

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

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

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 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.

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.

August Webinar Offerings

Ten Live, Interactive Online Webinars



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August Webinar Offerings

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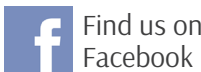
For Architects, Engineers, Landscape Architects and More!

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

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Have questions or wish to register by phone?

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HalfMoon Education Online Learning

August Webinar Offerings

Ten Live, Interactive Webinars in August

For Architects, Engineers, Landscape Architects and More!



1. Engineering Ethics: Handling Ethical Issues in Professional Engineering Practice
2. Maintaining Existing Buildings under the 2018 International Property Maintenance Code
3. Retaining Wall Design and Global Stability Analysis
4. Special Inspections under the International Building Code Chapter 17, IBC 2015
5. Introduction to HEC-HMS Modeling
6. Air-Source Heat Pumps for Energy Efficiency
7. Introduction to HEC-RAS Modeling
8. Practical Use of the FMEA as a Design Tool
9. Drones in Construction
10. Energy-Efficient, Sustainable Roofs



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AIA
Continuing
Education
Provider

1. Engineering Ethics: Handling Ethical Issues in Professional Engineering Practice

Monday, August 17, 2020, 11:00 am – 12:00 pm CDT Tuition: \$50

Credits: Professional Engineers: 1.0 PDH, including 1.0 Ethics PDH

Agenda Highlights:

Promoting health and welfare vs. managing risk: complementary or conflicting duties?

Protecting the environment: meeting or exceeding legal requirements

Watching the bottom line: identifying and balancing economic pressures in design and construction

Integrating new technologies: identifying and balancing the benefits and risks

Presented by Mark Becker Attorney & Shareholder at Fabyanske Westra Hart & Thomson

20 USENGETH 8 17 WEBR PC

2. Maintaining Existing Buildings under the 2018 International Property Maintenance Code

Monday, August 17, 2020, 10:00 am – 2:30 pm CDT (incl. 30-min. break) Tuition: \$299

Monday, August 24, 2020, 10:00 am – 2:30 pm CDT (incl. 30-min. break)

Credits: Professional Engineers: 8.0 PDHs Architects: 8.0 HSW CE Hours AIA: 8.0 LU|HSW

International Code Council: .8 CEUs (Building)

Agenda Highlights:

Fundamental provisions, exterior property, and building shell maintenance

- Importance of maintenance • Layout of the code • Means of compliance
- Dangerous buildings and conditions • Exterior and interior structure maintenance

Occupancy features, system maintenance, and fire safety

- Swimming pools, hot tubs, and barriers • Light and ventilation requirements • Storm drainage
- Heating and mechanical requirements • Fire ratings and protection systems • Means of egress

Presented by Jared Agee, MCP, CBO St. Charles County

20 USIPMCO1 8 17 WEBR BA - 20 USIPMCO2 8 24 WEBR BA

3. Retaining Wall Design and Global Stability Analysis

Wednesday August 19, 2020, 10:00 am – 2:15 pm CDT (incl. 15-min. break) Tuition: \$299

Thursday, August 20, 2020, 10:00 am – 2:15 pm CDT (incl. 15-min. break)

Credits: Professional Engineers: 8.0 PDHs Architects: 8.0 HSW CE Hours AIA: 8.0 LU|HSW

Landscape Architects: 8.0 HSW CE Hours LA CES: 8.0 HSW CE Hours

Floodplain Managers: 8.0 ASFPM CECs

Agenda Highlights:

Retaining walls: what they do and how they do it

Geosynthetics and retaining walls, embankments and slopes

Global/slope stability analysis Retaining wall failures and fixes

Presented by Bill Simpson PE, Engineered Earth Solutions, LLC

20 USRWDS1 8 19 WEBR LH - 20 USRWDS2 8 20 WEBR LH

4. Special Inspections under the International Building Code Chapter 17 (IBC 2015)

Wednesday August 19, 2020, 9:00 am – 1:30 pm CDT Tuition: \$299

Thursday, August 20, 2020, 9:00 am – 12:15 pm CDT

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 LU|HSW

International Code Council: .7 CEUs (Building)

Agenda Highlights:

Overview of special inspections Soil and foundation inspections

Concrete special inspections – ACI 318-14

Special inspections for sprayed fire-resistant materials (SFRM)

Masonry special inspections - ACI 530, ACI 530.1, TMS 402, TMS 602

Structural steel construction – special inspections

Glance ahead - next IBC Code cycle (other things that you may not know)

Presented by Alan Tuck Executive Director, Code Compliance and Training, Froehling & Robertson, Inc (F&R)

20 USSIUIB1 8 19 WEBR LH - 20 USSIUIB2 8 20 WEBR LH

5. Introduction to HEC-HMS Modeling

Thursday, August 20, 2020, 8:30 am – 5:00 pm CDT (incl. 60-min. break) Tuition: \$299

Credits: Professional Engineers: 7.0 PDHs Floodplain Managers: 7.0 ASFPM CECs

Landscape Architects: 7.0 HSW CE Hours LA CES: 7.0 HSW PDHs

Agenda Highlights:

Applications for hydrologic analysis Hydrologic principles

History and development of US Army Corps HEC-HMS software

HEC-HMS application user interface Building a small-scale watershed model

Model output and troubleshooting Building a large-scale watershed model

Other applications in HEC-HMS

Presented by Mary L. Paist-Goldman, P.E. Principal and Owner of Rippled Waters Engineering, LLC

20 USHECHMS 8 20 WEBR CP

6. Air-Source Heat Pumps for Energy Efficiency

Thursday, August 20, 2020, 11:00 am – 2:15 pm CDT (incl. 15-min. break) Tuition: \$299

Friday, August 21, 2020, 11:00 am – 3:15 pm CDT (incl. 15-min. break)

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 LU|HSW

International Code Council: .7 CEUs (Energy)

Agenda Highlights:

Air-source heat pump science and technology

Air-source heat pump efficiency, economics and operations

System sizing and components Mini-split systems

Integrating heat pumps with other energy-efficiency measures

Heat pump case studies

Presented by Don Steeby Professor at Grand Rapids Community College

20 USASHPE1 8 20 WEBR PC - 20 USASHPE2 8 21 WEBR PC

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.

7. Introduction to HEC-RAS Modeling

Monday, August 24, 2020, 11:00 am – 3:00 pm CDT (incl. 30-min. break) Tuition: \$299

Tuesday, August 25, 2020, 11:00 am – 3:30 pm CDT (incl. 30-min. break)

Credits: Professional Engineers: 7.5 PDHs Floodplain Managers: 7.5 ASFPM CECs

Agenda Highlights:

Introductions and exploring open channel hydraulics

Steady one-dimensional open channel hydraulics background and theory

HEC-RAS and water surface profiling History and development of HEC-RAS

Demonstrations Including:

- Building a HEC-RAS model without GIS GIS Basics
- Typical HEC-RAS river reach and mixed flow Bridge, culvert, and encroachment models

Presented by Greg Nail Associate Professor, University of Tennessee at Martin

20 USHECRA1 8 24 WEBR PC - 20 USHECRA2 8 25 WEBR PC

8. Practical Use of the FMEA as a Design Tool

Tuesday, August 25, 2020, 11:00 am – 3:15 pm CDT (incl. 15-min. break) Tuition: \$299

Wednesday, August 26, 2020, 11:00 am – 3:15 pm CDT (incl. 15-min. break)

Credits: Professional Engineers: 8.0

Agenda Highlights:

What is a FMEA? Practical use of the FMEA

FMEA – process Functional Block (Block) diagrams

Parameter (P) diagrams FMEA - form and content FMEA to test plan transition

Presented by Robert C. Hoffman Creative Product Solutions, LLC, Coloma, MI

20 USUFMEA1 8 25 WEBR PC - 20 USUFMEA2 8 26 WEBR PC

9. Drones in Construction

Thursday, August 27, 2020 , 10:00 am – 4:50 pm CDT (incl. 30-min. break) Tuition: \$299

Credits: Professional Engineers: 6.0 PDHs Architects: 6.0 CE Hours AIA: 6.0 LU|Elective

Agenda Highlights:

Overview of unmanned aircraft systems (UAS) in construction

UAS regulation, risk and liability Construction site mapping with UAS

Using UAS to monitor progress, and maintain safety and quality

Post-construction: using UAS to conduct periodic structural inspections

Presented by Michael Raymond Chief Pilot and V.P. of Customer Success, Skycam

20 USDRONIC 8 27 WEBR LH

10. Energy-Efficient, Sustainable Roofs

Thursday, August 27, 2020, 11:00 am – 2:30 pm CDT (incl. 30-min. break) Tuition: \$299

Friday, August 28, 2020, 11:00 am – 2:30 pm CDT (incl. 30-min. break)

Credits: Professional Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours AIA: 6.0 LU|HSW

International Code Council: .6 CEUs (Sustainability)

Agenda Highlights:

Defining sustainable roofs Extensive and intensive green roofs

Water management with blue roofs Designing and constructing cool roofs

Exploring sustainable materials and construction techniques for conventional roofs

Presented by Nathan D. Griswold, GRP, ASLA, CNSP President of Inhabitect, LLC

20 USEESRP1 8 27 WEBR JB - 20 USEESRP2 8 28 WEBR JB

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