

HalfMoon Education Live Continuing Education Webinars

# Evaluating and Rehabilitating Foundations and Retaining Walls: Science, Materials, and Techniques

**Online - Wednesday, May 31, 2023 | 8:30 am - 4:00 pm CDT**

**Credits:** Professional Engineers: 6.0 PDHs

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

Landscape Architects: 6.0 HSW PDHs      LA CES: 6.0 HSW PDHs

International Code Council: .6 CEUs (Building)

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### **How Soil Behavior Affects Structural Performance**

- Cohesionless soils
- Cohesive soils
- Unsuitable and problematic soils

### **Behavior of Retaining Walls**

- Wall types and behavior
- Design considerations and lateral earth pressures
- Water management and drainage systems
- Common problems and failures

### **Tools of the Trade - Investigation Methods**

- Subsurface explorations
- Non-destructive test methods for various materials
- Instrumentation

### **Foundation and Retaining Wall Repairs**

- Underpinning options
- Slab repair options
- Wall repair options
- Means and methods
- Failure examples with case studies

### **Shallow Foundations and Slabs-On-Grade**

- Design considerations
- Typical construction
- Common problems and failures

### **How Construction Affects Adjacent Buildings and How to Minimize Damage**

- Vibrations
- Lateral movement and settlement
- Preconstruction surveys/condition assessments
- Monitoring

### **Presented by**

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### **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!**

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## **Credit Information**

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers, 6.0 HSW continuing education hours for licensed architects, and 6.0 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. 24GP0000700) 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 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.0 HSW PDHs. Only full participation is reportable to the LA 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 preceding credit information only applies 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 a 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)

6.0 HSW PDHs (LA CES)