

Credit Information

Designing for Fire Protection

This webinar offers 6.0 PDHs to professional engineers and 6.0 HSW continuing education hours to architects licensed in all states.

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 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). 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 International Code Council has approved this event for .6 CEUs in the specialty area of Fire (Preferred Provider No. 1232).

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).

Low Impact Development

This webinar is open to the public and 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 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, 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)). 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 the LA CES.

The International Code Council has approved this event for .6 CEUs in the specialty area of Sitework (Preferred Provider No. 1232).

This webinar has been approved by the Association of State Floodplain Managers for 6.0 CECs for floodplain managers.

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).

Live, Interactive Webinars

- Designing for Fire Protection
- Low Impact Development

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Live, Interactive Webinars

Designing for Fire Protection

- Tuesday, April 19, 2022 | 9:00 am - 4:00 pm CDT

Low Impact Development

- Wednesday, April 20, 2022 | 10:00 am - 2:00 pm CDT

- Thursday, April 21, 2022 | 10:00 am - 12:45 pm CDT

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AIA: 6.0 LU|HSW Landscape Architects: 6.0 HSW CE Hours
LA CES: 6.0 HSW PDHs Floodplain Managers: 6.0 ASFPD CECs
International Code Council: .6 CEUs (Sitework)

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Tuesday, April 19, 2022 | 9:00 am - 4:00 pm CDT (incl. a 30-min break)

Tuition: \$319 per registrant, \$289 per registrant for two or more

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AIA: 6.0 LU|HSW International Code Council: .6 CEUs (Fire)

Agenda

Complying with Building Codes and Fire Protection Requirements

Background and development of building codes:

- International Building Code (IBC)
- International Residential Code (IRC)
- International Existing Building Code (IEBC)
- Development of NFPA and life safety codes

Designing Fire Detection Systems and Notification Systems

Fire detection systems Fire alarm and notification systems

Designing Fire Suppression Systems

Wet fire sprinkler systems Dry pipe systems

Fire Suppression Systems for Special Applications

Special hazard fire protection systems
Dry chemical fire suppression systems
Gaseous fire suppression systems
Foam fire suppression systems

Egress, Emergency Power, Lighting and Signage

Occupancy and egress requirements
Exit paths accessible exits and exit discharge
Emergency power and lighting
Emergency signage

Special Fire Protection Requirements

Smoke control systems Special hazard systems
Fire resistance Fire proofing and fire stopping

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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)

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AIA: 6.0 LU|HSW Landscape Architects: 6.0 HSW CE Hours
LA CES: 6.0 HSW PDHs Floodplain Managers: 6.0 ASFPM CECs
International Code Council: .6 CEUs (Sitework)

Agenda Day One

Understanding and Implementing Principles of Low Impact Development (LID)

Urban environment and water quality
Conventional development and stormwater management
Drawbacks of conventional approaches
Origins of LID Principles and benefits of LID

Low Impact Development Hydrology Considerations

Water cycle and site hydrology Defining hydrologic principles for LID
Identifying regional hydrologic considerations
Evaluating hydrologic outcomes Hydrologic tools for LID

Low Impact Development Site Planning

Incorporating LID into common land development projects
LID site planning tools Environmental Site Design (ESD)

Agenda Day Two

Low Impact Development Structural BMPs

Choosing and designing best BMPs Site investigation
Bioretention systems Dry swales
Permeable pavements (porous asphalt, porous concrete, interlocking paver systems)
Infiltration basins, trenches, underground systems
Rain barrels Green roofs

Low Impact Development Economics, Construction and Maintenance Considerations

Construction specifications Maintenance requirements

Low Impact Development Resources

Incorporation of LID into land use regulations
LID model ordinances

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Can't Attend? Order the Webinar as a Self-Study Package!

Recordings of these webinars are available for purchase. Visit these course listings on our website 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.

Faculty

Designing for Fire Protection

Bryan Hoskins, Ph.D., P.E.

Associate Professor of Fire Protection & Safety at Oklahoma State University

Dr. Hoskins earned his B.S. and M.S. degrees in Fire Protection Engineering from the University of Maryland. He also received his Ph.D. degree in Mechanical Engineering from the University of Maryland in 2011 with an emphasis on building egress.

Dr. Hoskins spent one year working for Arup on projects primarily dealing with life safety design and people movement. He then spent two years working for the National Institute of Standards and Technology working on projects dealing with building evacuations and emergency messaging. He is a registered fire protection engineer in the state of Oklahoma.

Professor Hoskins is the chair of the Society of Fire Protection Engineers (SFPE) working group that developed a research roadmap for fire protection, and he is a member of the Human Behavior in Fire Task group for SFPE. He serves on multiple code and standards committees. He has authored more than 20 articles related to building evacuations and human behavior in fire.

Low Impact Development

Steven Trinkaus *Principal at Trinkaus Engineering, LLC, in Southbury, CT*

Mr. Trinkaus is an internationally-recognized expert in the field of low impact development (LID), having presented at many American Society of Civil Engineers/ Environmental & Water Resource Institute (ASCE/EWRI) international conferences and many other regional conferences and workshops on LID and water quality issues. He was an invited speaker by the Water Resources Agency in Taichung, Taiwan, to present a 12-hour workshop on LID in December of 2011. He has been an invited presenter and consultant multiple times on storm water and LID in China and South Korea since 2013. He has designed LID retrofits in Zhenjiang, China. He has reviewed and edited LID reports by Pusan National University and Land & Housing Institute in South Korea. Mr. Trinkaus has written LID Design Manuals for the Towns of Tolland, Plainville, Harwinton, Morris, and East Granby, Connecticut. He has designed many types of LID treatment systems for a variety of residential and commercial applications. Mr. Trinkaus is primary author of the *EWRI Filter Strip/Bioswales Task Committee*. Mr. Trinkaus is a licensed professional engineer in Connecticut and Maryland. He received a bachelor of science degree in Forest Management in 1980 from the University of New Hampshire. Mr. Trinkaus has more than 39 years of experience in the land development field and more than 19 years of experience designing low impact development treatment systems and ten years writing LID regulations and design manuals.

Additional Learning

Drone Applications for Engineers

- Mon, Mar 21, 2022 | 9:00 am - 4:30 pm CDT

Keys for Success in Tree Preservation

- Tues, Mar 22, 2022 | 1:00 - 3:00 pm CDT

Stormwater Best Management Practices

- Fri, Mar 25, 2022 | 8:30 am - 5:00 pm CDT

HEC-RAS Unsteady/2D Modeling

- Mon, Mar 28, 2022 | 8:30 am - 5:00 pm CST

Bioretention System Design

- Mon, Mar 28, 2022 | 1:00 - 3:00 pm CDT

Practical Site Engineering

- Fri, April 1, 2022 | 8:30 am - 4:30 pm CDT

Parking Structure Design, Construction, and Maintenance

- Mon, April 4, 2022 | 8:00 am - 3:30 pm CDT

Floodplain Modeling, Mapping and Regulation

- Tues, April 5, 2022 | 10:00 am - 2:00 pm CDT

- Wed, April 6, 2022 | 10:00 am - 2:00 pm CDT

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