

Credit and Webinar Information

Continuing Education Credit Information

See each course listing for the type and amount of each continuing education credit available. Individual courses for engineers and architects are not subject to pre-approval. HalfMoon Education does not apply for landscape courses in FL, NC, and NJ or land surveyor courses in FL, KS, NJ, TN and TX, unless expressly stated.

HalfMoon Education Certifying Entities

American Institute of Architects Continuing Education System (No. J885)

International Code Council (No. 1232)

Landscape Architect Continuing Education System

American Institute of Certified Planners (APA)

Boards of Engineering: Florida (No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina (No. S-0130), and North Dakota.

Course-by-Course Providers:

Association of State Floodplain Managers

American Planning Association/AICP

HalfMoon Education is deemed a New York-approved continuing education provider for engineers, architects, and landscape architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2), and §79-1.5(i)(2)).

Completion certificates will be awarded to participants who complete this event, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Webinar Instructions

Each webinar session earns continuing education credit and can be registered for individually. All attendees must log-on through their own email – attendees may not watch together on the same device if they wish to earn continuing education credit. HalfMoon Education Inc. must be able to prove attendance if either the attendee or HalfMoon Education Inc. is audited.

Certificates of completion will be available for download and printing upon completion of a follow-up quiz with at least 80% accuracy (multiple attempts allowed).

Webinars are presented via **GoToWebinar**, an easy-to-use application that can be run on most systems and tablets. Instructions and login information will be provided in an email sent close to the date of the webinar. **It is highly recommended that you download, install and test the application before the webinar begins by clicking on the link in the email.**

GoToWebinar system requirements:

Operating System: Windows 7 - 10, Mac OSX 10.9 (Mavericks) - macOS Catalina (10.15), Linux, Google Chrome OS, Android OS 5 (Lollipop) - Android 9 (Pie), iOS 10 - iOS 12, Windows Phone 8+, Windows 8RT+

Web browser: The two most recent versions of Google Chrome or Mozilla Firefox
Internet connection: Minimum of 1Mbps, Mobile: 3G or better (WiFi Recommended)

Hardware: 2GB of RAM (minimum), 4GB or more of RAM (recommended)

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Deep Dive Webinar Series

Seven Live, Interactive Online Webinars

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Deep Dive Webinar Series

Seven short webinars that each take a look at a single subject in April 2021

To register, view webinar agendas, credit information and to learn about our distinguished faculty, please visit us online at:

www.halfmoonseminars.org

Have questions or wish to register by phone?

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HalfMoon Education Online Learning Deep Dive Webinar Series

Seven short webinars that each take a look at a single subject in April 2021



1. Deep Dive – 2021 Energy Code – The Least You Need To Know
2. Deep Dive into Life Cycle Assessment and the Recycling/Reuse of Building Materials
3. Deep Dive into Geosynthetics and Mechanically-Stabilized Earth (MSE) Wall Design
4. Non-Stick Future: Deep Dive into PFAS Remediation and Regulation
5. Deep Dive into Construction Contract Fundamentals and Dangerous Provisions
6. Deep Dive into Water Infiltration in Soil
7. Deep Dive into Landscaping for Climate Change

Each webinar earns continuing education credit. Look inside for details and visit us online at www.halfmoonseminars.org for more information.



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



AIA
Continuing
Education
Provider

1. Deep Dive – 2021 Energy Code – The Least You Need To Know

Wednesday, April 14, 2021 | 10:00 am - 1:30 pm CDT (incl. 30-min. break) **Tuition:** \$150

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW International Code Council: .3 CEUs (Energy)

Agenda:

Energy Code Changes in 2021 code cycle

- Improved thermal and envelope air leakage requirements
- Additional energy efficiency packages a new “points” system
- Zero Code appendix

Commercial provisions

- Scope and administration
- Compliance options
- General requirements
- Existing buildings

Building envelope

- Weather-resistive barriers
- Vapor barriers, air barriers and thermal boundaries
- Calculating insulation thickness/U factors
- Slab insulation
- Fenestration requirements, requirements for doors and entrances
- Skylights and daylighting
- Insulation requirements
- Air barrier tightness and testing requirements
- Basement insulation, exterior foam
- Vestibules

Presented by Lawrence Lile *Owner of Lile Engineering in Ashland, MO*

21 USDD21EC 4 14 WEBR PC

2. Deep Dive into Life Cycle Assessment and the Recycling/Reuse of Building Materials

Wednesday, April 14, 2021 | 12:00 - 1:30 pm CDT

Tuition: \$75

Credits: Professional Engineers: 1.5 PDHs Architects: 1.5 HSW CE Hours
AIA: 1.5 LU|HSW International Code Council: .15 CEUs (Sustainability)

Agenda:

Cradle-to-grave and cradle-to-cradle Different types of life cycle assessments
Review of US building stock Reuse of materials through deconstruction
Definitions for life-cycle assessment Pros and cons of demolition vs. deconstruction
Buildings as material banks How can we make it cheaper and easier
Where do we get reused and recycled materials
Residential vs. commercial projects Project and economic examples
Opportunities and challenges of recycled/reusable materials

Presented by Ted Reiff *Founder and president of The ReUse People of America, Inc. (TRP)*

21 USDDLFCFA 4 14 WEBR CP

3. Deep Dive into Geosynthetics and Mechanically-Stabilized Earth (MSE) Wall Design

Friday, April 16, 2021 | 10:00 am - 1:00 pm CDT

Tuition: \$150

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW Landscape Architects: 3.0 HSW CE Hours LA CES: 3.0 HSW PDHs
International Code Council: .3 CEUs (Sitework)

Agenda:

Materials used in construction of an MSE wall
Geosynthetics cost, strength and applications
Calculations for internal stability of an MSE wall
Example problem to calculate all internal stability factors of safety
Case histories demonstrating MSE wall failures and what NOT to do

Presented by

Bill Simpson, P.E. *Geotechnical Structure Design Specialist at Engineered Earth Solutions, LLC*

21 USDDGOWD 4 16 WEBR LH

4. Non-Stick Future: Deep Dive into PFAS Remediation and Regulation

Tuesday, April 20, 2021 | 11:00 am - 1:00 pm CDT

Tuition: \$100

Credits: Professional Engineers: 2.0 PDHs

Agenda:

How'd we get here? Brief history of PFAS manufacture and use
What is PFAS, PFOS, PFOSA? Introduction to PFAS chemistry/fate and transport
Health effects of PFAS Current regulatory status
Current state legislation/sampling efforts EPA's PFAS plans
Effects of current legislation on PFAS to the regulated community
PFAS and due diligence PFAS cleanups and remediation
Uncertainty caused by uncertainty

Presented by

Andrew Adams

Vice President and Principal Scientist at W&M, a Division of Braun Intertec Corporation

Mark Keefer, PG *Senior Scientist at Braun Intertec Corporation*

21 USDDPFAS 4 20 WEBR TC

5. Deep Dive into Construction Contract Fundamentals and Dangerous Provisions

Thursday, April 22, 2021 | 10:00 am - 12:00 pm CDT

Tuition: \$100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 CE Hours (non-HSW)
AIA: 2.0 LU|(No HSW)

Agenda:

What needs to be in a construction contract for it to be effective?
• Does it need to be in writing? • The parties and all info
• Where notices should be sent • Where the work will be performed
• What exactly the work is – scope • Realistic schedule
• How do we make changes to the work – change orders
• Payment schedule – what are the different options
• Retainage – why it needs to be withheld
• When things happen the parties can't control – force majeure
• Insurance and indemnity • Default and termination
• Dispute resolution • Quality of work and warranty
• Attorney fees

Dangerous provisions

- Bid vs. scope
- The prime contract
- Contractor bonds
- Delay damages
- Pay when paid clauses
- Personal guarantee
- Prior work

Presented by

Karalynn Cromeens *Owner and Managing Partner at The Cromeens Law Firm, PLLC*

21 USDDCFDP 4 22 WEBR WL

6. Deep Dive into Water Infiltration in Soil

Friday, April 23, 2021 | 11:00 am - 1:00 pm CDT

Tuition: \$100

Credits: Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours
AIA: 2.0 LU|HSW Landscape Architects: 2.0 HSW CE Hours LA CES: 2.0 LU|HSW
International Code Council: .2 CEUs (Sitework)

Agenda:

What is soil infiltration?
What soil characteristics/properties impact infiltration?
What happens when water does not infiltrate soil?
Determining infiltration rates
Improving soil infiltration

Presented by

Brad Flack, CPESC, CESSWI, QSM, QCIS, QPSWPPP *President & CEO of Integrity Stormwater*
21 USDDIWIS 4 23 WEBR JB

7. Deep Dive into Landscaping for Climate Change

Monday, April 26, 2021 | 9:00 am - 12:15 pm CDT (incl. 15-min. break)

Tuition: \$150

Credits: Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours
AIA: 3.0 LU|HSW Landscape Architects: 3.0 HSW CE Hours (Except FL, NJ, NC)
LA CES: 3.0 HSW PDHs International Code Council: .3 CEUs (Sitework)
ISA: 3.0 Certified Arborist, Municipal Specialist; 2.0 Climber Specialist,
Utility Specialist, Aerial Lift; 1.0 BCMA Science, MCMA Management

Agenda:

Outline environmental changes that are altering our landscapes
Assess existing landscapes and modify
Designing new adaptive and resilient landscapes
Adapting and triaging mature landscapes in decline
Review of plant selection for changing environmental conditions
Review examples of municipal compliance changes
How the design profession is innovating

Presented by Charles King Sadler *Founder and Owner at King Garden Inc.*

21 USDDLSCC 4 26 WEBR BA

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www.halfmoonseminars.org

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