



We are making a BIG DEAL about Texas Day, being held Friday, May 10 at IFCEE 2024.

Everyone knows that Texas is big — like it's-practically-its-own-country big. Texans are VERY proud of their home, and they are quick to embrace anything that defines their unique identity. This is true in the foundations world, too, where Texas means everything from soils that shrink and swell to soft shales, hard limestone, and heated discussions about slurry.

Friday, May 10, is Texas Day at IFCEE, complete with Frito pie and technical presentations about things like case histories in Texas and innovative foundation design in Texas' unique environment. There will be a frank

discussion about overdesign of drilled shafts, and the corn hole tournament will pit Texans against each other. Also, look for special Texas-themed features in the exhibit areas.

Don't miss this focused part of the conference, whether you are from the area or just work there. It's going to be well ... BIG. (You knew that's where this was going, right?)

- Indoor and Outdoor Exhibits open 8:00 AM 2:00 PM
- Student Cornhole Competition
- Demonstrations in the Outdoor Exhibits

Texas Day Schedule: Friday, May 10

	Session 4A:	DFI Position Statement on	Geotechnical Baseline Re	ports - Special Session
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8:00 AM to 9:30 AM Moderator: Mary Nodine, P.E., Federal Highway Administration

Session 4B: Emerging and Innovative Technologies - Monitoring

8:00 AM to 8:20 AM New Rapid Nondestructive Testing Method for Detecting and Quantifying Steel

Corrosion in Saltwater and Clay Soil Using the Vipulanandan Impedance

Corrosion Model

Cumaraswamy Vipulanandan, Ph.D., P.E., CIGMAT/University of Houston

8:20 AM to 8:40 AM Innovative Uses or Remote Sensing for Geotechnical Performance Verification

Allen Cadden, P.E., BC.GE, Schnabel Engineering

8:40 AM to 9:00 AM Soil Surface Deformation Measurement Using Photogrammetry Based on a

Consumer-Grade Camera

Arjan Poudel, Ph.D., University of Texas at Arlington

9:00 AM to 9:20 AM Deep Foundation Design When You Can't Dig a Hole?

Ashley Shirer, Ph.D., P.E., RPA, GEI Consultants

9:20 AM to 9:30 AM Discussion

Session 4C: Ground Improvement - Deep Mixing and Jet Grouting

8:00 AM to 8:20 AM Development of Measuring Tools Related to the Technique of Jet Grouting

Marco Angelici and Valerio Salvi, Crm Srl

8:20 AM to 8:40 AM Field Sampling and Testing Procedures For Soil-Cement Mixtures Used In Soil Mixing

and Slurry Trenching

Daniel Ruffing, P.E., Geo-Solutions, Inc.

8:40 AM to 9:00 AM Lake Waconda Levee – Remediation Using the One-Pass Trench Method for a

Seepage Barrier

Charles Krolikowski, P.E., AECOM

9:00 AM to 9:20 AM Structure Connections and Wall Tie-Ins for Cutoff Wall Construction

Michael Arnold, Ph.D., BAUER Foundation Corp.

9:20 AM to 9:30 AM Discussion

Session 4D: Texas Day Is My Drilled Shaft Overdesigned? – Special Session

8:00 AM to 9:30 AM Presenters: Erik Loehr, Ph.D., P.E., University of Missouri; Paul Axtell, P.E.,

Dan Brown and Associates; and Silas Nichols, P.E., Federal Highway Administration

Session 5A: Drilled Foundations - Case Histories Micropiles

Moderators: Howard Perko, Magnum Piering, and Ed Laczynski, Wagman Heavy Civil Construction

11:00 AM to 11:20 AM Hines Maple Terrace, Dallas, Texas

Chelsea Hoplin, P.E., GEI Consultants, and Ryan Watson, P.E., Orduno Design Services

11:20 AM to 11:40 AM 734 15th Street, Washington, DC – MCAAD Micropiles

Michael Bianco, P.E., Nicholson Construction Company

11:40 AM to 12:00 PM	Helical Pile Underpinning of a Raised, Wooden Restaurant Kevin Baumgartner, P.E., and Valerie Vasquez, E.I.T., Magnum Geo-Solutions			
12:00 PM to 12:20 PM	Helical Piles for Support of High-Level Platforms in a Cohesive Soil Deposit Russell Preuss, P.E., Gannett Fleming			
12:20 PM to 12:30 PM	Discussion			
	etention - Earth Retention Analyses nard, Malcolm Drilling, Mike McNicolas, Keller North America			
11:00 AM to 11:20 AM	Numerical Analysis to Investigate the Static and Dynamic Performance of GRS Bridge Abutments Vahid Alizadeh, Ph.D., P.E., Fairleigh Dickinson University			
11:20 AM to 11:40 AM	Uncoupled Limit Equilibrium Analysis of Embedded Walls Garry Gregory, Ph.D., P.E., S.E., BC.GE, Gregory Geotechnical			
11:40 AM to 12:00 PM	An Updated Effective Stress (βHBM) Method for Predicting Hollow-bar Micropiles' Pullout Capacity in Sandy Soils Mohammad Ahsanuzzaman, P.E., Terracon Consultants Inc.			
12:00 PM to 12:20 PM	Effective Shaking of Bridge Piers on Deep Foundation in Liquefiable Ground Patrick Wilson, Ph.D., P.E., Earth Mechanics, Inc.			
12:20 PM to 12:30 PM	Discussion			
Session 5C: Recent Developments in Applications of Rigid Inclusions – Special Session				
11:00 AM to 12:30 PM	Session Sponsors: Geo-Institute Soil Improvement Committee			
Session 5D: Ground Improvement - Biopolymers				
11:00 AM to 11:20 AM	The Role of Biopolymers in Enhancing Granular Media Shear Strength: A Comparative Analysis Mohamed Alassal, Virginia Tech University			
11:20 AM to 11:40 AM	The Durability of Biopolymer Treated Sands to Cyclic Drying and Wetting: Mechanisms of Sample Deterioration. Mohammadhasan Sasar, Ph.D., Virginia Tech University			
11:40 AM to 12:00 PM	Short-term Changes in Soil Aggregate Stability in Biopolymer-amended, Coarse-Grained sSoil Daniel Smith, Ph.D., Virginia Tech University			
12:00 PM to 12:20 PM	Using Liquid Polymer toGgrout Soil with High Fine Contents Jie Huang, Ph.D., The University of Texas at San Antonio			
12:20 PM to 12:30 PM	Discussion			