

Credit Information

Fire-Resistant Landscapes and Construction

This webinar offers 6.0 PDHs to professional engineers in all states, 6.0 HSW continuing education hours to architects in all states, and 6.0 HSW CE 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, 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)). LA CES approval qualifies this course for landscape architects licensed in Florida and North Carolina. HalfMoon Education is not seeking approval for landscape architects in New Jersey. Other states do not preapprove continuing education providers or courses.

The American Institute of Architects Continuing Education System has approved this course for 6.0 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 6.0 HSW PDHs. Only full participation is reportable to LA CES.

The International Code Council has approved this event for .75 CEUs in the specialty area of Fire (Preferred Provider No. 1232).

HalfMoon Education is an approved CM Provider with the American Planning Association. This course is registered for CM | 6.0 for Certified Planners.

Slope Stabilization and Landslide Prevention

This webinar offers 7.5 PDHs to professional engineers in all states, 7.5 HSW continuing education hours to architects in all states, and 7.5 HSW CE hours to landscape architects in all states except New Jersey.

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The American Institute of Architects Continuing Education System has approved this course for 7.5 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 7.5 HSW PDHs. Only full participation is reportable to LA CES.

The International Code Council has approved this event for .75 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This webinar has been approved by the Association of State Floodplain Managers for 7.5 CECs for floodplain managers.

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

Live, Interactive Webinars

- Fire-Resistant Landscapes and Construction
- Slope Stabilization and Landslide Prevention

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PO Box 278
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Live, Interactive Webinars

Fire-Resistant Landscapes and Construction

- Friday, February 18, 2022 | 10:00 am - 5:00 pm CST

Slope Stabilization and Landslide Prevention

- Wednesday, February 23, 2022 | 8:30 am - 5:00 pm CST

**To register, view detailed presenter biographies,
and see other learning opportunities, please visit:**

www.halfmoonseminars.org

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



HalfMoon Education Live Webinars



Fire-Resistant Landscapes and Construction

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Credits: Professional Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours
AIA: 6.0 LU|HSW Landscape Architects: 6.0 HSW CE Hours
LA CES: 6.0 HSW PDHs Certified Planners: CM | 6.0
International Code Council: .6 CEUs (Fire)



Slope Stabilization and Landslide Prevention

Wednesday, February 23, 2022 | 8:30 am - 5:00 pm CST

Credits: Professional Engineers: 7.5 PDHs Architects: 7.5 HSW CE Hours
AIA: 7.5 LU|HSW Landscape Architects: 7.5 HSW CE Hours
LA CES: 7.5 HSW PDHs Floodplain Managers: 7.5 ASFPM CECs
International Code Council: .75 CEUs (Sitework)



Fire-Resistant Landscapes and Construction

Friday, February 18, 2022 | 10:00 am - 5:00 pm CST (incl. a 30-min break)

Tuition: \$289 per registrant, \$239 per registrant for three or more

Credits: Professional Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours
AIA: 6.0 LU|HSW Landscape Architects: 6.0 HSW CE Hours
LA CES: 6.0 HSW PDHs Certified Planners: CM | 6.0
International Code Council: .6 CEUs (Fire)

Agenda

Defining the Problem

- Historical and ecological context
- Causes and consequences of wildfire
- Suppression and other answers
- General media and sociological perceptions
- Effect of fire on the built environment

Fire Science

- Types of fire of concern
- Heat transfer and structural ignition
- Research findings

Planning Tools

- Land use planning
- State and local fire planning
- Overview of codes and standards

Principles for Fire-Resistant Landscaping

- Defensible space vs. survivable space
- Using the zone concept for landscape plans
- Using rock, stone, and other fire-resistant materials
- Plant characteristics
- Organizing plantings
- Trees and shrubs
- Grasses and groundcovers
- Maintaining landscaping

Fire-Resistant Components

- Fire-resistant building materials and construction
- Roofs, walls, doors, windows, etc.
- Retaining walls
- Decks and patios
- Paths and walkways

New Construction vs. Existing Construction

- Starting developments right from the beginning
- Designing a new fire-resistant structure
- Retrofitting existing structures
- Follow-up maintenance

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This program will only be presented as a live webinar.
Self-Study Packages will not be sold.

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Agenda

Slope Movement and Mechanisms

- Types of slope movement and instability
 - Rock fall and rockslides
 - Translational and rotational failures
 - Debris flows and rapidly moving landslides

Analyzing the stability of slopes

Slope stability concepts

- Reviewing geologic conditions
- Examining soils and topography
- Evaluating surface and groundwater conditions

A brief discussion of soil and rock mechanics

- The influence of water

Evaluating types of slopes

- Natural slopes
- Engineered slopes

Methods of slope stability analysis

Slope Stabilization Methods

- Use of vegetation (bioengineering)
- Surface protection
- Unloading
- Buttressing
- Buttressing for streambank stabilization and environmental considerations
- Drainage
- Reinforcement
- Installing earth retention structures
- Rock slope stabilization
- Combining methods

Landslide Hazard and Risk Assessment

- Definitions and elements of landslide hazard risk
- Risk-reduction strategies (objectives for landslide mitigation)
- Lifestyle cost analysis
- Applications

Case Histories in Landslide Mitigation

- Slope stabilization using retaining walls
- Slope stabilization using combinations of methods
- Rockfall mitigation
- Slope stabilization using earthworks
 - Shear keys and buttresses
 - Unloading
- Slope stabilization using drainage

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Can't Attend? Order the Slope Stabilization and Landslide Prevention webinar as a Self-Study Package!

Recordings of the Slope Stabilization and Landslide Prevention webinar are available for purchase. Visit the course listings on our website for more information. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Faculty

Fire-Resistant Landscapes and Construction

Jerry McAdams is a senior captain and NFPA-Certified Wildfire Mitigation Specialist (CWMS) with the Boise Fire Department in Boise, Idaho. He has over 20 years of experience working in the fire service, in both operations, prevention, and wildfire. Mr. McAdams has served as a member of the Board of Directors for the International Association of Wildland Fire (IAWF) and on the Editorial Board for *Wildfire Magazine*, is an experienced fire investigator who holds International Code Council (ICC) certifications as a Fire Inspector I, II and Fire Plans Examiner. He has been a guest speaker/panelist for several webinars, as well as presenting at numerous national and international conferences. Mr. McAdams started MC Fire, LLC, in 2017 to provide professional consulting services - primarily writing WUI Code and Wildfire Safety Plans for AHJ's, developers and campuses, as well as providing training and instruction for wildfire mitigation, fire investigation and code compliance. He instructs courses about structural ignition vulnerabilities and creating fire adapted communities. Mr. McAdams graduated with a bachelor's degree in Psychology from Boise State University.

Brett Van Paepeghem Southern Idaho Project Manager – Idaho Firewise

Brett Van Paepeghem is a 4th-generation Idaho native. He holds an AAS degree in Horticulture and BAS degree in Biology with specialization in Botany and Ecology from Boise State University. Mr. Van Paepeghem has worked for the US Forest Service and the Bureau of Land Management. In June of 2014 he joined Idaho Firewise as the Southern Idaho Project Manager where he manages the Idaho Firewise Garden and has collaborated with various agencies on the development of several Firewise Demo Landscapes throughout Idaho.

Slope Stabilization and Landslide Prevention

Curran E Mohney Engineering Geologist

Mr. Mohney is the Engineering Geology Program leader for the Oregon Department of Transportation (ODOT). The Engineering Geology Program at ODOT encompasses site characterization, subsurface exploration, slopes and embankments, geologic hazards, groundwater, geotechnical instrumentation, and planning and research activities. In this role, he also oversees the Unstable Slopes (landslide/rockfall) Program for ODOT. He is a registered geologist and a certified engineering geologist in Oregon with over 25 years of experience in Oregon and the western states. Mr. Mohney has been the Engineering Geology Program leader since 2004. Prior to this, he had been a staff and project-level geologist for consulting firms and the mining industry as well as for ODOT. He is a graduate of the Geology Program at Portland State University. During his professional career, Mr. Mohney has been involved in the investigation, design, and mitigation of hundreds of landslides and rockfalls.

Additional Learning

Deep Dive: Unlocking the Mysteries of Native Plant Selection

- Wed, Jan 19, 2022 | 2:00 - 4:00 pm CST

Construction Cost Estimating

- Thurs, Jan 20, 2022 | 8:30 am 4:30 pm CST

How to Think Like a Bee: Creating Pollinator Habitat

- Mon, Jan 24, 2022 | 3:00 - 4:30 pm CST

Erosion and Sediment Control

- Tues, Jan 25, 2022 | 8:30 am - 5:00 pm CST

A Drainage Technology Update

- Tues, Jan 25, 2022 | 10:00 am - 12:00 pm CST

How to Calculate Soil Volumes for Cut and Fill

- Wed, Jan 26, 2022 | 1:30 - 4:30 pm CST

Using the U.S. Public Land Survey System

- Wed, Jan 26, 2022 | 9:00 am - 1:30 pm CST

Stormwater Best Management Practices

- Thurs, Jan 27, 2022 | 8:30 am - 5:00 pm CST

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