

HalfMoon Education Live Continuing Education Seminar and Webinar

Designing for Fire Protection

Albany, NY or Online - Thursday, November 17, 2022 | 8:30 am - 4:30 pm EST

Credits:

Professional Engineers: 6.5 PDHs

Architects: 6.5 HSW CE Hours AIA: 6.5 LU|HSW

International Code Council: .65 CEUs (Fire)

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Anatomy of a Fire

History and science behind development of fire protection design
Overview of fire growth and characteristics
The role that building construction plays in fire behavior
How codes are written to address fire resistance ratings, ventilation, egress, fire fighter access
Case study showing integration with overall building life safety performance

NFPA 13 Design Approach

Definition of responsible charge in the design of a sprinkler system
Engineer vs. contractor responsibilities for the design of automatic sprinkler systems
Design approaches for construction documents applied to NFPA 13
Establishing levels of contractor competency for degree of project complexity
Case study for application of design approaches to NFPA 13
What is the right level of fire protection design to optimize installation cost?

What's Eating Your Pipes? – How Corrosion Can Cause Your Sprinkler System to Fail and How to Fight it

Corrosion in fire protection systems is a growing problem
Steps in combating the corrosion problem
Various types of corrosion that can take place in fire protection systems
Specific information on ways to size up the corrosion problem, overview of NFPA 25 specified maintenance requirements and techniques to mitigate corrosion
Case studies of existing buildings to emphasize corrosion issues associated with the upkeep of sprinkler systems

Presented by

Chris Crivello

Principal at RAN Fire Protection Engineering, P.C.

Douglas Nadeau

President at RAN Fire Protection Engineering, P.C.

Hazard Evaluation vs. Risk Analysis – A Way of Thinking

Steps that code enforcement officials, engineers, and architects can take in dealing with hazards and risks within structures that are not addressed by the building and fire codes
The difference between hazard evaluations and risk analysis
Examples of quantifying hazards and risk along with implementing risk management plans
A case study of a fire to emphasize the value of a hazard and risk analysis
Hazard evaluations and risk analysis for the evaluation of an existing building

Fire Protection for Historical Buildings

Discuss code challenges associated with retrofit fire protection design for historical occupancies and buildings
See how fire modeling can be applied to historical building design
Learn basics of water mist and hybrid extinguishing systems design
Case studies of different design methods within historical buildings

Fire Protection for Data Centers

Outline the design professional's responsibilities in the development of data center fire protection systems
Technical details specified and defined in the Building Code and NFPA standards
Developing customized detection and suppression design criteria

Live Seminar Location:

Courtyard Albany Airport

227 Wolf Road, Albany, NY 12205
(518) 319-8700

Online Webinar Information:

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

Credit Information

This seminar and webcast are open to the public and are designed to qualify for 6.5 PDHs for professional engineers and 6.5 HSW continuing education hours for licensed architects in New York. Professionals seeking continuing education credits in other states may be able to claim the hours earned from this course. Refer to specific state rules to determine eligibility.

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 6.5 LUHSWs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The International Code Council has approved this event for .65 CEUs in the specialty area of Fire (Preferred Provider No. 1232).

Visit this course listing at www.halfmoonseminars.org for updates on pending credits.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

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.

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