

Updated SPT-Based Seismic Soil Liquefaction Triggering Relationships: Makbule Ilgac, Kemal Cetin, Robert Kayen, Robb Moss, Gizem Can, Umut Ayhan

Use of Recycled Rubber Granulates in Railway Subballast for Improved Track Performance: Yujie Qi, Buddhima Indraratna, Rakesh Malisetty

Vehicle Impact Loading on Soil-Embedded Piles Installed Near Slopes: Mojdeh Pajouh, Tewodros Yosef, Robert Bielenberg, Ronald Faller

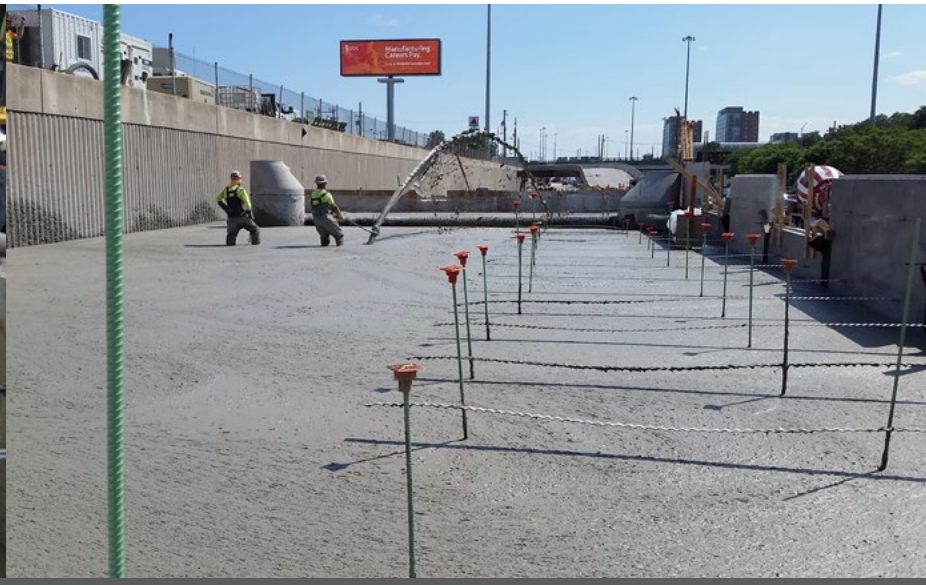
Wellpoint Dewatering at Weston Lake Dam, Fort Jackson, South Carolina: Graham Elliott, Brett Dodd, Cole Gibson, Richard Wargo

Drilled Shaft Imaging with 2D Ultrasonic Waveform Tomography: Field Data Application: Khiem Tran, Rodrigo Herrera, Bingkun Yang, Kelly Shishlova

Monday, March 9, 2026

7:30 a.m. – 8:00 a.m.	**Breakfast**
8:00 a.m. – 8:20 a.m.	**Lightweight Fill Technologies for Transportation Infrastructure: Practices, Costs, and Recommendations:** *Amr M. Morsy, Ph.D., P.E., California State University Long Beach*
8:20 a.m. – 8:40 a.m.	**Geotechnical Applications for Expanded Clay, Shale and Slate Lightweight Aggregate:** *Jack Moore, P.E., Arcosa Lightweight*
8:40 a.m. – 9:00 a.m.	**US Highway 17 Hutchinson Island Interchange: Low-Density Cellular Concrete Embankments over Soft Soils:** *Guoming Lin, Ph.D., G.E. BC.GE, Terracon*
9:00 a.m. – 9:20 a.m.	**A Multi-Functional Foamed Glass Aggregate Embankment for Passenger Rail Infrastructure in Jersey City:** *Theresa Andrejack Loux, Ph.D., P.E., ENV SP, Aero Aggregates*
9:20 a.m. – 9:40 a.m.	**Revisiting a 2003 Landslide Repair using Geofoam, Tiebacks & Shotcrete in Port Angeles, WA:** *Frank W. Pita, P.E., GE, LHG, D. GE, F.ASCE, Frank W Pita Consulting LLC*
9:40 a.m. – 10:00 a.m.	**Break**
10:00 a.m. – 10:20 a.m.	**Dual Component Polyurethanes For Load Reducing Fills:** *Kirk Roberts, CJGeo*
10:20 a.m. – 10:40 a.m.	**Lightweight Waste-Derived Reinforcement for Clayey Soils: A Large-Scale Experimental Study:** *Mohsen Ajdari, Ph.D., P.E., LCN School of Engineering*
10:40 a.m. – 11:00 a.m.	**Tire Derived Aggregate as a Lightweight Fill in Static and Seismic Geotechnical Applications:** *John S. McCartney, Ph.D., P.E., F.ASCE, University of California San Diego*
11:00 a.m. – 11:20 a.m.	**Electrochemical Characterization of Expanded Shale, Clay and Slate Lightweight Aggregates for Corrosion Assessment in Mechanically Stabilized Earth Wall Systems:** *Fariborz M Tehrani, Ph.D., P.E., ENV SP, PMP, SAP, F.ASCE, ESCSI*
11:20 a.m. – 11:40 a.m.	**Aero Aggregates:** *Theresa Andrejack Loux, Ph.D., P.E., ENV SP*
11:40 a.m. – 12:00 p.m.	**Break**

12:00 p.m. – 1:00 p.m.	**Lunch/Keynotes:** *Michael P. McGuire, Ph.D., P.E., Lafayette College* *Mark S. Salvatore, P.E., MixOnSite*
1:00 p.m. – 1:20 p.m.	**Break**
1:20 p.m. – 1:40 p.m.	**Characterization of Permeable Lightweight Cellular Concrete:** *Beena Ajmera, Ph.D., P.E., Iowa State University*
1:40 p.m. – 2:00 p.m.	**Improving Safety by Eliminating the Bump at the End of the Bridge Using Lightweight Backfill :** *Yuqiu Ye, Ph.D, Youngstown State University*
2:00 p.m. – 2:20 p.m.	**Foamed Backfill for Subsidence Mitigation and the Utilization of Liquid Sand:** *Samantha McNerney, Aerix Industries*
2:20 p.m. – 2:40 p.m.	**Lightweight Aggregates Stabilized with Geogrid:** *Garrett Fountain, P.E., GE, Tensar*
2:40 p.m. – 3:00 p.m.	**The Resilient Modulus and Strength of Type I Lightweight Cellular Concrete and the Effects of Partial Saturation:** *Dan Seely, Ph.D., P.E., BC.GE, IGES*
3:00 p.m. – 3:20 p.m.	**Study of Foamed Glass Aggregate for Rapid Airfield Pavement Construction and Repair:** *Haifang Wen, Ph.D., P.E., F.ASCE, Washington State University*



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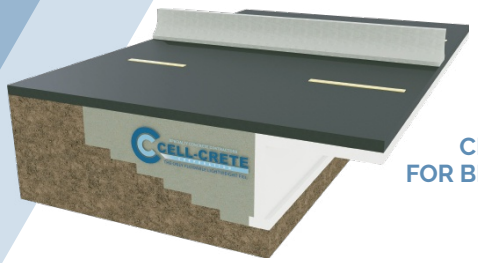

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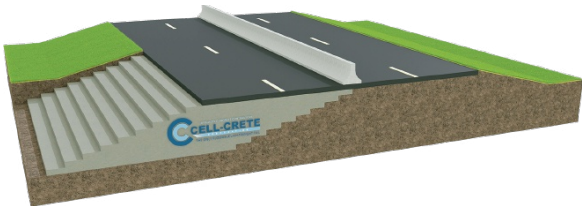

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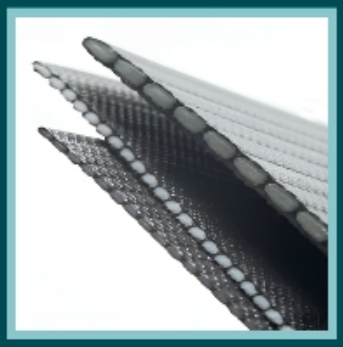

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Tuesday, March 10

Civil Engineering Certification
12:15 p.m. – 12:45 p.m.

Get Board-Certified in Geotechnical Engineering

Presented by Sebastian Lobo-Guerrero, Ph.D., P.E., BC.GE, F.ASCE

Board certification in geotechnical engineering is vital for elevating the professionalism needed to meet today's complex geotechnical challenges. Civil Engineering Certification's (CEC) Academy of Geo-Professionals (AGP) offers the Board-Certified Geotechnical Engineer (BC.GE) credential to professional engineers who have demonstrated advanced expertise and specialized knowledge in geotechnical engineering. In this session, learn how to earn the BC.GE board certification and take the next step in advancing your geotechnical engineering career!

Tablogs
3:00 p.m. – 3:30 p.m.

Unifying Geotechnical Data: From Legacy Imports to Model-Ready Deliverables

Presented by Simon Hardham and Declan Vanderhor

Geotechnical projects rarely start with clean data. This live demo shows how gINT databases, AGS or DIGGS files, CPT results, and even MWD datasets can be unified into a streamlined, model-ready workflow. Follow a real project from messy legacy imports through interpretation, reporting, cross sections, and export for drafting or analysis. Discover how to cut integration friction, improve consistency, and deliver ground models with greater speed and confidence.

ASCE Publications
3:45 p.m. – 4:15 p.m.

ABCs of Publishing with ASCE

Presented by Natalie Webster

Have you ever wanted to publish with ASCE? Learn how to make your idea a reality. Whether it's a book, a standard, a manual of practice, or something else, the ASCE audience is ready for your contribution!

Wednesday, March 11

Geosetta
12:15 p.m. – 12:45 p.m.

The Future of DIGGS

Presented by Ross Cutts, Geosetta, and Allen Cadden, Schnabel Engineering

Discover Geosetta, a groundbreaking platform that utilizes over 250,000 historic data points from more than 27 DOTs, revolutionizing the use of public geotechnical data in geotechnical projects. Geosetta leverages the DIGGS standard, an open and interchangeable format for geotechnical data transfer, ensuring seamless integration and broad accessibility. Join us for an update on recent advances with the schema including vendor implementations. We will also share the incredible solutions developed in the first DIGGS student hackathon competition.

Geositter Instruments Ltd
3:00 p.m. – 3:30 p.m.

Get to Know Geositter Instruments

Presented by Arthur Liu

GeoSitter is an innovative provider of automated geotechnical monitoring solutions, integrating advanced sensing technology, IoT communication, and intelligent data management.
Founded in 2005 as part of the Ougan Group, GeoSitter develops cutting-edge monitoring instruments and systems designed for smart, real-time, and maintenance-free operation in the field.
Our flagship products — including the TSW Robot and the All-in-One Smart Monitoring Series — combine inclinometer, water level, displacement, vibration, and environmental monitoring in a single automated platform, enabling continuous, cloud-based observation with minimal human intervention.
GeoSitter's solutions are trusted in major infrastructure, tunneling, slope stability, and foundation monitoring projects across Asia, the Middle East, and Latin America.

Pi Day
3:45 p.m. – 4:15 p.m.

Pi Day Competition

Every year, the Geo-Institute celebrates Pi Day in a big way. Join us for this special live Pi Day competition!

Returning for 2026 – it's the Geo-Institute Theatre! Stop by the ASCE/G-I booth during the week to hear from our sponsors and get the latest on ASCE/G-I products and services!

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616	Arcosa Lightweight*
414	Atlas Molded Products
114	BERKEL*
743	Blood Hound Underground
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Engineering Software

Booth #826
Enviro-Rock Foam Glass Aggregate (Enviro-Corp Recycling)
www.enviro-corp.ca/enviro-rock

Booth #832
Expanded Shale, Clay and Slate Institute
escsi.org
The international trade association for manufacturers of rotary kiln-produced expanded shale, clay and slate lightweight aggregate.

Booth #734
Exploration Instruments
www.exiusa.com
Exploration Instruments is the best known geophysical equipment rental firm in North America specializing in near-surface applications. We maintain a diverse inventory including ultrasonic, seismic, radar, EM, gravity, magnetics, resistivity, hydrologic, marine and drone tools. Offices in Austin, Texas and Harrisburg, Pennsylvania are ideally situated to service your projects worldwide.

Booth #542
Exponent Inc.*
www.exponent.com

Booth #541
Forgen
https://forgen.com
At Forgen, we leave the planet better than we found it. Our integrated environmental remediation and geotechnical and civil construction services restore and strengthen our natural surroundings to protect people, communities, and the environment for generations to come. We have successfully delivered large, multidisciplinary projects for public and private sector clients across North America for more than a decade, safely tackling complex challenges across a variety of industries.

Booth #311
GCP Applied Technologies - DE NEEF
www.deneef.com
DE NEEF® soil stabilization and leak sealing materials can prevent and repair common challenges in below grade construction. We specialize in leak sealing, water control, and soil stabilization products. With over 40 years of manufacturing experience and dedicated technical support professionals, we can assist you in finding the best solutions to keep your project on schedule. Our products are certified through WQA and UL to meet NSF/ANSI/CAN 61 standards.

Booth #539
GDS Instruments
www.gdsinstruments.com

Booth #632
Geocomp, Inc.*
www.gecomp.com
Geocomp is a leader in technology-driven geotechnical solutions, helping clients manage risk and optimize infrastructure performance. With four key groups—Consulting, Monitoring, Testing, and Products, Geocomp offers geostructural consulting, advanced monitoring, automated testing systems, and internationally recognized geotechnical lab services. As a Sercel business, Geocomp integrates cutting-edge technologies to enhance project safety and decision-making. Geocomp support projects like bridges, tunnels, and dams, delivering smarter, safer, and more efficient solutions that accelerate timelines, reduce costs, and improve long-term project success.

Booth #312
Geokon*
www.geokon.com
GEOKON, an employee-owned company, is a recognized world leader in the manufacture of structural and geotechnical instrumentation. Founded in 1979, GEOKON has grown to more than 170 employees and offers a full complement of instrumentation for a wide range of industries including tunnels, dams, mines, piles, bridges, pipelines, landfills, embankments, transportation and wind turbines. Over 40 GEOKON agents distribute products globally to North and South America, Europe, Middle East, China, Asia Pacific, Australia and New Zealand. GEOKON incorporates state-of-the-art manufacturing processes and equipment to produce the highest quality and performing products on the market. Mechanical, electrical and software engineering teams collaborate to develop the most innovative, accurate and reliable instrumentation in the industry. As a result, GEOKON has been awarded ISO 9001:2015 registration from both ANSI•ANAB, USA and UKAS of Great Britain. GEOKON's calibration program complies with ANSI/NCSL Z540-1 and all primary calibration standards are traceable to the US Department of Commerce, National Institutes of Standards and Technology (NIST), in Washington, DC, and are calibrated by laboratories with ISO/IEC 17025 accreditation. In addition, GEOKON is a qualified supplier for US Nuclear Facilities in accordance with the American Society of Mechanical Engineers (ASME)/Nuclear Quality Assurance (NQA)-1, Quality Assurance Program Requirements. GEOKON products are supported by an experienced team of factory-trained employees ready to assist with instrument design, selection and installation. All products include a full, 13-month warranty.For more information, please visit www.geokon.com or call +1-603-448-1562.

Booth #421
Geo-Institute
www.geoinstitute.org

Booth #702
Geoprobe Systems
www.geoprobe.com

Booth #303
Geoquest*
www.geoquest-group.us
In 2025, The Reinforced Earth Company USA became Geoquest USA. We provide retaining walls and other geotechnical structures for heavy civil engineering projects throughout the entire U.S. We are engineers, manufacturers, project managers, and team players. Our global group, Geoquest (formerly named Terre Armée) has rebranded to unite us under one name, while reflecting our diverse portfolio of geotechnical solutions and the global strength behind our brand. In the U.S. we began in 1971 by working with Caltrans on a massive landslide repair in the Angeles National Forest, using a newly patented retaining wall system called Reinforced Earth®. Since then, our engineers have led the industry in researching and advancing the MSE technology, while building on our array of retaining wall types and other solutions. Tens of thousands of examples of our work are spread throughout every state. We have the experience and expertise to tackle any job, from a small arch bridge to a design-build project with 2 million square feet of retaining walls. Reach out to us to get your project started on the right path.

Booth #307
Geosense
www.geosense.com
Geosense is an award-winning end-to-end manufacturer of sensors for the geotechnical, civil engineering, mining and environmental industries. Used on major projects worldwide our sensors have helped unlock insights for Engineers in over 100 countries for over 30 years.

Booth #504
Geosetta
https://geosetta.org

Booth #515
Geositter Instruments Limited(Ougan Group)
https://geositter.com
GeoSitter is an innovative provider of automated geotechnical monitoring solutions, integrating advanced sensing technology, IoT communication, and intelligent data management. Founded in 2005 as part of the Ougan Group, GeoSitter develops cutting-edge monitoring instruments and systems designed for smart, real-time, and maintenance-free operation in the field. Our flagship products — including the TSW Robot and the All-in-One Smart Monitoring Series — combine inclinometer, water level, displacement, vibration, and environmental monitoring in a single automated platform, enabling continuous, cloud-based observation with minimal human intervention. GeoSitter's solutions are trusted in major infrastructure, tunneling, slope stability, and foundation monitoring projects across Asia, the Middle East, and Latin America.www.geositter.com | info@ougangroup.com

Booth #738
GEOTAC
https://geotac.com

Booth #111
GEOVision
https://geovision.com

Booth #634
Gerhart Cole
https://gerhartcole.com

Exhibitors *(continued)*

Booth #834
HDR Engineering, Inc.
www.hdrinc.com
HDR is a 100% employee-owned professional services firm. Founded over a century ago to bring electricity to a changing world, we are now a global company specializing in architecture, engineering, environmental and construction services. Our success in built and natural environments continues as we collaborate to solve our clients' and communities' most complex challenges. Our teams provide end-to-end solutions for complex subsurface challenges leveraging our expertise in Risk Assessments, Site & Subsurface Characterization, Geohazard Identification & Mitigation, Foundation & Embankment Design (shallow/deep foundations, MSE walls, retaining structures), Ground Improvement & Slope Stability, Settlement & Compression Control, Subgrade Evaluation & Pavement Design, and Construction Support & Monitoring.

Booth #828
HMI Company
https://hmicompany.com
With over 50 years of experience, HMI is the trusted leader in concrete lifting and leveling, soil stabilization, void filling, and waterproofing solutions.We offer everything contractors and entrepreneurs need — from industry-leading equipment and materials to expert training and technical support. Our turnkey systems help you work faster, smarter, and more profitably. Backed by in-house geotechnical engineers, chemists, and an experienced support team, HMI delivers complete solutions that perform in the field and drive business growth worldwide.

Booth #412
HNTB*
www.hntb.com

Booth #727
HUESKER*
www.huesker.us
HUESKER is a global leader in the manufacturing of geosynthetics, agricultural and industrial textiles. Our solutions cover a wide range of areas including Earthworks and Foundations, Roads and Pavements, Environmental Engineering, Hydraulic Engineering, Industry and Agriculture. Backed by more than 150 years of expertise in manufacturing, coating and tailoring of technical textiles, our commitment lies in replacing traditional construction methods with sustainable solutions to solve geotechnical challenges. HUESKER Inc. currently manufactures out of Shelby, NC and has several sales representatives all across North America. Our ultimate goal is to provide value and establish long-standing relationships with our customers, business partners, and employees.

Booth #735
Humboldt Mfg. Co.
www.humboldtmfg.com
Humboldt began operations in 1909 as a manufacturer of cement testing equipment. Our corporate offices are located in Elgin, Illinois, and Raleigh, North Carolina, in the United States. Our equipment is used throughout the world for testing soil, concrete, cement, asphalt, and aggregate materials. Over the years, Humboldt has consistently grown, introducing new equipment and expanding into new testing equipment markets. Humboldt is known for manufacturing high-quality, competitively-priced equipment primarily designed to comply with ASTM and AASHTO testing standards, as well as other global standards.Since 2003, we have maintained a quality management system in accordance with ISO standards. Currently, Humboldt maintains ISO certifications for ISO 9001: 2015 and ISO/IEC 17025: 2017.Through our website, customers are able to browse the testing equipment they need and order directly from us. Our inside sales team is also available for those who want to speak directly with a person.

Booth #121
Industrial Fabrics, Inc.
https://ind-fab.com

Booth #543
Innovative Geotechnology LLC
www.innovativegeo.com

Booth #306
Intertape Polymer Group (IPG)
www.ecp.itape.com
The ECP Division of the IPG Company specializes in developing, manufacturing, and delivering high-performance polyolefin coated fabrics for your custom application. With a strong focus on quality, technical advancements and service, our dedicated team caters to varied industries such as agriculture, construction, industrial, storage, transportation, advertising, water management, and mining. Our state-of-the-art, vertically integrated production facilities across North America and India empower us to meet the demands of a dynamic market, while upholding the highest quality standards. Serving for over 30 years today, ECP stands tall as one of the most-trusted brands for our customers worldwide.AquaMaster is a proven PVC-free reinforced geomembrane solution for water resource management and has a wide range of civil and industrial applications. Stronger - Lighter - Faster

Booth #442
Intertek
www.intertek.com/building/psi
Professional Service Industries, Inc. (Intertek-PSI) is a leading US based provider of construction assurance, testing and inspection in civil and commercial construction. Our broad service offering includes construction materials testing, geotechnical services, environmental consulting, industrial hygiene, and specialty testing.

Booth #120
Ischebeck USA Inc.
www.ischebeckusa.com

Booth #406
JAFEC USA, Inc.
www.jafecusa.com
JAFEC USA, Inc. is the U.S. subsidiary of Japan Foundation Engineering Company, Ltd. (JAFEC). The JAFEC Group's capabilities include all aspects of Ground Improvement including excavation support, ground anchors, deep foundations, marine construction of quays and seawalls, cut-off walls & seepage barriers, sediment stabilization, and liquefaction mitigation.

Among the technical methods used by JAFEC USA in such works are Deep Soil Mixing (DMM), and Direct Power Compaction (DPC). With more than 50 years of hands-on experience with technology development, "boots on the ground" construction, and professional practice, the JAFEC group and its U.S. subsidiary, JAFEC USA, Inc., are uniquely qualified to deliver effective and economical Ground Improvement and geotechnical construction services throughout the world.

Booth #714
JD Fields
jdfields.com

Booth #514
Keller*
www.keller-na.com
As the world-leading geotechnical specialty contractor, Keller develops innovative, practical, and cost-effective solutions to geotechnical challenges across the entire construction industry.

Booth #206
Kubota Corporation
www.kubota-membrane.com
Build Faster. Connect Smarter.Kubota's Laqnican Joint reduces steel pipe pile connection time to just 10 minutes, improving jobsite productivity and cutting construction costs.Stop by our booth and discover the future of deep foundation solutions.

Booth #517
Kyowa
www.kyowa-ei.us

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Booth #639
Moab Geotechnical Group
moabgeo.com
At Moab Geotechnical Group, we are dedicated to providing practical solutions for a complex world. We specialize in comprehensive geotechnical investigation and testing services to assess the subsurface conditions of your project site. Our team of experienced professionals utilizes advanced techniques and state-of-the-art equipment to provide accurate data for informed decision-making throughout the project lifecycle. Our team performs geotechnical investigation and hazard assessments, soils testing, onsite wastewater design support, and expert witness litigation to support your projects.

Booth #506
Mobile Drill, Intl
mobiledrill.net

Booth #733
Morris-Shea
https://morrisshea.com

Booth #615
Mustang Extreme
mustangextreme.com
Mustang Extreme Environmental Services is a leader in the installation of geosynthetic liner, secondary containment and water treatment systems, as well as site access mating and temporary bridges. We excel in the installation of systems for landfill, mining, agriculture and aquaculture, coal ash, power generation, RNG, and upstream and midstream oil and gas. Our industry-veteran crews have installed over 2 billion square feet of liner in the most challenging environments across the United States.

Booth #641
Nedia Enterprises
https://nedia.com

Booth #513
Nicholson Construction Company
www.nicholsonconstruction.com
For 70 years, Nicholson has been a leader and an innovator in the geotechnical construction industry. Headquartered in Pittsburgh, PA with regional offices and a Major Projects Group operating across the country, Nicholson is a nationally renowned geotechnical general and specialty contractor, offering proven expertise in the design and installation of deep foundation elements, earth retention systems and ground treatment solutions. We pride ourselves on our ability to consistently provide our clients with innovative, high-quality design-build options for projects of varying size and complexity. Nicholson is the North American subsidiary of Soletanche Bachy, one of the world's leading geotechnical contractors, and is part of a global network of unparalleled geotechnical resources and expertise.

Booth #207
Nucor Skyline
www.nucorskyline.com
Nucor Skyline is the one source for all your piling needs, supplying and manufacturing an unparalleled assortment of H-Piles, Steel Sheet Piles, Pipe Piles, Geostructural Products, Combined Wall Systems, Solar Piles, Wide Flange, and accessories. Skyline Steel, LLC (doing business as Nucor Skyline) is a wholly-owned subsidiary of Nucor Corporation. Visit www.nucorskyline.com.

Booth #210
Nuolian Group
www.nlgeosynthetics.com
Taian Nuolian Engineering Materials Co., Ltd., established in 2015 with a registered capital of 50.8 million, employs more than 300 professionals and occupies 35,000 square meters. Equipped with state-of-the-art geosynthetic production lines and testing equipment, the company is a leading manufacturer, wholesaler, supplier, and exporter of geosynthetics, dedicated to providing one-stop solutions to customers worldwide since its founding.

Booth #535
Omnidots North America
www.omnidots.com
Omnidots North America is the North and South American distributor of Omnidots vibration and sound monitors. Omnidots is an industry leader in production of MEMS based monitoring equipment and software focused on easy to use and cost effective monitoring solutions.

Booth #732
Orica Digital Solutions
www.orica.com

Booth #606
Pile Dynamics, Inc. and GRL Engineers, Inc.*
www.pile.com

Booth #216
Project X Corrosion Engineering
https://projectxcorrosion.com
Soil Corrosivity Testing averaging 3 day turn around time, Corrosion Control Recommendations Reports, and Thermal Resistivity Testing laboratory managed by NACE certified corrosion engineer, licensed professional engineer, Materials Scientist & metallurgist. Customer service is our passion.

Booth #729
Pyramid Geophysics
www.pyramidgeophysics.com
Pyramid Geophysics is a full-service geophysical consulting firm based in Greensboro, North Carolina. Pyramid's geophysical capabilities are applied to engineering projects including general geologic mapping, geo-hazard analysis, hydrogeologic investigations, subsurface characterization along proposed infrastructure alignments, and assistance with geotechnical investigations. Pyramid's surface geophysical testing methods include seismic surveys, electrical resistivity testing, electromagnetics (ground conductivity, metal detection) and ground penetrating radar. Pyramid is also a registered small business and provides geophysical services throughout the continental Unites States.

Booth #343
RBM*
www.rbmcompanies.com
RBM Industries, Inc. ("RBM") provides professional engineering and testing services. RBM specializes in Deep Foundation Design & Testing, Support of Excavation Design, Value Engineering, Geotechnical Engineering Forensics & Testing, and Litigation support. RBM provides a team of experts capable of solving challenges related to Infrastructure, Commercial, and Energy industries.

Booth #411
Richard Goettle
https://goettle.com

Booth #212
Richway Industries, Ltd.
www.richway.com

Booth #532
Rocky Mountain Steel Foundations
www.rockymtnsteel.com
Rocky Mountain Steel Foundations is the Regional Distributor of Chance Helical Piers and Resistance Products. Chance, the world wide leader in Helical pile technology, has the most ESR Building Code evaluated products and is on the forefront of engineering and design.

Booth #327
Rocscience
rocscience.com

Booth #742
Sanlien Technology
https://sanlien.com
Sanlien Technology, a family-founded company based in Taiwan, has been a leader in manufacturing geotechnical, structural, and vibration monitoring instruments since 1967. Established by J.C. Lin, Sanlien has grown over the decades and was publicly listed on the Taiwan Stock Exchange in 2001. With a global presence supported by a network of partners, the Sanlien Group now employs over 350 professionals.With more than 50 years of experience in the monitoring industry, Sanlien is committed to delivering accurate, high-quality environmental data, playing a vital role in ensuring the safety of society and supporting sustainable civil development worldwide.

Booth #740
Schnabel*
www.schnabel.com

Booth #538
Seequent
www.seequent.com
Seequent builds world-leading subsurface software, helping create a better understanding of the earth to ensure a better world for all. We are constantly evolving at the forefront of technology to transform how geo-professionals work, eliminating barriers to understanding by integrating software, teams, and the tools they need. Headquartered in New Zealand with global reach, Seequent is the subsurface software company within Bentley Systems. Together, we are helping build a more resilient world.

Booth #716
SGS Beta
www.radiocarbon.com
ISO 17025-accredited SGS Beta is a dedicated radiocarbon dating laboratory with turnaround time of 14 business days or less for its AMS carbon-14 dating service. All analyses are performed in-house by dedicated professional scientists. Take advantage of excellent customer service in 10 languages. Sending samples is easy and convenient through our global forwarding facilities. Results are accessible 24/7 via web access.

Booth #313
Shandong Ruichen Engineering Materials Co,. Ltd
www.rctggs.com

Booth #540
Sobek
www.sobek-technologies.comen
Our Geotec software is for geotechnical data management and reporting. Centralize all investigation and laboratory data into your corporate database. Benefit from comprehensive entry forms and integrated calculations from raw measurements. Customize your graphic reports to reflect company standards.

Booth #617
Soil Scientific
https://soilscientific.com

Booth #728
SoilCloud
www.soilcloud.tech
SoilCloud provide web-based software and services for geotechnical data management, including the reporting and interpretation of ground investigation data. SoilCloud often work with clients to develop bespoke workflows such as 2D and 3D visulizations, leveraging the full power of SoilCloud and linking with other software or processes. SoilCloud is fully compatible with the AGS and DIGGS formats.

Booth #633
Solmax*
www.solmax.com
Solmax is a world leader in sustainable construction solutions, for civil and environmental infrastructure. Its pioneering products separate, contain, filter, drain and reinforce essential applications in a more sustainable way – making the world a better place. The company was founded in 1981, and has grown through the acquisition of GSE, TenCate Geosynthetics and Propex. It is now the largest geosynthetics company in the world, empowered by more than 2,000 talented people. Solmax is headquartered in Quebec, Canada, with subsidiaries and operations across the globe.

Booth #314
Specialty Foundation Systems
https://sfsmt.com

Booth #305
Synthetex
https://synthetex.com
Synthetex is the manufacturer of Hydrotex, a highly engineered fabric form for concrete casting. Hydrotex fabric formwork has been utilized on more than 75 million sq.ft. of installations around the world used in casting of concrete erosion control, scour protection, and geomembrane liner systems.

Booth #638
TabLogs
https://tablogs.com
TabLogs is the ultimate software solution for creating fast, accurate boring logs and managing geotechnical data seamlessly. Designed for field and office use, our intuitive platform helps geotechnical and environmental engineers log boreholes efficiently, automate reporting, and ensures compliance with industry standards.

Booth #640
TeMa North America
www.temacorporation.comen/home-english
For over 30 years, TeMa Technologies and Materials has been involved in environmental, geotechnical and construction engineering projects, making its mark with unique and highly competitive application solutions.TeMa stands out for its ongoing research into new products, the active involvement of designers and customers.TeMa Geo Solutions, BU of TeMa, develops technologies and products for protection, maintenance, retention, reinforcement and drainage in the field of major environmental projects.

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Exhibitors *(continued)*

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Tensar and Geopier*, Divisions of CMC
www.tensarcorp.com

Booth #443
Terracon Consultants*
www.terracon.com

Booth #407
Thermtest
https://thermtest.com

Booth #410
Titan Environmental
www.titanenviro.com
Let's build a better way forward.

We are a North American leader in the supply, installation and fabrication of high-quality geosynthetics and specialty civil engineering construction products that help manage the environment and prolong the life of critical infrastructure. We offer a range of innovative, low-impact and cost-effective solutions designed to protect soil, water, and air, and reduce carbon footprint. Our products are used in civil, environmental, and geotechnical projects in a variety of sectors, including Civil Infrastructure, Water and Wastewater Management, Mining, Oil and Gas, Hydroelectric, Agriculture and Sports & Recreation. We pride ourselves on three principles of Trust. Quality. Value, putting client relationships, superior products, and value at the forefront of what we do.

Booth #403
Utah Geological Survey
http://geology.utah.gov
State Government

** denotes Geo-Institute Organizational Member*

Booth #339
Vertek CPT/ Marchetti
vertekcpt.com
Vertek CPT is the world leader in the development and manufacturing of advances in-situ soil testing equipment, specializing in CPT cones, data acquisition systems and push platforms such as trucks, tracked rigs and modular S4 systems. We are an AS 9100 certified manufacturer offering the industry's best free technical support and training.VertekCPT specializes in CPT cones and various push platforms. We announced a new partnership in 2025 2ith Studio Prof. Marchetti for the distribution of thier matented Medusa & seismic DMT Systems across the US and Canada.

Booth #103
Viaflex
viaflex.com
Viaflex, the leading manufacturer of innovative polymer film and sheeting solutions for agricultural, construction, energy, geomembrane, industrial, telecom, and installation services, is dedicated to identifying the products, systems, and services best suited to tackle complicated containment issues. Viaflex is a fully integrated system from design through installation. With decades of experience, Viaflex has developed a reputation for producing and shipping high-quality, American-made products to major U.S. and worldwide markets. Viaflex is committed to fully sustainable operations and is an ISO 9001 Certified company. Dedicated to protecting the earth while promoting industry, Viaflex's team of experts works with you to create and install purpose-built systems that are effective, durable and incredibly reliable. Learn more at www.viaflex.com.

Booth #315
VJ Tech
www.vjtech.co.uk

Booth #304
VoidForm Products, LLC
voidform.com
VoidForm manufactures products designed to protect concrete structures from damage caused by expansive, corrosive, and seismic soil conditions. Founded in 1980, VoidForm's products have protected millions of square feet of industrial, commercial, residential, and municipal infrastructure. VoidForm is headquartered in Fort Worth, Texas.

Booth #440
Wasatch Geotech
www.wasatchgeotech.com
Wasatch Geotech's vision was founded in the pursuit of providing contractors with specialized, multi-faceted geotechnical solutions, providing a wide array of construction engineering services and all types of surveying. Wasatch provides personal service, and incorporates unique, innovative solutions that are tailored to our contractors' individual specific needs and resources.Our scope of services are wide ranging, and our geographic reach is ever expanding. We are always interested in exploring new ideas and regions.

Booth #611
Western Equipment Solutions
www.westernequipmentsolutions.com
We offer a full line of foundation drilling equipment and tooling from top manufacturers, such as Soilmec, TEI Rock Drills, Leffer, Tescar and more. We also provide expertise and support for your job site logistics, onsite technical support and service, and operator training. Our mission at Western Equipment Solutions is to provide our partners with innovative and custom foundation drilling solutions which will directly increase your productivity, efficiency, and profitability. Our sales and support team is dedicated to getting you the right equipment to get the job done!

Booth #842
WSP
www.wsp.com

General **Information**

Assumption of Risk
All ASCE/G-I events and activities are purely voluntary activities, and attendees are fully responsible for their own conduct and well-being, including, and without limitation, determining their level of fitness to take part in any such event or activity. In participating in any event or activity, attendees shall be deemed to understand and accept all risk of possible physical injury that might occur as a result of such participation. Children under the age of 18 are not allowed in the exhibit hall. ASCE/G-I hopes that your visit to Geo-Congress 2026 will be free from illness or injury, but in case you or a family member needs medical attention during your time at the event, contact the the front desk of your hotel or emergency medical technician at the Calvin L. Rampton Salt Palace Convention Center.

Badge Policy
Your name badge is your admission to the congress. Please wear your badge at all times while in the Calvin L. Rampton Salt Palace Convention Center. We do suggest removing it upon exiting the building.

Diversity and Inclusion
The ASCE/G-I policy of Diversity and Inclusion fosters a culture that encourages the free expression and exchange of engineering ideas by all members, regardless of gender, race, ethnic origin, religion, age, marital status, sexual orientation, disabilities, or any other reason not related to scientific or technical merit.

Health & Safety
ASCE strongly encourages you to take safety precautions to protect yourself and fellow attendees from communicable diseases such as influenza, measles, and COVID-19. These precautions include frequent handwashing and may include vaccinations and mask use as recommended by your health care provider,

Any attendee who is experiencing symptoms of communicable disease (for example, fever) or has any concerns they have been infected may not attend in-person activities.

Attendance Policy
Please be aware that an inherent risk of exposure to influenza, measles, COVID-19 and other communicable disease exists anywhere other people are present. Any person who chooses to travel to and/or participate in this conference: acknowledges that they are aware of the inherent risk of attending the conference; assumes all risks arising from their decision to attend, including but not limited to infection from other vaccinated or unvaccinated participants, hotel staff, hotel guests, or other persons; and waives liability against ASCE, its officers, directors, employees, agenda, contacts and volunteers for any loss, damages, or suffering related to exposure to COVID-19 or other communicable disease.

By virtue of their attendance, all attendees agree to comply with all safety procedures established by ASCE as well as any other protocols.

Meeting Room Overcrowding
ASCE/G-I will make every effort to schedule popular events in rooms large enough to accommodate anticipated attendance. Since many events are extremely popular, it is wise to select alternative events as you plan your conference schedule. ASCE/G-I and the Calvin L. Rampton Salt Palace Convention Center are REQUIRED to follow local fire regulations and may ask participants in rooms filled to capacity to choose another event.

No Smoking Policy
Smoking is not allowed at any ASCE/G-I event

Yoga
6:00 a.m. – 7:00 a.m., *Sundance Room, Salt Lake City Marriott City Center*

Join fellow early risers to take charge of your day with a clear, thoughtful, and activated intention. Feel fit and strong for whatever the day holds!

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ASCE2027: The Infrastructure and Engineering Experience is where changemakers from across the infrastructure landscape unite to ignite bold ideas, tackle the world's most pressing challenges, and pioneer the breakthroughs in engineering research, technology, and practice that will shape a brighter, more resilient future.

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