

# 2016-2017 CMAA-SAC LUNCH & LEARN SERIES

## Educational Advancement During Your Lunch Hour!

Please join CMAA-SAC for our Lunch & Learn Series. The presentations will be comparable to AIA and will help you fulfill CEUs for other organization. Attendance Certificates will be made available to all attendees.

## CONSTRUCTION MANAGEMENT OF GEOTECHNICAL DESIGN AND SPECIALTY CONTRACTING

presented by:

**Daren Zywicki, PhD, PE**  
S&ME, Inc.

Mr. Zywicki, PhD, PE, is a Principal Engineer and Project Manager with S&ME, Inc.'s Duluth, Georgia office. He has designed and managed a variety of support of excavation and complex underground projects, including secant pile walls, tieback walls, soil nail walls, slurry walls, jet grouting, tunnel shafts, micropiles, deep soil mixing (DSM), and geotechnical instrumentation and monitoring systems (GIMS).

He has managed underground support of excavation projects in several urban settings, including Miami, FL, Manhattanville, NY, Cleveland, OH, and Washington, DC, where analysis of the impacts and protection of adjacent structures are significant considerations. He designed a first-of-its-kind deep soil mix (DSM) plug for underground excavation support and groundwater cutoff for the Brickell CityCentre in Miami, FL. Dr. Zywicki is a Licensed Professional Engineer in 6 states.



### Presentation Summary

Design and construction of geotechnical elements of construction projects often require specialty geotechnical designers and contractors due to the use of specialized methods, equipment and personnel. Some examples of these specialty items include earth retention, ground water cutoff, ground improvement and deep foundations. The specialty geotechnical elements may be temporary, such as support of excavation to facilitate construction of a permanent basement wall, or permanent, such as micropile deep foundations for structural support of a building.

The design of specialty geotechnical elements may be performed by the Owner's Engineer or may be delegated to the Contractor's Engineer. These different design and construction delivery methods create project-specific geotechnical contracting considerations for the construction manager, and impact the approach to project planning, design, submittals and management of the geotechnical aspects of the project.

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**Wednesday**  
**January 25**  
**12:00 - 1:00 PM**

### **Where:**

999 Building Conference Center  
5th Floor  
999 Peachtree Street, NE  
Atlanta, GA 30329

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