

HalfMoon Education Live Continuing Education Webinars

Foundation and Retaining Wall Damage and Repair: Science, Materials and Techniques

Online - Monday, October 24, 2022 | 8:30 am - 4:30 pm CDT

Credits: Professional Engineers: 6.5 PDHs

Architects: 6.5 HSW CE Hours AIA: 6.5 LU|HSW

Landscape Architects: 6.5 HSW CE Hours LA CES: 6.5 HSW PDHs

International Code Council: .65 CEUs (Building)

HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



AIA
Continuing
Education
Provider



PREFERRED
EDUCATION
PROVIDER

Science of Structures and Soils

- Typical loads on shallow foundations
- Typical loads on slabs
- Soil mechanics and effects on structures
 - Soil properties
 - Bearing capacity
 - Soil settlement
 - Effects of water, frost and freeze/thaw cycle

Foundation Features, Materials and Functionality

- Design and construction of shallow foundations
- Design and construction of slab foundations
- Design and construction of basements and retaining walls
- Design and construction of specialty features:
 - walk-outs, partially-exposed foundations

Evaluating Foundation/Retaining Wall/Slab Damage

- Inspecting, monitoring and assessing damage
 - Settlement
 - Frost heave
 - Expansive soils
 - Shrinkage
 - Subsurface erosion
 - Subsidence
 - Cracking
 - Utility failures
 - Poor drainage

Stabilizing and Repairing

Foundations/Retaining Walls/Slabs

- | | |
|---------------|----------------------|
| Piers, piles | Soil tiebacks |
| Carbon fibers | Soldier beams |
| Crack repair | Secant-tangent walls |
| Underpinning | Reconstruction |

Case Studies

- Developing stabilization and/or repair strategies for real-life problems
- Registrants are welcome to bring their own foundation problems for discussion

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.

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

Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Learn More and Register:

www.halfmoonseminars.org
Customer Service (715) 835-5900 Ext. 1

or scan here



Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers, 6.5 HSW continuing education hours for licensed architects, and 6.5 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

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 6.5 LU|HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

The International Code Council has approved this event for .65 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).