

# 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 NJ or land surveyor courses in NJ or DE, unless expressly stated.

### HalfMoon Education Certifying Entities

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

International Code Council (No. 1232)

Landscape Architecture Continuing Education System

American Institute of Certified Planners (AICP)

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

### Course-by-Course Providers:

Association of State Floodplain Managers

International Society of Arboriculture

Society of American Foresters

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)). Only AIA HSW-approved courses qualify for New York engineer and architect credit.

Completion certificates will be awarded to participants who complete these events, 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.***

## Can't Attend? Order Most of These Webinars as Self-Study Packages!

Recordings of mosts webinars are available for purchase. Visit us online 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.

# October Short Webinar Catalog

Nine Live, Interactive Online Webinars

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



# October Short Webinar Catalog

## Nine Live, Interactive Online Webinars

To register, visit us online at  
**www.halfmoonseminars.org**

## Have questions or wish to register by phone?

Give us a call at 715-835-5900 and press 1 for Customer Service.

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# HalfMoon Education Live Webinars

# October Short Webinar Catalog

Nine webinars that each take a look at a single subject



1. Designing High Performing Traffic Bearing Surfaces
2. Proctor Compaction Tests in Construction
3. Airflow in Forced Air Systems
4. Multi-Family Residential Key Accessibility Components: Fair Housing and IBC/ICC A117.1 2009
5. How to Design and Construct a Diaphragm Wall
6. Sustainable Asphalt Pavement
7. Residential Wall Bracing
8. How to Design and Construct a Cantilever Retaining Wall
9. Understanding NSPE Engineering Code of Ethics

To register, visit us online at  
**www.halfmoonseminars.org**

or call our Customer Service Department at (715) 835-5900



## 1. Designing High Performing Traffic Bearing Surfaces

Wednesday, October 4, 2023 | 9:00 am - 12:15 pm CDT

**Credits:** Professional Engineers: 3.0 PDHs      Landscape Architects: 3.0 HSW CE Hours  
LA CES: 3.0 HSW PDHs\*

**Agenda Highlights:**  
Geosynthetics and Roadway Applications  
The Products and How They Perform  
Testing and Performance Data  
Drainage and Traffic Bearing Surface Performance  
Roadways and Drainage Channels  
Roadways and Slope Protection  
Case Studies

**Presented by Peter M. Hanrahan, CPESC**  
*Certified Professional in Erosion and Sediment Control at Hanrahan Environmental, LLC*

23 USDHPTBS 10 4 WEBR LH

**Tuition:** \$159

## 2. Proctor Compaction Tests in Construction

Wednesday, October 4, 2023 | 10:00 am - 12:00 pm CDT

**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 HSW PDHs\*  
International Code Council: .2 CEUs (Sitework)\*\*

**Agenda Highlights:**  
Purposes and benefits of soil compaction in construction  
What a Proctor compaction test is and when it is used  
The standard Proctor and the modified Proctor  
Proctor compaction test procedure  
Understanding compaction results  
Reading compaction curves  
Tips and troubleshooting

**Presented by David Harmanos** *Engineer at Hillis-Carnes Engineering Associates, Inc.*

23 USPTCON 10 4 WEBR WL

**Tuition:** \$109

## 3. Airflow in Forced Air Systems

Thursday, October 5, 2023 | 10:00 am - 12:15 pm CDT

**Credits:** Professional Engineers: 2.0 PDHs      Architects: 2.0 HSW CE Hours  
AIA: Pending\*      International Code Council: .2 CEUs (Building)\*\*

**Agenda Highlights:**  
Why is airflow important?  
Airflow terms and principles

- Velocity, volume, and mass flow
- Sensible and latent heat transfer
- Static pressure

• Thermal comfort  
Duct system components

- Fans and air handlers
- Filters

• Ductwork  
• Grilles, registers, diffusers  
Measuring and adjusting airflow  
Static pressure budgets  
Troubleshooting airflow problems

**Presented by Jon Harrod, Ph.D.**  
*Contractor, Author, Electrification Advocate, and Founder of Snug Planet*

23 USAFAIRS 10 5 WEBR LH

**Tuition:** \$109

## 4. Multi-Family Residential Key Accessibility Components: Fair Housing and IBC/ICC A117.1 2009

Wednesday, October 11, 2023 | 9:00 - 11:00 am CDT

**Credits:** Professional Engineers: 2.0 PDHs      Architects: 2.0 HSW CE Hours  
AIA: 2.0 LU|HSW\*      International Code Council: .2 CEUs (Accessibility)\*\*

**Agenda Highlights:**  
Explore and understand applicable building code requirements for multi-family residential new construction projects including applicable referenced standards  
Obtain insight on differences if a project is government and/or privately funded  
Identify accessible route and common area basics from site to entrance, parking, amenity for residents, and the leased areas such as retail, offices, and other facilities  
Gain awareness of the variations between Type A and Type B Dwelling Units including critical requirements for bathrooms and kitchens  
Recall best practices to follow during construction to avoid issues during final walk through

**Presented by Leah Riley** *Managing Senior Code Consultant, Burnham Nationwide, Chicago*

23 USMFRKAC 10 11 WEBR LH

**Tuition:** \$109

## 5. How to Design and Construct a Diaphragm Wall

Friday, October 13, 2023 | 9:00 am - 12:00 pm CDT

**Credits:** Professional Engineers: 3.0 PDHs      Architects: 3.0 HSW CE Hours  
AIA: Pending\*      International Code Council: .3 CEUs (Building)\*\*

**Agenda Highlights:**  
Functions of diaphragm walls      Applications for diaphragm walls  
Benefits and drawbacks      Diaphragm wall design  
Construction of guide wall      Excavation  
Connections      Concreting  
Case studies

**Presented by Gail Lollis, P.E.** *Project Engineer at Geocomp, Inc. in Acton, MA*

23 USH2DCDW 10 13 WEBR CP

**Tuition:** \$159

## 6. Sustainable Asphalt Pavement

Tuesday, October 17, 2023 | 1:00 - 3:00 pm CDT

**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 HSW PDHs\*  
International Code Council: .2 CEUs (Sustainability)\*\*

**Agenda Highlights:**  
Life-cycle cost analysis (LCCA)      Carbon Footprint  
Energy consumption  
Sustainable materials

- Recycled asphalt (RAP and RAS)
- Rubber asphalt
- Warm-mix asphalt
- Alternative binders

Local environment preservation enhancement

**Presented by Sharareh Shirzad, Ph.D.** *Assistant Professor at Appalachian State University*

23 USSASPHP 10 17 WEBR NP

**Tuition:** \$109

Learn More and Register:

**www.halfmoonseminars.org**

Customer Service (715) 835-5900 Ext. 1

or scan here



## 7. Residential Wall Bracing

Thursday, October 19, 2023 | 2:00 - 5:15 pm CDT

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

**Agenda Highlights:**  
What is wall bracing?  
Purpose of wall bracing  
Complying with residential building codes and standards

- IRC
- APA wall bracing methods

Lateral forces and load paths  
Wind and seismic bracing requirements  
Wall bracing case studies and workshop

**Presented by Marcus E. Woods** *Woods Residential Engineering & Inspection*

23 USRWALLB 10 19 WEBR SC

**Tuition:** \$159

## 8. How to Design and Construct a Cantilever Retaining Wall

Thursday, October 26, 2023 | 1:00 - 3:00 pm CDT

**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 HSW PDHs\*  
International Code Council: .2 CEUs (Sitework)\*\*      Floodplain Managers: 2.0 ASFPM CECs

**Agenda Highlights:**  
Cantilever walls, their applications and components  
Design processes of a cantilever retaining system  
Cast in place VS precast cantilever retaining walls  
Hydraulic pressure, effects on wall behavior and pressure relief systems  
External and internal stability of a cantilever system  
Field applications and examples  
Case studies

**Presented by Rajendra Meruva P.E.** *Delek Logistics*

23 USH2DCRW 10 26 WEBR PW

**Tuition:** \$109

## 9. Understanding NSPE Engineering Code of Ethics

Friday, October 27, 2023 | 11:00 am - 12:00 pm CDT

**Credits:** Professional Engineers: 1.0 PDH (Ethics) (does not qualify in NY)

**Agenda Highlights:**  
Introduction

- Ethics
- NSPE resources

• Engineer's Creed  
• Other resources  
Overview of the Code

- Fundamental canons
- Professional obligations

• Rules of practice  
Selected Specific Issues

- Contingent fees
- Political contributions and other political activity
- Recruiting engineer from another employer
- Professional reports, statements and testimony
- Indemnification clauses

• Influence of vendors

**Presented by James R. Mozingo** *Principle in the Mississippi law firm of Mozingo | Quarles, PLLC*

23 USNSPETH 10 27 WEBR AM

**Tuition:** \$75

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\*Live course approval. Pre-approval for on-demand format may be available upon request.  
\*\*Live course approval. Not approved for on-demand format.