

Agenda

Presented by

Gene L. Rovak, PE, CFM, F.ASCE and Steve Randolph, PE, CFM, CPESC, LEED GA

Agenda Day One - Tuesday, April 5, 2022

Understanding Floods, Floodplains and Floodplain Management

- Flood facts and figures
- Causes and types of floods
- Types of floodplains
- Understanding floodways
- History and development of flood maps, flood insurance and flood plain management
- Role of the National Flood Insurance Program (NFIP)
- Role of state agencies and local municipalities

Federal, State and Local Floodplain Regulation

- Reviewing NFIP regulations
- Understanding permit requirements
- Analyzing encroachments
- Complying with state regulations

Examining Flood Insurance and Flood-Related Claims

- National Flood Insurance Program (NFIP)
 - NFIP public/private partnership
- Determining when insurance is required and when it is recommended
- Flood insurance coverage and exclusions
 - Residential and commercial coverage
- Understanding the claims process

Agenda Day Two - Wednesday, April 6, 2022

Obtaining and Interpreting Flood Maps

- Development of flood maps
 - Understanding FEMA flood zone designations
 - Examining Flood Insurance Rate Maps (FIRMs)
 - Digital flood map implementation policy
 - Flood map modernization and previous stumbles
 - Multi-year flood hazard identification plan
- Reading and interpreting flood maps
- Examining the impact of flood designating and mapping
- Reviewing FEMA flood hazard determinations
- Requesting flood hazard determination review
- Understanding Letters of Map Change (LOMC)

LOMR Model Requirements

- Differences between Letters of Map Amendments (LOMAs) and Letters of Map Revisions (LOMRs)
- Types of LOMRs
- Navigating the submission and review processes - engineering and administrative procedures.

Modeling Floodplains

- Selecting and using FEMA-accepted models
- Hydrologic methods — which to use for your location
- Floodplain modeling with HEC-RAS
- Modeling bridges and culverts
- Floodways — encroachment analyses
- Common modeling issues
- Processes and cautions
- Using data obtained from the model

Floodplain Modeling, Mapping and Regulation

Live, Interactive Webinar - Tues, April 5 and Wed, April 6, 2022

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

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



Learning Objectives

You'll be able to:

Understand floodplains and floodways, and discuss the developments of flood plain regulations.

Explore the National Flood Insurance Program (NFIP), including coverage and claims.

Examine flood maps, including FEMA flood hazard determinations, and learn how to request a flood hazard determination review.

Identify differences between Letters of Map Amendments and Letters of Map Revisions.

Discuss floodplain modeling and using data obtained from models.

Added Value: Enhance your learning a recording of this webinar will be available for attendees to stream online for two weeks after the program date. (live webinar attendance required to receive credit)

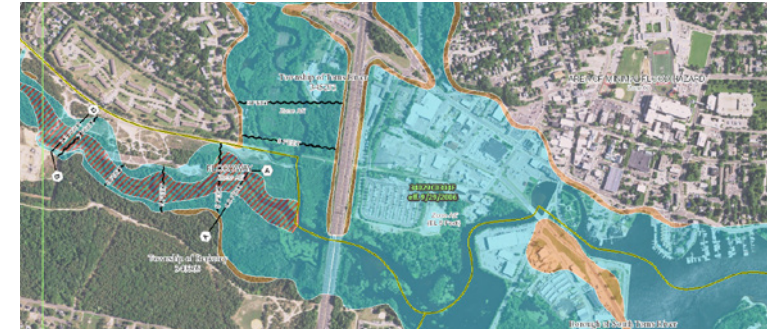


HalfMoon Education Live Webinars

Floodplain Modeling, Mapping and Regulation

Live, Interactive Webinar Series

Tuesday, April 5 and Wednesday, April 6, 2022



Understand floods, floodplains, and floodplain management

Discuss federal, state, and local floodplain regulation

Examine flood insurance and flood-related claims

Review obtaining and interpreting flood maps

Explain LOMR model requirements

Explore modeling floodplains

Continuing Education Credits

Professional Engineers

7.0 PDHs

Professional Land Surveyors

7.0 PDHs (No credit offered in NJ, TN & MO pending)

Architects

7.0 HSW CE Hours
7.0 AIA LU | HSW

Landscape Architects

7.0 HSW CE Hours
7.0 LA CES HSW PDHs

Floodplain Managers

7.0 ASFPM CECs

Certified Planners

CM | 7



AIA
Continuing
Education
Provider



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG

Faculty

Gene L. Rovak, PE, CFM, F.ASCE *Senior Project Manager at Horner & Shifrin, Inc.*
Mr. Rovak is a professional engineer and certified floodplain manager with over 40 years of experience in all aspects of floodplain management. His work requires understanding of FEMA regulations and interpretation of FEMA Flood Maps (FIRMs) and Flood Insurance Studies (FIS). Mr. Rovak has extensive experience in Letters of Map Changes (LOMCs), particularly Letters of Map Revisions (LOMRs), which have ranged from single reaches along a channel to large areas affecting many map panels. Related studies have ensured that infrastructure improvements such as bridges or docking facilities would not cause increase in flood heights (“no-rise” studies).

Mr. Rovak’s experience has covered riverine flooding (river and creek channels) as well as level- pool environments (lakes and landlocked floodwater storage). He has performed hydraulic and hydrologic analysis of these systems working with a variety of computer models in the public domain such as Corps of Engineers and EPA, as well as proprietary programs such as ICPR and XP-SWMM. Mr. Rovak’s experience includes steady, unsteady, and network flow simulations.

Steve Randolph, PE, CFM, CPESC, LEED GA *Assoc. VP, Regional Manager – Water at Horner & Shifrin, Inc.*
Mr. Randolph started at Horner & Shifrin, Inc. in 1995 after graduating from Washington University in St. Louis with a degree in Civil Engineering and a minor in Environmental Engineering Science. In 2001, he received his MBA degree from Webster University. Mr. Randolph is also an active member of EWRI’s Chicago Chapter, a Certified Professional in Erosion and Sediment Control (CPESC) and a member of the Illinois Association for Floodplain and Stormwater Management. Mr. Randolph is the proud father of two grown children and he and his wife live in Naperville, Illinois. His interests and hobbies include travel, reading, and collecting baseball cards.

Webinar Information

Day One: Tuesday, April 5, 2022
10:00 am - 2:00 pm CDT (including a 30-min. break)

Day Two: Wednesday, April 6, 2022
10:00 am - 2:00 pm CDT (including a 30-min. break)
(please log into the webinar 15 - 30 minutes before start time)

Tuition
\$319 for individual registration
\$289 for two or more registrants from the same company at the same time.
Included with your registration: *PDF seminar manual.*

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

Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar. For more information, please visit our FAQ section of our website, or visit www.gotowebinar.com.

Cancellations: Cancel at least 48 hours before the start of the webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another webinar or the self-study package. You may also authorize another person to take your place.

Can’t Attend? Order the Webinar as a Self-Study Package!
Recordings of this webinar are available for purchase. See registration panel 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.

Additional Learning

Introduction to HEC-RAS Modeling
- Friday, Feb 25, 2022 | 8:30 am - 5:00 pm CST

Geothermal Heating and Cooling: Technology, Applications, and Economics
- Wednesday, March 9, 2022 | 8:30 am - 4:00 pm CST

Drone Applications for Engineers
- Monday, March 21, 2022 | 9:00 am - 4:30 pm CDT

A Roadmap to Ethical Issues in Construction: A Primer for Design Professionals
- Wednesday, March 23, 2022 | 11:00 am - 1:00 pm CDT

Focus on Water Infiltration in Soil
- Thursday, March 24, 2022 | 11:00 am - 1:00 pm CDT

Stormwater Best Management Practices
- Friday, March 25, 2022 | 8:30 am - 5:00 pm CDT

For more information and other online learning opportunities visit:
www.halfmoonseminars.org

Continuing Education Credit Information
This webinar is open to the public and offers 7.0 PDHs to professional engineers in all states, and 7.0 PDHs to land surveyors in most states; no land surveyor credit is offered in New Jersey, and credit in Missouri and Tennessee is pending.
This course offers 7.0 HSW continuing education hours to architects in all states, and 7.0 HSW continuing education hours to landscape architects in all states except New Jersey.
HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700) and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers, land surveyors, architects and landscape architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §68.15(i)(2), §69.6(i)(2) and §79-1.5(i) (2)). HalfMoon Education is not seeking approval for landscape architects in New Jersey. Other states do not preapprove continuing education providers or courses.

The Florida Department of Agriculture and Consumer Services has assigned this course number 10238 for Florida surveyors.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full participation is reportable to the LA CES.

This webinar has been approved by the Association of State Floodplain Managers for 7.0 CECs for floodplain managers.

HalfMoon Education is an approved CM Provider with the American Planning Association. This course is registered for CM | 7.0 for Certified Planners.

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

Registration

Floodplain Modeling, Mapping and Regulation
Live, Interactive Webinar - Tuesday, April 5 and Wednesday, April 6, 2022

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: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Complete the entire form. Attach duplicates if necessary.
Code:	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	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 webinar. Single Registrant - \$319.00 . Two or more registrants from the same company registering at the same time - \$289.00 each. () I am not attending. Please send me the webinar recording: <input type="checkbox"/> Streamable MP4 Video/PDF Manual for \$329.00 . <input type="checkbox"/> USB Video/PDF Manual for \$329.00 .	
Checks: Make payable to HalfMoon Education Inc. Credit Card: <i>Mastercard, Visa, American Express, or Discover</i> Credit Card Number: _____ Expiration Date: _____ CV2 Code: _____ Cardholder Name: _____ Billing Address: _____ City: _____ State: _____ Zip: _____ Signature: _____ Email: _____	