

# 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 NJ or TN, 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 (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 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)

For more information visit the "Support" section at [www.gotowebinar.com](http://www.gotowebinar.com).

## January 2022 Short Webinar Catalog

Eight Live, Interactive Online Webinars

NON-PROFIT  
U.S. POSTAGE PAID  
EAU CLAIRE, WI  
PERMIT NO. 2016

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



## January 2022 Short Webinar Catalog

### Eight short webinars that each take a look at a single subject in January 2022

To register, view webinar agendas, credit information and to learn about our distinguished faculty, please visit us online at: [www.halfmoonseminars.org](http://www.halfmoonseminars.org)

### Special Offer:

Spend \$300 or more on the webinars listed in this brochure and receive 25% off tuition! Use coupon code **JANSHORT2022** at checkout or give us a call at 715-835-5900 and press 1 for Customer Service.



## HalfMoon Education Live Webinars

# January 2022 Short Webinar Catalog

Eight webinars that each take a look at a single subject



1. Focus on New Developments in Solar PV Technology
2. How to Read a Geotechnical Report
3. Handling Ethical Issues in Construction
4. Deep Dive: Unlocking the Mysteries of Native Plant Selection
5. How to Design Accessible Parking
6. How to Think Like a Bee: Creating Pollinator Habitat
7. A Drainage Technology Update
8. How to Calculate Soil Volumes for Cut and Fill

To register, visit us online at

[www.halfmoonseminars.org](http://www.halfmoonseminars.org)

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



## 1. Focus on New Developments in Solar PV Technology

Friday, January 14, 2022 | 1:00 - 3:00 pm CST

Tuition: \$100

**Credits:** Professional Engineers: 2.0 PDHs Architects: 2.0 HSW CE Hours  
AIA: 2.0 LU|HSW Certified Planners: CM|2.0  
International Code Council: .2 CEUs (Energy)

### Agenda Highlights:

Introduction PV industry trends and stats  
PV economics PV panel improvements  
Innovate mounting methods Inverter capabilities  
Energy storage improvements Apps for PV design and financial analysis  
Innovations with balance of system components  
Developments with monitoring and diagnostics

**Presented by Jeff Gilbert** *Owner, President of Azimuth Solar LLC*

22 USFODSPV 1 14 WEBR TB

## 2. How to Read a Geotechnical Report

Friday, January 14, 2022 | 11:00 am - 2:15 pm CST

Tuition: \$150

**Credits:** Professional Engineers: 3.0 PDHs Architects: 3.0 HSW CE Hours  
AIA: Pending Landscape Architects: 3.0 HSW CE Hours (not approved in FL)  
LA CES: 3.0 HSW PDHs International Code Council: .3 CEUs (Sitework)

### Agenda Highlights:

Background information: things to know prior to reading a report  
The subsurface investigation  
The subsurface conditions  
Geotechnical analysis  
Geotechnical recommendations  
Example reporting (many examples discussed throughout the session)

**Presented by Bill Simpson, PE**

*Geotechnical Structure Design Specialist at Gradelta Engineering*

22 USH2RGEO 1 14 WEBR FC

## 3. Handling Ethical Issues in Construction

Tuesday, January 18, 2022 | 3:00 - 5:00 pm CST

Tuition: \$100

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

### Agenda Highlights:

Avoiding ethical issues during the bidding process  
Gifts, favors and the appearance of impropriety  
Your duties to your employer, the project owner, and other project participants  
Adopting practices that minimize ethics issues  
The ethics of safety: fulfilling duties to employees and the public  
Incorporating environmental ethics and sustainability into construction and development projects

**Presented by Doug Holthus** *Partner, Mazanec, Raskin & Ryder Co., LPA*

22 USHETHIC 1 18 WEBR LC

### Special Offer:

Spend \$300 or more on the webinars listed in this brochure and receive 25% off tuition! Use coupon code **JANSHORT2022** at checkout or give us a call at 715-835-5900 and press 1 for Customer Service.

## 4. Deep Dive: Unlocking the Mysteries of Native Plant Selection

Wednesday, January 19, 2022 | 2:00 - 4:00 pm CST

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 (not approved in FL)  
LA CES: 2.0 HSW PDHs Certified Planners: CM|2.0

### Agenda Highlights:

Best practices for informed native plant selection  
Pros and cons of native species plants vs. native cultivars (“nativars”)  
The realities of native plant propagation - genetic diversity vs. genetic clones  
Proper use of dioecious native plants for ecological support  
Monoecious natives that need pollination partners  
Dwarf native cultivars – ecologically-useful or not?  
Local ecotype plants – rationale and sourcing  
The benefits and trade-offs of different plant formats (seeds, plugs, pots, B&B)

**Presented by Kim Eierman** *Founder of EcoBeneficial LLC*

22 USDDNTVP 1 19 WEBR LH

## 5. How to Design Accessible Parking

Wednesday, January 19, 2022 | 11:00 am - 1:00 pm CST

Tuition: \$100

**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:

Brief overview of ADA and ICC A117.1  
Accessible parking in garages and parking lots  
• Quantity and location • Stalls, access aisles, and signage  
• Accessible routes and egress  
Alterations to existing facilities  
PROWAG – accessibility for on-street parking

**Presented by Rob McConnell, PE, LEED, Green Associate** *Vice President Parking Solutions*

22 USH2DAPK 1 19 WEBR PC

## 6. How to Think Like a Bee: Creating Pollinator Habitat

Monday, January 24, 2022 | 3:00 - 4:30 pm CST

Tuition: \$75

**Credits:** Professional Engineers: 1.5 PDHs Architects: 1.5 CE Hours (non-HSW)  
AIA: 1.5 LU| Elective Landscape Architects: 1.5 HSW CE Hours (not approved in FL)  
LA CES: 1.5 HSW CE Hours Certified Planners: CM|1.5  
International Code Council: .15 CEUs (Sitework)

### Agenda Highlights:

Pollinator biology and identification  
What pollinators need from plants: nectar, pollen and more  
Natural networks: it’s more than just pollinators  
Keys to successful pollinator habitat  
Flower seasonality, diversity and abundance  
About native plants, including cultivars Some key plants for pollinators  
Attract pollinators no matter the garden style  
Pesticides, bee hotels and other challenges  
Maintaining habitat through the year and over time

**Presented by Denise Ellsworth** *Program Director, Pollinator Education with the Department of Entomology/Extension at The Ohio State University*

22 USH2TLBE 1 24 WEBR CP

## 7. A Drainage Technology Update

Tuesday, January 25, 2022 | 10:00 am - 12:00 pm CST

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 (not approved in FL)  
LA CES: 2.0 HSW PDHs Floodplain Managers: 2.0 ASFPM CECs

### Agenda Highlights:

Strengths and weaknesses of traditional drainage practices and how they have evolved to meet current requirements and regulations  
The Clean Water Act of 1972  
The importance of independent product testing and how specific product groups have emerged  
Case studies demonstrating a broad array of available solutions for owners, project managers and design professionals  
• Including: infiltration, treatment and nutrient removal, trash separation, passive irrigation, and more  
Other new industry product innovations

**Presented by Peter Hanrahan** *Hanrahan Environmental, LLC*

22 USDRANTU 1 25 WEBR AM

## 8. How to Calculate Soil Volumes for Cut and Fill

Wednesday, January 26, 2022 | 1:30 - 4:30 pm CST

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 Highlights:

Importance of accurate estimates of soil volumes for cutting and filling  
Principles of volumetric estimation for soils  
Move soil once Have your cut equal your fill  
Know your soils Handling disturbed soils  
Mapping a site for excavation and embankment  
Evaluating software for cut and fill calculations  
Bringing in fill and disposing of spoil

**Presented by**

**Daniel P. Messmer, P.E., D. GE** *Project Manager with The Gateway Engineers, Inc., in Pittsburgh*

22 USH2CSOL 1 26 WEBR SC

### Can't Attend? Order any of these Webinars as a Self-Study Package!

Recordings of each webinar 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. Self-study packages do not qualify for AIA or LA CES credit.

**To register and to see other learning opportunities, please visit:**

**www.halfmoonseminars.org**

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