

HalfMoon Education Live Continuing Education Webinars

Design and Construction on Expansive Soils

Online - Friday, February 10, 2023 | 9:00 am - 4:00 pm CST

Credits:

Professional Engineers: 6.0 PDHs

Architects: 6.0 HSW CE Hours AIA: 6.0 LU|HSW

International Code Council: .6 CEUs (Building)

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AIA
Continuing
Education
Provider



Webinar Agenda | Friday, February 10, 2023 | 9:00 am - 4:00 pm CST (including a 30-min. break)

Understanding Expansive Soils

- Defining expansive soils
- Characteristics
- Mechanics of expansive soils
- Testing and identifying expansive soils

Shallow Foundation Design on Expansive Soils

- Appropriate foundations for expansive soils
 - Shaft piers
 - Void forms
 - Spread footers
 - Slab construction

Repairing Shallow Foundations on Expansive Soils

- Identifying problems and causes
- Assessing damage
- Considering options for repair and improvement

Slope Stabilization on Expansive Soils

- Slope design
- Soil improvement
- Use of geosynthetics
- Other stabilization techniques

Retaining Wall Design and Maintenance on Expansive Soils

- Common problems with retaining walls on expansive soils
- Effective retaining wall designs
- Troubleshooting, repair and maintenance

Presented by

Daniel Messmer P.E. D. GE *Project Manager with The Gateway Engineers, Inc., in Pittsburgh*

Mr. Messmer has over 30 years of engineering experience in analysis, design, plan/specification development, and project management/personnel supervision for geotechnical, foundation and structural engineering projects in the transportation, industrial, municipal and commercial fields of civil engineering. Throughout his career he has placed an emphasis on quality control and staff training. Mr. Messmer is a member of the American Society of Civil Engineers, the American Concrete Institute, the American Society of Highway Engineers and the Society of American Military Engineers. He earned his B.S. degree in Civil Engineering from the University of Pittsburgh. Mr. Messmer was accepted into the Academy of Geo-Professionals in 2013.

Tuition

- \$319** for individual registration
- \$289** for two or more registrants from the same company at the same time.

Included with your registration: PDF seminar manual.

Additional Learning

Managing Construction Projects

- Thursday, January 12, 2023 | 8:30 am - 4:30 pm CST

Preventing and Addressing

Construction Defects and Failures

- Tuesday, January 17, 2023 | 1:00 - 4:15 pm CST
- Wednesday, January 18, 2023 | 1:00 - 4:15 pm CST

Structural Forensic Engineering of Buildings

- Friday, January 20, 2023 | 9:00 am - 5:00 pm CST

Credit Information

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and 6.0 HSW continuing education hours for licensed architects in all states.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers and architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2) and §69.6(i)(2)). Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 LU/HSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Building (Preferred Provider No. 1232).

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits

The above pre-approval(s) only apply to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that this structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:

6.0 HSW LUs (AIA)

Can't Attend? Order the Webinar as an On-Demand Package!

Recordings of this webinar are available for purchase. See details online.

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