

Agenda

Presented by Vincent F. Fratinardo, P.E., S.E., RRC

Development and Enforcement of the Residential Code of Ohio (RCO)

- History of the International Residential Code (IRC)
- Adoption and enforcement of the Residential Code of Ohio
- Recent and anticipated code amendments
- Future of the code

Building Planning and Shell Construction (Chapters 2-10)

- Definitions
- Alternative provisions and design criteria
- Wind effects and protection of openings
- Seismic provisions
- Story height and live loads Snow loads
- Fire-resistant construction and exterior walls
- Dwelling unit separations and garage separation
- Ceiling heights Glazing
- Garages and carports Ingress, egress and stairways
- Fire and carbon monoxide safety and detection
- Foam plastic Wood and wood-based products
- Accessibility Floods, storms and drainage
- Soils and foundations Framing and fastening
- Walls and wall covering Roof/ceiling construction
- Roof assemblies Fireplaces and chimneys

Energy Efficiency (Chapter 11)

- Compliance
- Building thermal envelope
- Climate classifications
- Permanent energy certificate
- Insulation and fenestration
- Building systems
- Lighting

Mechanical, Fuel, Plumbing and Electrical Systems

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

Residential Code of Ohio

Middleburg Heights, OH - Thursday, February 20, 2020



HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

NON-PROFIT
U.S. POSTAGE PAID
EAU CLAIRE, WI
PERMIT NO. 2016

Learning Objectives

You'll be able to:

Comply with Residential Code of Ohio provisions on building envelope, ingress, egress, stairways, accessibility and roof assemblies.

Reference Residential Code of Ohio provisions on mechanical, fuel, plumbing and electrical systems.

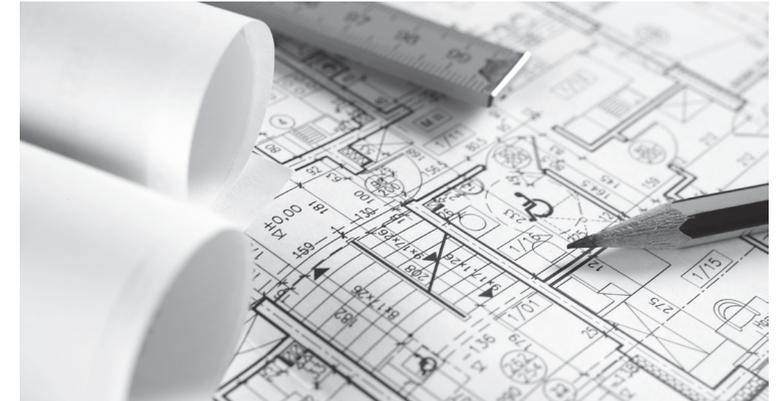
Comply with Residential Code of Ohio requirements on wind resistance, seismic design and fire-resistant construction.

Identify Code energy efficiency requirements for insulation, fenestration, thermal envelope, building systems and lighting.

 Find us on
Facebook

Residential Code of Ohio

Middleburg Heights, OH - Thursday, February 20, 2020



Understand the development and enforcement of the Residential Code of Ohio (RCO)

Identify requirements for story height, live loads, snow loads and fire resistance

Comply with requirements for foundations, framing, roofs and garages

Learn about energy efficiency under the RCO

Explore mechanical, fuel, plumbing, and electrical systems

Discuss energy efficiency requirements

Continuing Education Credits

Professional Engineers
7.0 CPD Hours/PDHs

International Code Council
.7 CEUs (Building)

Architects
7.0 HSW Continuing Ed. Hours
7.0 AIA LU|HSW

AIA
Continuing
Education
Provider



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



Faculty

Vincent Fratinardo, P.E., S.E., RRC *Glen Ellyn, IL*

Mr. Fratinardo is a civil/structural engineer and roof consultant. His over 20 years of experience includes civil and structural engineering analysis, design, construction administration, field investigation, and project management, and 13 years of experience specific to forensic engineering and the investigation and analysis of building damage and failures. Mr. Fratinardo has designed numerous new buildings, building additions, building renovations, and mechanical platforms and supports. He has designed and analyzed roof, wall and floor framing systems utilizing steel, concrete, masonry, and wood construction. Mr. Fratinardo has vast expertise in commercial, industrial, agricultural, municipal, educational and residential building damage investigations, including on-site investigations after 25 different tornado events, and Hurricanes Irene, Sandy, Matthew, Harvey, Irma, Maria and Florence. He has legal experience in depositions, arbitration hearings and trials. He has prepared and performed numerous continuing education presentations, including on an array of topics in forensic engineering, structural engineering and building codes for HalfMoon Education Inc., in multiple states since 2014. Mr. Fratinardo graduated from Michigan State University with a bachelor of science degree in Civil Engineering, and he also holds a master of engineering degree in Civil Engineering from Texas A&M University. He is a registered professional engineer in multiple states and a licensed structural engineer in Illinois.

Seminar Information

Crowne Plaza Cleveland Airport
7230 Engle Road
Middleburg Heights, OH 44130
(440) 243-4040

Tuition

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

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

Registration does not include a copy of the code itself.

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.

Registration
8:00 - 8:30 am
Morning Session
8:30 - 11:45 am
Lunch (on your own)
11:45 am - 12:45 pm
Afternoon Session
12:45 - 5:00 pm

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 licensed in Ohio. Educators and courses are not subject to preapproval in Ohio.

The American Institute of Architects Continuing Education System has approved this course for 7.0 LU|HSW (Sponsor No. J885). Only full attendance is reportable to the AIA/CES. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

Engineers and architects seeking continuing education credit in other states will be able to claim the hours earned at this seminar, in some 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. (Preferred Provider No. 1232).

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.

Additional Learning

Webinar Series

Ethical Issues for Engineers

- **Handling Ethical Issues in Professional Engineering Practice**
Fri., Jan. 17, 2020, 12:00 - 2:00 PM CST
- **Resolving Disputes and Handling Ethical Issues in Government Projects**
Fri., Jan. 31, 2020, 12:00 - 1:00 PM CST
- **Complying with Rules of Professional Conduct**
Fri., Feb. 14, 2020, 12:00 - 1:00 PM CST

Off-Grid Master Class

- **Part I**
Wed., Jan. 22, 2020, 11:00 AM - 2:15 PM CST
- **Part II**
Thurs., Jan. 23, 2020, 11:00 AM - 2:15 PM CST

Aerial Mapping Technologies and Procedures

- **Overview of Aerial Mapping Technologies and Platforms**
Thurs., Jan. 23, 2020, 11:00 AM - 12:30 PM CST
- **Mapping Using UAS and Photogrammetry**
Thurs., Jan. 23, 2020, 1:00 - 3:00 PM CST
- **Post Processing Software Applications and Photogrammetry Demonstration**
Fri., Jan. 24, 2020, 11:00 AM - 1:00 PM CST
- **FAA Commercial UAS Regulations and FAA Part 107**
Fri., Jan. 24, 2020, 1:30 - 3:00 PM CST

Introduction to the World of BIM and the Revit Basics

- **BIM and Revit Overview**
Wed., Jan. 29, 2020, 11:00 AM - 12:30 PM CST
- **Revit Model Building and Elements**
Wed., Jan. 29, 2020, 1:00 - 3:00 PM CST
- **Creating Sheets in Revit**
Thurs., Jan. 30, 2020, 11:00 AM - 12:30 PM CST
- **Revit Drafting and 3D Model Management**
Thurs., Jan. 30, 2020, 1:00 - 3:00 PM CST

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

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. This learning method does not qualify for the continuing education requirements of Ohio engineers, AIA members or BPI members. No contractor credit available. Please allow five weeks from the seminar date for delivery.

Registration

Residential Code of Ohio

Middleburg Heights, OH - Thursday, February 20, 2020

How to Register		Registrant Information
Online: www.halfmoonseminars.org		
Phone: 715-835-5900		
Fax: 715-835-6066	Code:	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		
Complete the entire form. Attach duplicates if necessary.		
		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**. USB/Manual Package **\$289.00**.

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

Checks: Make payable to HalfMoon Education Inc.

Credit Card: *Mastercard, Visa, American Express, or Discover*

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

Email: _____