

Agenda

*Presented by Andrew Schneider, Sr., P.E.
and Gina Panciera, R.A.*

Fire Protection and Life Safety Design

Scope and purpose of codes and ordinances

Applicable codes

- International Code Council (ICC) codes
- National Fire Protection Association (NFPA) codes and standards
- State codes
- Local ordinances

Occupancy Classifications

General requirements and criteria

Special occupancies: educational, health care, ambulatory care,
combustible storage, hazardous materials

Multiple use groups

Change of use and /or change of occupancy

Means of Egress

Occupant load calculations

Arrangement of means of egress

- Travel distance, common path of travel, dead-end corridors
- Remoteness
- Accessible means of egress

Exits

- Access, discharge and other components
- Impediments to egress

Fire Protection Features (Passive Protection) and Fire Protection Systems (Active Protection)

Horizontal and vertical assemblies

- Fire resistance ratings
- Opening protectives
- Penetrations, joints
- Signage
- Prescriptive and calculated fire resistance

Vertical openings

Fire protection systems

- Fire detection, alarm and communication systems
- Sprinkler systems

Complying with Fire Protection and Building Codes

Richmond, VA - Friday, September 14, 2018

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Learning Objectives

You'll be able to:

Explore the scope and purpose of applicable codes and ordinances.

Define general requirements and criteria related to occupancy classifications.

Understand occupant load calculations and discuss accessible means of egress.

Examine fire-resistant materials and construction techniques.

Identify requirements related to signage, alarms, sprinkler systems and other fire protection features and equipment.



Complying with Fire Protection and Building Codes

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Enhance your understanding of fire protection and life safety design

Explore general requirements and criteria related to occupancy classifications

Understand National Fire Protection Association (NFPA) codes and standards

Review International Code Council (ICC) codes

Learn about exit access, discharge and other components of means of egress

Discuss fire protection features and equipment

Continuing Education Credits

Professional Engineers
6.5 Continuing Ed. Hours

Contractors
Non-Credit CE Opportunity

Architects
6.5 Continuing Ed. Hours (HSW)
6.5 AIA HSW Learning Units

International Code Council
.65 CEUs (Fire)



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Faculty

Andrew M. Schneider, Sr., P.E *D&D Engineering, LLC, Huntingtown, MD*
Mr. Schneider is a licensed fire protection engineer in multiple states and has been the president of D&D Engineering, LLC, since its inception in 2014, providing code consulting, design, and plan review services. He graduated from the Fire Protection Engineering program at the University of Maryland in 1996. Work experience includes eight years as a consulting engineer for national fire protection and code consulting firms and ten years as senior fire protection engineer overseeing plan review and code enforcement for the Southern Region of the Maryland State Fire Marshal's Office before opening D&D Engineering, LLC. Mr. Schneider served on several NFPA 101/5000 code committees and worked with the Maryland State Fire Marshal's Office at ICC hearings relative to residential sprinkler requirements. He has also served on various code committees and task groups for local jurisdictions including Prince William County, Virginia, and Prince George's County, Maryland. Mr. Schneider's extensive experience as both a consulting engineer and as an authority having jurisdiction gives him insight to the code process, design needs, and code enforcement.

Gina M. Panciera, NCARB *Panciera & Associates, LLC - King George, VA*
Mrs. Panciera graduated from Catholic University with a Bachelor of Architecture degree in 1994. She became a licensed architect in the state of Virginia in 2002 and has become a member of NCARB with reciprocity in Maryland. Her portfolio includes a mastery of skills in the principles and practices of architecture along with an in depth understanding of code regulations and implementation. For 29 years Mrs. Panciera has gained experience in new design and construction of buildings as well as in the restoration, renovation and re-use of existing buildings. Many of these buildings include buildings used for assembly purposes, public buildings, medical facilities, and office complexes and fit out for industrial, institutional, agricultural, structural evaluations and code consulting for multi-use facilities and special use facilities. Mrs. Panciera worked as a commercial plan reviewer for Charles County, Maryland, as well as a code consultant for over 20 years. Her broad experience as an architect and authority having jurisdiction gives her understanding for the design process and implementation of code compliance for new buildings, and additions to and alterations of existing buildings. Ms. Panciera works with currently adopted editions of the International Building Code, International Residential Code, and The International Rehabilitation Code along with other various ICC codes.

Seminar Information

Hyatt Place Richmond/Arboretum
201 Arboretum Place
Richmond, VA 23236
(804)560-1566

Registration
8:00 - 8:30 am
Morning Session
8:30 am - 12:15 pm
Lunch (On your own)
12:15 - 1:15 pm
Afternoon Session
1:15 - 4:30 pm

Tuition
\$279 for individual registration
\$259 for three or more simultaneous registrations.

Each registration includes a complementary continental breakfast and printed seminar manual. Registration does not include copies of fire/building codes.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

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

Cancellations: Cancel at least 48 hours before the start of the seminar (CDT), and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the CD/manual package. You may also send another person to take your place.

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 (HSW) continuing education hours to architects and 6.5 continuing education hours to engineers in most states, including Virginia. Educators and courses are not subject to preapproval in Virginia.

This event has been approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885). Only full attendance can be reported to the AIA.

Architects and engineers seeking continuing education credit in other states will be able to apply the hours earned at this seminar, in most cases. Refer to specific state rules to determine eligibility.

The International Code Council has approved this program for .65 CEUs in the specialty area of Fire.

This seminar offers a continuing education opportunity to construction contractors but has not been approved by any state contractor licensing entity.

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

Additional Learning

Webinar Series

The Distributed Battery Webinar Series

- **The Distributed Battery Webinar, Part I**
Wed., Aug. 1, 2018, 11:00 AM - 2:15 PM CDT
- **The Distributed Battery Webinar, Part II**
Thurs., Aug. 2, 2018, 11:00 AM - 2:15 PM CDT

Handling Ethical Issues in Professional Engineering Practice
Fri., Aug. 3, 2018, 11:00 AM - 12:00 PM CDT

Technical Writing

- **Technical Writing Basics**
Thurs., Aug. 9, 2018, 12:00 PM - 2:00 PM CDT
- **Planning Documents**
Thurs., Aug. 9, 2018, 2:30 - 4:30 PM CDT
- **Writing Documents**
Fri., Aug. 10, 2018, 12:00 PM - 2:00 PM CDT
- **Revising and Editing Documents**
Fri., Aug. 10, 2018, 2:30 - 4:30 PM CDT

For more information visit:
www.halfmoonseminars.org/webinars/

Can't Attend? Order the CD/Manual Package:
An audio recording of this seminar is available for \$289 (including shipping). Allow five weeks from the seminar date for delivery. Please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	
Fax: 715-835-6066	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
Complete the entire form. Attach duplicates if necessary.	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 seminar. Single Registrant - \$279.00 . Three or more registrants from the same company registering at the same time - \$259.00 each. () I am not attending. Please send me the CD manual package for \$289.00 . (S&H included. Please allow five weeks from seminar date for delivery)
Checks: Make payable to HalfMoon Education Inc.
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i>
Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
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City: _____ State: _____ Zip: _____
Signature: _____
Email: _____