



The Geo-Institute Deep Foundations Technical Committee will live-stream on Friday, December 6, at 11AM EST. The topics include:

“Integrity Evaluation Methods of Cast-in-Place Deep Foundations: Basic Principles, Capabilities, and Limitations” **Mohamad Hussein**, P.E., M.ASCE

Cast-in-place deep foundations are widely used to efficiently support structures in challenging geotechnical conditions and/or subjected to high loads, seismic, scour, lateral impact, or other extreme events. Optimized designs typically result in higher load demands, fewer deep foundation elements, smaller and shorter deep foundation sizes. Quality control and assurance methods are an integral part of the process of assessment of each deep foundation element’s ability to successfully satisfy the foundation design intent and performance requirements. Some of the common inspection methods include assessments of excavation verticality and profile, and base cleanliness. Common integrity assessment testing methods include low-strain dynamic testing, cross-hole sonic logging, and thermal integrity profiling. Basic principles, capabilities and limitations of each testing method are discussed and illustrated with data from actual projects.

“State of the Art on Micropile Design, Construction and Testing” **Sebastian Lobo Guerrero**, Ph.D., PE, BC.GE, F.ASCE

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