

Agenda

Presented by Robert J. Schutz

Development and Administration of International Residential Code

History of the International Residential Code (IRC)
Adoption and use of the International Residential Code
Chapter 1, IRC – Administration and scope of the IRC
Chapter 2, IRC – Definitions and terms in the IRC

Building Planning and Shell Construction (Chapters 3-10)

Design and construction standards
Alternative provisions and design criteria
Wind effects and protection of openings
Seismic provisions and snow loads
Story heights, dead loads and live loads
Fire-resistant construction and exterior walls
Dwelling unit separations and garage separation
Ceiling heights and space sizes
Glazing and hazardous locations
Garages, carports and accessory buildings
Ingress, egress and stairways
Fire and carbon monoxide alarms
Foam plastic, insulation and vapor retarders
Wood and wood-based products
Floods, storms and drainage
Soils and foundations
Framing and fastening
Walls and wall covering
Roof/ceiling construction
Roof assemblies

Fireplaces, and Chimneys (Chapter 10)

Energy Efficiency (Chapter 11)

Compliance and energy certificates
Building thermal envelope
Climate classifications
Insulation and fenestration
Building and mechanical systems
Electrical and lighting

Mechanical, Fuel, Plumbing and Electrical Systems (Chapters 12 – 42)

Appliance installation and exhaust systems
Ventilation, exhaust and hydronic systems
Fuel gas systems and appliances
Plumbing fixtures, drainage and venting
Backflow preventers, sumps and ejectors
Fire sprinkler systems
Electrical system grounding
Intersystem bonding termination
Overcurrent devices
Electrical outlets
Luminaires
Pools, spas and hot tubs

International Residential Code 2018
Harrisburg, PA - Friday, April 12, 2019



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Learning Objectives

You'll be able to:

Discuss the development of the International Residential Code and its adoption and enforcement in the state of Tennessee.

Identify code requirements for the building shell, including foundations, floors, walls, ceilings and roofs.

Define energy efficiency requirements and evaluate various compliance methods.

Enhance your understanding of requirements for fire safety and detection systems.

Review significant changes to the 2018 IRC.



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Review the development and enforcement of the International Residential Code (IRC)

Examine code requirements for building planning and shell construction

Explore requiremnets for mechanical, fuel, plumbing and electrical systems

Discuss energy efficiency requirements and compliance methods

Explore significant changes between the 2015 and 2018 code

Continuing Education Credits

Professional Engineers

7.0 PDHs

Architects

7.0 HSW Continuing Ed. Hours
7.0 AIA HSW Learning Units

International Code Council

.7 CEUs (Building)

Contractors

Non-Credit Continuing Ed.



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Faculty

Robert J. Schutz *Recently Retired Building Official from the City of Columbus, Ohio*
Mr. Schutz is recently retired building official from the City of Columbus, Ohio. He was previously a senior staff engineer in product development with the International Code Council, after several years as their manager of instructors in the ICC Training & Education Department. He has also served as an assistant architect administrator at the Ohio Board of Building Standards. While with the State of Ohio, he oversaw the new Residential Code of Ohio program, including certification of local residential code departments and personnel. His varied previous experiences include active military service during the 1980s as an Army Corps of Engineers (ACE) officer; building code enforcement for several central Ohio jurisdictions, including ten years as chief building official (CBO) for the City of Powell where he also served as city engineer and director of public services; and chief engineer for the Ohio Department of Health, where he chaired the state’s plumbing advisory board, was chief of plumbing and was a voting member on the Ohio Board of Building Standards.

Here’s what past attendees had to say about the program and presenter Robert J. Schutz:
“Excellent delivery of information. Kept discussion interesting and helpful.” – *Engineer*
“Bob is not only very qualified, but also very engaging. Great instructor!” – *Architect*
“Very effective overview from the perspectives of a code official, engineer and code writer.” – *Professional Engineer*

Seminar Information

Red Lion Harrisburg East	Registration	Lunch (On your own)
4751 Lindle Road	8:00 - 8:30 am	12:00 - 1:00 pm
Harrisburg, PA 17111	Morning Session	Afternoon Session
(717) 939-7841	8:30 am - 12:00 pm	1:00 - 5:00 pm

Tuition
\$289 for individual registration
\$269 for three or more simultaneous registrations.

Included with your registration:
Complimentary continental breakfast and printed seminar manual.

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, 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 self-study package. You may also send another person to take your place.

Additional Learning

Webinar Series
National Electrical Code

- **National Electrical Code, Part I**
Wed., March 6, 2019, 11:00 AM - 3:30 PM CST
- **National Electrical Code, Part II**
Thurs., March 7, 2019, 11:00 AM - 3:30 PM CST
- **National Electrical Code, Part III**
Fri., March 8, 2019, 11:00 AM - 3:30 PM CST

Commercial Solar Peaker Batteries

- **Commercial Solar Peaker Batteries, Part I**
Wed., March 13, 2019, 11:00 AM - 3:15 PM CDT
- **Commercial Solar Peaker Batteries, Part II**
Thurs., March 14, 2019, 11:00 AM -2:15 PM CDT

Handling Ethical Issues in Professional Engineering Practice
Fri., March 15, 2019, 11:00 AM -12:00 PM CDT

Structural Forensic Engineering

- **Introduction to Forensic Engineering Process**
Wed., March 27, 2019, 11:00 AM -1:00 PM CDT
- **Causes of Failures and the Forensic Engineering Report**
Wed., March 27, 2019, 1:30 -3:30 PM CDT
- **Forensic Examination of Structures and Use in Litigation**
Thurs., March 28, 2019, 11:00 AM -1:00 PM CDT

Foundation Damage and Repair

- **Structure Loads, Soil Mechanics, Bearing Capacity and Geo-Environmental Hazards**
Thurs., March 28, 2019, 11:00 AM -12:30 PM CDT
- **Foundation-Wall Design and Construction**
Thurs., March 28, 2019, 1:00 -2:30 PM CDT
- **Assessment of Foundation-Slab Damage & Repair Alternative**
Fri., March 29, 2019, 11:00 AM -12:30 PM CDT
- **Assessment of Foundation-Retaining Wall Damage & Repair Alternatives**
Fri., March 29, 2019, 1:00 -2:30 PM CDT

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

Continuing Education Credit Information

This seminar is open to the public and offers 7.0 PDHs to professional engineers and 7.0 HSW continuing education hours to architects in most states, including Pennsylvania. Educators and courses are not subject to pre-approval for Pennsylvania engineers.

The American Institute of Architects has approved this seminar for 7.0 HSW Learning Units. Only full attendance can be reported to the AIA/CES.

Engineers and architects 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 event for .7 CEUs in the specialty area of Building.

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.

Can’t Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!
Audio recordings of this seminar are available for purchase starting at \$269. See registration panel 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.

Registration

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How to Register	
Online: www.halfmoonseminars.org	
Phone: 715-835-5900	
Fax: 715-835-6066	Code:
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Complete the entire form. Attach duplicates if necessary.	
Registrant Information Name: _____ Company/Firm: _____ Address: _____ City:_____State: _____ Zip_____ Occupation: _____ Email: _____ Phone: _____ Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____ Name: _____ Occupation: _____ Email: _____ Phone: _____ 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 - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.
() **I am not attending.** Please send me the self-study package:

- ☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.
- ☐ CD/Manual Package for **\$289.00**.

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

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