

Agenda

Presented by Justin Lewis, John Corradetti

Morning Session: Earth Retention

Soil Mechanics and Earth Retention Design

Soil investigation
Developing earth pressures
Applicable codes and standards
Design examples

Earth Retention Systems, Part 1

Sheet pile and soldier pile walls
Bracing systems
Tieback anchors
Soil nail walls

Earth Retention Systems, Part 2

Secant pile and diaphragm walls
Top down excavation
Case histories

Afternoon Session: Foundations

Ground Modification

Vibro technologies
Grouting technologies

Drilled Shafts and Continuous Flight Augured (CFA) Piles

Applications
Methods of construction

Driven Piles and Micropiles

Applications
Methods of construction

Deep Foundation Case Histories

Deep Foundations and Excavations
Springfield, IL - Tuesday, June 26, 2018

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



Learning Objectives

You'll be able to:

Discuss soil mechanics and review applicable codes and standards.

Explore earth retention systems, including sheet pile and soldier pile walls, tieback anchors, and soil nail walls.

Examine vibro technologies and grouting technologies for ground modification.

Talk about different types of deep foundations, including drilled shafts, CFAs, driven piles and micropiles.

Evaluate earth retention case studies and deep foundation case studies.



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Understand soil mechanics and earth retention design

Identify applicable codes and standards

Explore different earth retention systems

Examine ground modification techniques

Learn about drilled shafts and CFA

Discuss deep foundation case histories

Continuing Education Credits

Professional Engineers

6.5 PDHs

Structural Engineers

6.5 Continuing Ed. Hours

Architects

6.5 HSW Contact Hours

6.5 AIA HSW Learning Units

Contractors

Non-Credit Continuing Ed.



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Faculty

Justin Lewis, P.E. *Division Manager for the Structural Support and Earth Retention System Group*

Mr. Lewis is a graduate of the University of Illinois at Urbana-Champaign with B.S. (2007) and M.S. (2008) degrees in Civil and Environmental Engineering with a focus on geotechnical engineering. He has worked at Hayward Baker for more than nine years. He has worked with a wide variety of technologies that Hayward Baker has to offer with particular experience in the fields of jet grouting, earth retention, micropiles, and driven piles. Mr. Lewis has previously held roles as field engineer, project engineer, and project manager, and he currently serves as division manager for the Structural Support and Earth Retention System Group in the Midwest. He has responsibility for managing and supporting a talented team in bidding, designing, and managing earth retention and deep foundation projects. Particular areas of expertise and/or experience include grouting (structural/bottom seal), sheet piling, soldier beams and lagging, secant/tangent piles, internal bracing, tiebacks, driven piles, and micropiles.

Seminar Information

**President Abraham Lincoln
Springfield Doubletree**
701 East Adams Street
Springfield, IL 62701
(217) 544-8800

Tuition
\$279 for individual registration
\$259 for three or more registrations.

Each registration includes a complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (on your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 4:30 pm

John Corradetti *Project Manager with Case Foundation*

Mr. Corradetti has been at Case Foundation since 2015 a role as project manager in their caisson division. Key projects in which he has overseen drilled shaft construction are the O’Hare Airport Consolidated Rental Car Facility; I-29 over the Floyd River in Sioux City, Iowa; and I-40 over the White River near Little Rock, Arkansas, as well as a host of building projects in downtown Chicago. Key responsibilities include bidding and managing deep foundation projects in the Midwest with emphasis on top-of-rock, rock-socketed, and large-diameter caissons. Prior to Case Foundation, Mr. Corradetti worked on large-scale projects that involved large-diameter drilled shafts. He worked in the role of a general contractor on projects including the I-15 north corridor design-build in Las Vegas, Nevada, and the reconstruction of the BNSF lift bridge in Burlington, Iowa. Mr. Corradetti completed his undergraduate work at the University of Illinois at Urbana-Champaign (2007), obtained an MS degree in Construction Engineering and Management at Illinois Institute of Technology (2015), and will finish his M.B.A degree at the University of Illinois at Chicago in August of 2017.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers, 6.5 continuing education hours to structural engineers, and 6.5 HSW contact/CE hours to architects in Illinois. Educators and courses are not subject to preapproval in Illinois.

The American Institute of Architects has approved this event for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

Engineers and architects seeking continuing education credit in other states will be able to apply the hours earned at this seminar, except Florida architects. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved architect continuing education sponsor in New York.

This seminar also offers a non-credit continuing education opportunity to construction contractors. It has not been submitted to any state contractor licensing board for continuing education approval.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Additional Learning

Webinar Series

- Complying with Fire and Building Codes**
- **Introduction to Fire Protection and Life Safety Design**
Thurs., May 3, 2018, 11:00 AM - 12:30 PM CDT
 - **Occupancy Classifications**
Thurs., May 3, 2018, 1:00 - 2:30 PM CDT
 - **Means of Egress**
Fri., May 4,, 2018, 11:00 AM - 1:00 PM CDT
 - **Fire Protection Features and Occupancy Exercises**
Fri., May 4, 2018, 1:30 PM - 3:30 PM CDT

- Pavement Design**
- **Principles of Pavement Design**
Thurs., May 10, 2018, 11:00 AM - 12:30 PM CDT
 - **Flexible Pavement Design**
Thurs., May 10, 2018, 1:00 - 2:30 PM CDT
 - **Rigid Pavement Design**
Fri., May 11, 2018, 11:00 AM - 12:30 PM CDT
 - **Pavement Drainage and Maintenance**
Fri., May 11, 2018, 1:00 PM - 2:30 PM CDT

- Foundations in Cold Regions**
- **Introduction to Cold Regions Foundations**
Thurs., May 17, 2018, 11:00 AM - 12:30 PM CDT
 - **Shallow Foundation Design in Cold Regions**
Thurs., May 17, 2018, 1:00 - 2:30 PM CDT
 - **Deep Foundation Design in Cold Regions**
Fri., May 18, 2018, 11:00 AM - 12:30 PM CDT
 - **Foundation Construction in Cold Regions**
Friday, May 18, 2018, 1:00 - 2:00 PM CDT

- Proposal Writing**
- Tues., May 22, 2018, 11:00 AM - 3:30 PM CDT

- Soil Engineering**
- **Introduction to Soil Engineering**
Wed., May 30, 2018, 11:00 AM - 12:30 PM CDT
 - **Design of Excavation Support Systems**
Wed., May 30, 2018, 1:00 - 2:30 PM CDT
 - **Slope Repair Techniques**
Thurs., May 31, 2018, 11:00 AM - 12:30 PM CDT
 - **Practical Approaches to Foundations and Retaining Structures**
Thurs., May 31, 2018, 1:00 - 2:30 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Can’t Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

Deep Foundations and Excavations
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How to Register		Registrant Information
Online: www.halfmoonseminars.org		Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900		Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066		
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. Attach duplicates if necessary.		
		Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.

() I need special accommodations. Please contact me.

Tuition

- () **I will be attending the live seminar.** Single Registrant - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.
- () **I am not attending.** Please send me the CD manual package for **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*
Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City: _____ State: _____ Zip: _____
Signature: _____
Email: _____