

Agenda

Presented by Dr. Alan Atalah

Accommodating Multiple Purposes of Site Engineering

Slope stabilization
Stormwater management
Landscape aesthetics
Engineering for built elements
Sustainability goals: minimizing disturbance and preserving natural features

Considering the Impact of Soils and Landforms

Understanding the role of soils
Soil characteristics, classification and engineering properties
Understanding the watershed
Considering high points, low points and plane surfaces

Site Engineering for Stormwater Management and Erosion Control

Reviewing state and local regulations
Drainage systems
Sediment traps and basins
Buffer zones
Slope stabilization
Establishing proper building material handling and storage
Establishing equipment/vehicle fueling and maintenance practices

Earthwork Safety

Weight of soil and excavation hazards
Underground installations
Water accumulation
Protection of workers and others

Site Plans

Site plan contents
Soil investigation and considerations
Surface water and groundwater considerations
Excavation specifications and hauling
Construction grade staking

Site Grading

Grading for roads, sidewalks and paths
Grading for stairs and ramps
Grading for retaining walls
Grading slopes

Site Program Management

Initiation, planning, execution and closure
Program governance
Quality control

Practical Site Engineering: Science and Techniques
Dayton, OH - Tuesday, February 27, 2018

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Learning Objectives

You'll be able to:

Engineer construction sites for slope stabilization, stormwater management, and landscape aesthetics.

Consider the impact of soil characteristics and engineering properties.

Discuss procedures for ensuring earthwork safety.

Improve site grading for roads, sidewalks, and paths.

Develop site plans and manage site work with a focus on quality control.



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Accommodate multiple purposes of site engineering

Consider the impact of soils and landforms

Utilize site engineering to manage stormwater and control erosion

Maintain earthwork safety

Explore site plans and site grading, as well as site program management

Continuing Education Credits

Professional Engineers

7.0 CPD Hours/PDHs

Architects

7.0 HSW Continuing Ed. Hours

7.0 AIA HSW Learning Units

Construction Contractors

Non-Credit Continuing Ed.



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Dr. Alan Atalah *Associate Dean Professor, Bowling Green University*

Dr. Atalah joined BGSU in 2000 to teach and lead research in the field of construction management where he taught and mentored hundreds of construction management students. Since his graduation with a BS degree in Civil Engineering in 1982, Dr. Atalah has been involved in the construction of water and wastewater projects with several American and British firms in challenging conditions such as nearby high rise buildings, old buildings and infrastructures; critical businesses; high ground water tables; very soft and stratified soils; unknown utilities; and congested streets.

Dr. Atalah earned his doctorate in Engineering, his master’s degree in Business Administration, and his master’s degree in Civil Engineering from Louisiana Tech University in Ruston, Louisiana. Dr. Atalah was a board member of the Great Lake Trenchless Technology Association for 11 years and a board member of the North American Society for Trenchless Technology for six years. He has been a chair and committee member charged with developing several American Society of Civil Engineers (ASCE) manuals and reports. ASCE recognized his service by granting him fellow membership, which is a significant honor bestowed to less than four percent of its membership.

Seminar Information

Courtyard Dayton - University of Dayton 2006 S. Edwin C. Moses Blvd. Dayton, OH 45417 (937) 220-9060	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 - 5:00 pm
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Tuition
\$279 for individual registration
\$259 for three or more simultaneous 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 a job description, go online to 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.



Webinar Series

- Technical Writing**
- **Technical Writing Basics**
Tues., Jan. 9, 2018, 11:00 AM - 1:00 PM CST
 - **Planning Documents**
Tues., Jan. 9, 2018, 1:30 - 3:30 PM CST
 - **Writing Documents**
Wed., Jan. 10, 2018, 11:00 AM - 1:00 PM CST
 - **Revising and Editing Documents**
Wed., Jan. 10, 2018, 1:30 - 3:30 PM CST

- Deep Foundations**
- **Deep Foundation Site Evaluation**
Wed., Jan. 17, 2018, 11:00 AM - 12:00 PM CST
 - **Overview of Deep Foundations**
Wed., Jan. 17, 2018, 12:30 - 2:00 PM CST
 - **Deep Foundation Pile Design**
Thurs., Jan. 18, 2018, 11:00 AM - 12:30 PM CST
 - **Deep Foundation Installation and Testing**
Thurs., Jan. 18, 2018, 1:00 - 2:00 PM CST

- Masonry Design and Construction**
- **Introduction to Masonry Materials and Requirements**
Thurs., Jan. 11, 2018, 11:00 AM - 1:00 PM CST
 - **Masonry Construction Techniques**
Thurs., Jan. 11, 2018, 1:30 - 3:30 PM CST
 - **Quality Control and Sampling**
Fri., Jan. 12, 2018, 11:00 AM - 1:00 PM CST
 - **Masonry Inspections and the Masonry Standards Joint Committee (MSJC) Code**
Fri., Jan. 12, 2018, 1:30 - 3:30 PM CST

- Designing Solar Roofs and Community Solar**
- **Design Your Solar Roof**
Wed., Jan. 24, 2018, 11:00 AM - 2:15 PM CST
 - **Community Solar**
Wed., Jan. 31, 2018, 11:00 AM - 2:15 PM CST

Continuing Education Credit Information

This live lecture presentation is open to the public and offers 7.0 CPD hours/PDHs to professional engineers and 7.0 HSW continuing education hours to architects in all states, except Florida architects. Educators and courses are not subject to preapproval in Ohio.

This seminar is approved by the American Institute of Architects for 7.0 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA/CES.

HalfMoon Education is deemed an approved continuing education sponsor for New York architects. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota.

This seminar offers a non-credit continuing education opportunity to contractors. It has not been approved by any state contractor licensing entity for mandatory continuing education credit.

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.

Can’t Attend? Order the CD/Manual Package:
A full recording of this seminar is available for \$289, which includes shipping and handling. This learning method does not qualify for the continuing education credit for Ohio architects or engineers. Please allow five weeks from the seminar date for delivery.

Registration

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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: _____
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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)

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