Learning Objectives

You’ll be able to:

**Examine** how codes are written to address fire resistance ratings, ventilation, egress and fire fighter access.

**Discuss** design approaches to NFPA 13.

**Learn** how corrosion can cause sprinkler systems to fail and discuss techniques to fight it.

**Explore** steps for dealing with hazards and risks that are not addressed by the building and fire codes.

**Review** the level of protection needed for manufacturing and industrial occupancies, and explore fire protection for data centers.

Continuing Education Credits

**Professional Engineers**
- 6.5 PDHs

**Architects**
- 6.5 HSW Continuing Ed. Hours
- 6.5 AIA HSW Learning Units

**International Code Council**
- .65 CEUs (Fire)

**Contractors**
- Non-Credit Continuing Ed.
Douglas R. Nadeau, MSFPE, P.E., CFPS, LEED AP
President at RAN Fire Protection Engineering, P.C.
Mr. Nadeau, P.E., is the president of RAN Fire Protection Engineering, P.C. and vice president of truVUE Inspection Technologies. He is a licensed fire protection engineer, certified fire protection specialist and LEED accredited professional. His education includes a bachelor of science degree in both Mechanical Engineering and Physics, along with a master of science degree in Fire Protection Engineering from Worcester Polytechnic Institute. Mr. Nadeau has worked as a lead design engineer for fire protection and plumbing systems in all types of buildings and uses for more than 20 years. Mr. Nadeau has been recognized as a leader in the field of fire protection engineering. He has been responsible for the complete design of fire protection and mechanical systems, including contract drawings and specifications as well as project coordination, administration, construction management and cost estimating. He has conducted risk evaluations of various building features involving building code application, fire modeling, and identification and resolution of hazardous conditions. Mr. Nadeau has a long history of experience with commercial, public, and institutional buildings. His work has involved the evaluation of life safety systems specific to building design. He has conducted studies analyzing the protection of the facility property, the protection of occupants, and the redundancies necessary to provide a continuity of business operation in the case of a fire emergency. Mr. Nadeau began his career in the heart of Boston, designing fire protection systems for high-rise buildings of both a prescriptive and performance-based nature. His work evaluating the life safety provisions inherent to the Uniform Building Code (UBC), Southern Building Code (SBC), and Building Officials and Code Administrators (BOCA) has been internationally published. In addition, his expertise in the determination and application of the intent of building codes has allowed him to function as a reference for state agencies and local municipalities.

Christopher Crivello, P.E.
Fire Protection Project Engineer at RAN Fire Protection Engineering, P.C.
Mr. Crivello is a fire protection project engineer for RAN Fire Protection Engineering, P.C. and a technical staff member at truVUE Inspection Technologies. His education includes a bachelor of science degree in Electrical Engineering and Physics, along with a master of science degree in Fire Protection Engineering. Mr. Crivello has worked in fire protection design on commercial, healthcare, industrial, historical and residential buildings. He has designed fire protection systems for these types of buildings, including fire alarm, sprinkler/standpipe, water spray, foam and agent systems. His experience with existing buildings includes the documentation of as built conditions for fire protection systems plans to evaluate system reliability. Mr. Crivello’s knowledge of national, state and NFPA codes make him an expert in fire protection code analysis and compliance review. His experience includes the analysis and design of life safety and systems solutions including architectural egress components, evacuation planning, and fire protection system risk and fire protection system analysis, design and construction.

Here’s what past attendees had to say about the program and presenters
Douglas R. Nadeau and Christopher Crivello:
"Excellent information. I learned a lot." – Electrical Engineer
"I enjoyed personal experiences of presenters." – Architect
"Very interesting presentation. Very educational." – Code Enforcement Official
"Excellent seminar with up-to-date technical information." – Fire Protection Engineer

Seminar Information
Toftrees Golf Resort & Conference Center
One Country Club Lane
State College, PA 16803
(814) 234-8000
Reception: 8:00 - 8:30 am
Morning Session: 8:30 am - 12:00 pm
Lunch (On your own): 12:00 - 1:00 pm
Afternoon Session: 1:00 - 4:30 pm
Registration $279 for individual registrations
$259 for three or more registrations.
Each registration includes a complimentary continental breakfast and printed seminar materials.
Receive a reduced tuition rate of $107 by registering to be our on-site coordinator for the seminar. For availability and job description, please visit www.halfmoonseminars.org

How to Register
- Visit us online at www.halfmoonseminars.org
- Call customer service at 715-835-5900
- Mail-in or fax the attached form to 715-835-6066
- Check the attendance certificate available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Continuing Education Credit Information
This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 CEUs continuing education hours to architects in all states, except Florida architects. Educators and courses are not subject to pre-approval in Pennsylvania. HalfMoon Education is an approved continuing education sponsor for architects in New York. HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana, Louisiana, Maryland, New Jersey (Approval no. 26GPD0002700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. The International Code Council has approved this event for 65 CEUs in the specialty area of Fire. This course offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any contractor licensing entity for mandatory continuing education credit.

Attendance will be monitored and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Tuition
$279.00 I will be attending the live seminar. Single Registrant
$259.00 I am not attending. Please send me the CD manual package.

Deposit: $125.00 (S&H included). Please allow five weeks from seminar date for delivery.

Checks: Make payable to HalfMoon Education Inc.
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