1. Universal Residential Design ©

Wednesday, May 25, 2022 | 8:30 am - 4:30 pm CDT (incl. a 30-min break)

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 LU | HSW

International Code Council: .7 CEUs (Accessibility)

Agenda Highlights:
- Understanding the philosophy and principles of universal design
- Designing entryways and promoting interior mobility
- How to apply the goals of universal design: kitchens
- Universal bath design: accessible outdoor living

Reviewing universal residential design features: virtual tour of Green Mountain Ranch

Presented by:
- Michael Perry, AIA Principal, and executive vice president of Progressive AE
- Freder D. Sawyer, AIA, NCARB, RID, RAS & APA Owner of ARS - Accessibility Resource Specialists, PLLC
- Kristy Macy, Assoc. AIA Architectural Design Research Associate at the Center for Inclusive Design and Environmental Access

Deborah Ann Rozell, President, Innovative Inclusive Design, LLC

Cyndie Leiblack, MA, ASID, Hon. RID Award winner author, an international lecturer, and a designer with over 30 years of experience

Kurt Haapala, AIA, LEED AP Partner at Mahlum Architects Inc.

2. Residential and Small Commercial Timber Frame Design and Construction

Thursday, May 26, 2022 | 8:30 am - 4:30 pm CDT (incl. a 60-min break)

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours AIA: 6.5 LU | HSW

International Code Council: .6 CEUs (Building)

Agenda Highlights:
- Working with timber and the history of timber framing
- Structural frame design
- Roof framing and truss design
- Joinery design
- Putting it together

Presented by Jeffrey R. Hershberger, Founder/Managing Owner of StickTimberworks

3. 2021 International Residential Code:

Wednesday, June 1, 2022 | 11:00 am - 3:30 pm CDT (incl. a 30-min break)

Credits: Professional Engineers: 4.0 PDHs Architects: 4.0 HSW CE Hours AIA: 4.0 LU | HSW

International Code Council: .4 CEUs (Building)

Agenda Highlights:
- Design professionals requirements
- Fire separation distances
- Exterior walls, projections, openings, and penetrations
- Fire resistant construction
- Fire protection of floors
- Minimum room areas
- Sanitation and plumbing requirements
- Glazing
- Automatic sprinkler systems
- Foam protection
- Flood-resistant construction
- Mezzanines

Presented by Jared Agee, MCP, CBO

Division Director of Building and Code Enforcement for St. Charles County, Missouri

4. Federal Wetlands Science, Law, and Compliance ©

Friday, June 3, 2022 | 9:00 am - 4:00 pm CDT (incl. a 30-min break)

Credits: Professional Engineers: 6.0 PDHs Architects: 6.0 HSW CE Hours AIA: 6.0 LU | HSW

International Code Council: .6 CEUs (Energy)

Agenda Highlights:
- Wetland science and identification
- Understanding federal wetlands laws and enforcement
- Permitting of impacts to waters of the United States
- Wetland mitigation banking

Presented by:
- Spencer D. Varnado, Ecologist and wetlands scientist at Geosyntec Consultants
- Brianna J. Schroeder, Attorney at Janzen Schroeder Agricultural Law, LLC
- Andrew T. Der, Executive principal of Andrew T. Der & Associates, LLC
- Terresa M. Bakner, Partner at Whitman Osterman & Hanna, LLP
- Victoria K. Colangelo, CEO of The Mitigation Banking Group, Inc.

5. National Electrical Code 2020: Grounding and Bonding

Tuesday, June 7, 2022 | 8:30 am - 5:00 pm CDT (incl. a 60-min break)

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 LU | HSW

International Code Council: .7 CEUs (Electrical)

Agenda Highlights:
- Definitions, purpose of grounding, system and service grounding
- Grounding at separate buildings and generators; the grounding electrode system
- The grounding electrode system; bonding at services
- Equipment grounding conductors

Presented by Rick Chambers, Chambers Electric, Inc. Iowa City, IA

6. Deep Foundations and Excavations

Wednesday, June 8, 2022 | 8:30 am - 4:30 pm CDT (incl. a 30-min break)

Credits: Professional Engineers: 7.0 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 LU | HSW

International Code Council: .7 CEUs (Structural)

Agenda Highlights:
- Soil mechanics, bearing capacity, and earth retention
- Reviewing deep foundation types
- Pile design
- Groundwater conditions
- Designing open channels

Presented by Daniel P. Messmer, P.E., D. GE

Installation and testing

7. Passive House for the Great Lakes Region ©

Tuesday, June 9, 2022 | 7:30 am - 2:50 pm CDT (incl. a 30-min break)

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours AIA: 6.5 LU | HSW

International Code Council: .6 CEUs (Energy)

Agenda Highlights:
- Understanding the energy efficiency of conventional construction
- Passive House standard: purpose, principles and development
- Architectural elements of Passive Houses
- Mechanical and electrical systems in Passive Houses

Presented by Christina Snyder

Architect, Builder, CPHC, PHI-accredited Certifier, Owner, Equilibrium Energy Spaces, Michigan

8. Complying with the Residential Provisions of the IECC 2021 ©

Thursday, June 10, 2022 | 8:30 am - 4:30 pm CDT (incl. a 60-min break)

Credits: Professional Engineers: 6.5 PDHs Architects: 6.5 HSW CE Hours AIA: 6.5 LU | HSW

International Code Council: Pending

Agenda Highlights:
- General administration of the Code
- Code compliance exercises
- Code compliance alternatives

Presented by Rick Chambers

Chambers Electric, Inc. Iowa City, IA

9. Open Channel Hydraulics and Design

Friday, June 11, 2022 | 8:30 am - 4:30 pm CDT (incl. a 60-min break)

Credits: Professional Engineers: 6.5 PDHs

Flammond Managers: 6.5 ASFPMP CECs

Agenda Highlights:
- Understanding open channel flow and pipe flow
- Making open channel calculations
- Evaluating channel shapes
- Designing open channels
- Applications for open channels and case studies

Presented by Christ Naidu

Water Resources Civil Engineer, Senior Project Manager at RESPEC

10. Complying with Fire Protection and Building Codes ©

Monday, June 13, 2022 | 8:30 am - 4:30 pm CDT (incl. a 30-min break)

Credits: Professional Engineers: 6.5 PDHs Architects: 7.0 HSW CE Hours AIA: 7.0 LU | HSW

International Code Council: .7 CEUs (Fire)

Agenda Highlights:
- Fire protection and life safety design
- Construction types and occupancy classifications
- Means of egress
- Fire protection features and equipment
- Code compliance exercises

Presented by Michael J. Feibel

Licensed architect in several states, and provides consulting and design services to clients throughout the country

To register, view detailed presenter biographies and agendas, click on the headings below, visit www.halfmoonseminars.org or call our customer service department at (715) 835-5900.