

## Credit Information

### **2024 International Residential Code**

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers and 7.0 HSW continuing education hours for licensed architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00049300) 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 7.0 HSW LUs (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

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 webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

### **On-Demand Credits**

The preceding credit information only applies to the live presentation. This course in an on-demand format is not pre-approved by any licensing boards and may not qualify for the same credits; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request: 7.0 HSW LUs (AIA)

### **Adaptive Reuse of Commercial Buildings**

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## Live, Interactive Webinars

- 2024 International Residential Code
- Adaptive Reuse of Commercial Buildings

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## Live, Interactive Webinars

### **2024 International Residential Code**

- Wednesday, November 13, 2024 | 8:30 am - 5:00 pm CST

### **Adaptive Reuse of Commercial Buildings**

- Wednesday, November 20, 2024 | 9:00 am - 4:00 pm CST

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# 2024 International Residential Code

Wednesday, November 13, 2024 | 8:30 am - 5:00 pm CST

**Tuition:** \$339 per registrant  
\$237 per attendee for group registrations of two or more people registering at the same time for the same program. ***That's a savings of 30 percent!***

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## Agenda:

### Development and Enforcement of International Residential Code

- History of the International Residential Code
- Adoption and enforcement of IRC
- Overview of 2024 code changes, including changes to:
  - Decks
  - DWV systems
  - Roofs
  - Dwelling separations
  - Egress
  - Footings

### Building Planning and Shell Construction (Chapters 2-10)

- Definitions
- Alternative provisions and design criteria
- Wind effects and protection of openings
- Seismic provisions
- Design criteria: snow, wind, live, dead, and roof 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 (Chapters 12-41)

- Appliance installation and exhaust systems
- Ventilation
- Hydronic systems
- Fuel gas systems and appliances
- Plumbing fixtures
- Drains
- Fire sprinkler systems
- Electrical system grounding
- Overcurrent devices
- Electrical outlets
- Luminaires
- Pools, spas and hot tubs

### Pools, Tiny Homes, and Accessory Dwelling Units (Chapter 42, Appendices BB & BC)

- Swimming pools, spas, and hot tubs
- Tiny homes and accessory dwelling units

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## Agenda:

### Commercial and Residential Construction, Inventory and Occupancy

- Existing stock of residential and commercial buildings
- Occupancy by category, pre- and post-pandemic
- Projected need for residential and commercial space
- How existing commercial buildings can help meet need for residential space
- Programs and initiatives

### Addressing Financial and Regulatory Hurdles

- Property valuations
- Financing opportunities
- Cost/benefit analysis
- Land use/building code issues

### Adapting Commercial Properties for Residential Use, Part 1

- Neighborhood
- Walkability/mass transit
- Site contamination/brownfield/environmental issues
- Gathering regulatory and community support
- Type of residential reuse: low-income housing, apartments, townhouses, high-end housing
- Site design and outdoor amenities
- What to save, what to reuse and what to build new

### Adapting Commercial Properties for Residential Use, Part 2

- Building envelopes
- Energy modeling and energy-efficient design
- Reused, reclaimed and local materials
- Water supply and sewerage systems
- Interior finishes
- Electrical, mechanical and power systems
- Case studies

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# Faculty

## 2024 International Residential Code

**Joseph Iliff, CBO** *Building Inspector for SAFEbuilt, Inc.*

Mr. Iliff has been a certified building official for more than 10 years serving communities in Texas, Illinois, and Missouri. He has taught classes on the residential, building, and property maintenance codes with a focus on preparing students for certification exams and effective administration. Mr. Iliff has more than 30 years of experience and certifications as a city planner, floodplain manager, and code enforcement officer. He earned an undergraduate degree in Urban Planning and Development from Ball State University.

## Adaptive Reuse of Commercial Buildings

**Lance Luke, CCI, CCPM, CCC, CHI** *National Building Expert, Principal Engineer of Construction Management Inspection LLC*

Mr. Luke has over 40 years of experience in the construction and engineering industry. He offers inspections, construction management, and construction consultation for residential and commercial projects and is a national speaker on topics such as construction, engineering, building safety, real estate, construction litigation, expert witness services, building codes and more. Mr. Luke is a two-time best-selling author on the subjects of construction management and building safety and has numerous articles published in national construction, design and management publications. He has also been a featured guest on national media shows such as *Times Square Today* and *Hollywood Live* which were broadcast on national media outlets such as ABC, CNBC, CNN, NBC, Fox Affiliates, A&E and Bravo.

## John V. Dawson, PhD, AIA, AICP, LEED AP

*Retired Associate Vice President for Administrative Operations at Texas A&M University – Corpus Christi, Texas*

Dr. Dawson is a subject matter expert on planning, programming, design, construction and contract management related to large public and private organizations and institutions nationwide. He recently retired as the Associate Vice President for Administrative Operations at Texas A&M University – Corpus Christi where he oversaw facility operations, maintenance, grounds, custodial services, and planning and construction as well as environmental health and safety (EHS) for the “Island” campus. Dr. Dawson’s experience spans federal, state, county and local municipality projects including the Federal Aviation Administration (FAA), General Services Administration (GSA), Department of Justice (DOJ), Immigration and Customs Enforcement (ICE), and Department of Defense (DoD) including the Naval Construction Battalion’s at Gulfport and Port Hueneme; Seabees; Navy Civil Engineer Corp; Army Corps of Engineers; Air Force Civil Engineers and RED HORSE units.

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