



# Introduction to Geotechnical Engineering

1.0 AIA Learning Unit, 1.0 PDH, and Health, Safety, and Sustainability Credits

Join F&R for an AIA accredited presentation that addresses different aspects of geotechnical engineering and how they relate to construction and the International Building Code (IBC 2009). Your instructor will cover topics including the different types of foundations as well as identifying potential construction problems arising from geotechnical issues.



## Presentation Highlights

- **Geotechnical Engineering** - What is it?
- **Foundation Types** - A discussion of shallow and deep foundations and their benefits and risks.
- **Site Characteristics** - How does geology influence subsurface exploration?
- **Methodology** - What are the types of drill units and the methods by which subsurface data is obtained?
- **Subsurface Profiles** - What do soil classification, N-value, and water level have to do with it?
- **The Geotechnical Report** - How does it apply during the construction phases of your projects?
- **Inconsistent Data** - What happens when site conditions and the subsurface exploration do not match up?
- **Construction Monitoring Services** - What are the geotechnical aspects?
- **Troubleshooting** - Causes of potential construction phase problems.
- **Pavement Design Recommendations**
- **IBC Compliance** - What is the geotechnical criteria as it is set forth in IBC 2009, Chapters 16, 17, and 18?

F&R's free AIA presentations are ideally suited for lunch and learn seminars. For more information please contact:

Jack Mingus  
Director of Marketing  
Office: 804.264.2701  
jmingus@fandr.com

