



MAY 29, 2014  
7:30 AM-3:30 PM  
UNIVERSITY OF HARTFORD  
200 BLOOMFIELD AVENUE  
WEST HARTFORD, CT 06117

### CONFERENCE OVERVIEW

You are invited to attend this free, one-day conference developed specifically for Connecticut’s design and trade professionals.

The day includes a morning keynote address, afternoon panel presentation and your choice of two workshops, all focused on topics important to the design and construction community, including updates to the Connecticut Building Code. Instructors are code and industry experts.

Exhibitors will be on hand to discuss the latest programs, services and products available to serve you in your field of work. Time to network is built into the program.

Participation in the full schedule of events has been approved for 5.5 Continuing Education Credits through OEDM. AIA Learning Units and New York State Professional Development Hours will also be available through the Construction Institute.

Complementary refreshment breaks and lunch will be provided.

### TO REGISTER

Seating is limited for many of the workshops, so [click here](#) to register today and secure your seat in the workshops that interest you. Workshops are assigned on a first-come, first-served basis.

### PRESENTATIONS AND WORKSHOPS

#### KEYNOTE ADDRESS

#### Back to Building Code Basics: Use and Occupancy, Construction Types, Height and Area, Means of Egress

Bruce J. Spiewak, AIA, Consulting Architect, LLC

This presentation will focus on basic code concepts for Use and Occupancy, Construction Types, Height and Area and Means of Egress that have been the foundation of the building code for decades. The presenter will discuss the fundamental issues surrounding these concepts, why they are still important to today’s design and construction fields along with introducing some of the key changes to look for in these areas of the 2012 International Building Code.

### WHO SHOULD ATTEND

- Architects
- Building Code Officials
- Electricians
- Engineers
- Home Construction Contractors
- Home Improvement Contractors
- HVAC Technicians
- Interior Designers
- Landscape Architects
- Major Contractors
- Owners and Facility Managers
- Plumbers

### CONFERENCE SCHEDULE

7:30 am	Registration/Breakfast and Exhibit Viewing
8:30 am	Welcoming Remarks
8:50 am	Keynote Address
10:00 am	Refreshment Break and Exhibit Viewing
10:30 am	Session I Workshops
12:00 noon	Lunch/Exhibit Viewing
1:00 pm	Session II Workshops
2:00 pm	Panel Presentation
3:30 pm	Conference Concludes



Proudly hosted by the Connecticut Department of Administrative Services, Office of Education and Data Management, in partnership with the Construction Institute, University of Hartford

*This conference is made possible through the Code Training and Education Fund. Revenue for the Fund is provided through assessments on building permits.*



On May 22nd, conference handouts will be available at [ct.gov/dcs](http://ct.gov/dcs), **Education and Data Management**. Please print handouts for the workshops of your choice, and bring them to the conference on May 29th.

## PRESENTATIONS AND WORKSHOPS continued

### SESSION I WORKSHOPS (choose one)

#### 1. Building Planning - Chapter 3 of the IRC

Tim York, Building Official, Town of Colchester

This program will provide the minimum levels of structural integrity, life safety and fire safety in one and two family dwellings and townhouses of three stories or less. Chapter 3 helps to determine the appropriate design criteria, sets limits under which a building may be designed and constructed, and specifies the minimum requirements for a number of building components such as means of egress, emergency escape, minimum room sizes and sanitation.

#### 2. Wall Bracing by the Book

Louis G. Daviau, Territory Manager, Simpson Strong-Tie Company, Inc.

This program will look at wall bracing as prescribed in the Residential Code of Connecticut for low wind speed regions (90 & 100 mph). The goal is to enable participants to recognize problem areas, sections of the house that require special attention, and design an economical solution. This course is based on the current code and will look at the 2009 IRC that was recently adopted in Connecticut. As time allows, wall bracing, or "Shear Walls" as prescribed in the WFCM Code for high wind speed regions (110 & 120 mph) will be reviewed. The goal is to enable participants to determine the most economical shear wall requirements for single family homes in the high wind speed areas using the tables from the WFCM and applying them to a sample house.

#### 3. Means of Egress Basics

Joseph Versteeg, Principal Versteeg Associates

This lecture will examine the fundamental requirements of the Connecticut Building Code and Fire Safety Code governing means of egress for new and existing buildings, as well as common misapplications. Topics will include multiple occupancies, occupant load and egress capacity calculations, and egress arrangement mandates.

#### 4. Accessibility and Universal Design

Joseph F. Pierz, AIA, NCARB, Architect, State Building Official, Pierz Associates

This program will provide a historical overview of societal practices and accommodations for people with mental and physical disabilities. Emphasis will be placed on evolving perceptions, special needs, Connecticut Code requirements and Federal ADA standards for accessible design.

#### 5. NFPAI – The Connecticut Fire Prevention Code for Design Professionals

James Quish, Trainer, Office of Education and Data Management, DAS

This presentation will examine NFPAI, the Model Code used in forming Connecticut's State Fire Prevention Code. Prevention Code integration with the State Building Code and State Fire Safety Code will be detailed. Important selected portions of Code will be examined and compared to Connecticut's Building Code. The somewhat dynamic Prevention Code application, to both new and existing buildings, will expose important functional details. Insight to the Fire Service's use of the Code as applied to reoccurring building inspections will be presented. Finally, prevention Code enforcement options will be discussed. Participants are encouraged to bring NFPAI (2003 edition).

#### 6. Electrical Emergency System Plan Review (What to Look For)

Frank Gladwin, Building Official, Town of West Haven

This program will provide an overview of the code requirements for emergency electrical systems, including when emergency systems are required and how the systems must comply with the 2011 NEC. The class will also look at relative future codes and what impact they may have on emergency electrical systems.

#### 7. Air & Moisture Control in Building Enclosures

Marc A Loranger, PE, LEED AP, Senior Project Manager, Gale Associates

This presentation will discuss the use of vapor impermeable and permeable air barrier membranes in exterior building enclosures and intends to clarify design concepts, code requirements and installation methods of air and vapor barriers. Controlling the transmission of air and vapor through the enclosure can provide both increased energy conservation and reduce the potential of condensation within the assembly. This presentation will also review air/vapor barrier definitions, vapor diffusion versus air leakage, various suitable materials and placement of air/vapor barriers within the enclosure assembly.

SESSION II WORKSHOPS next page

## SESSION II WORKSHOPS (choose one)

### 8. COMCheck and RESCheck Energy Code Compliance Software

Don Vigneau, AIA, Architect

This presentation will review the use of Department of Energy COMCheck and RESCheck computer software to assess compliance with the commercial and residential requirements of the 2009 International Energy Conservation Code (IECC), including the building envelope, lighting and mechanical systems.

### 9. The Press: They are Important and Can Help

Lt. J. Paul Vance, Commanding Officer, Public Information Office, Connecticut State Police, DESPP

This presentation will provide an overview of the press and what they need to do their job, and how it can help you to do yours.

### 10. The Building Permit Process

Dan Tierney, Deputy State Building Inspector, Office of State Building Inspector, DAS

This lecture will discuss the requirements for building permits within the State of Connecticut along with building permit process as it pertains to the administration chapters of the International Building and International Residential Codes portions of the State Building Code.

### 11. Basics of Sustainability and LEED Design

Ross G. Spiegel, FAIA, FCSI, CCS, CCCA, LEED AP BD+C | Associate Senior Specification Writer/Green Team Leader, Fletcher-Thompson

The word "sustainability" has become part of our everyday language. However, it means different things to different people. In this session the basics of sustainability and how the use of the U.S. Green Building Council's LEED Green Building Rating System in the design of a project can demonstrate the project's sustainability will be presented. How Connecticut High Performance Buildings requirements can further sustainability goals will also be discussed.

### 12. Blower Door and Duct Testing

Peter Harding, President, Home Energy Technologies, LLC

All new residential construction in Connecticut must demonstrate compliance with the new State energy code provisions for air sealing and duct leakage. The 2009 IRC and IECC standards are only a first step in raising the bar on these measures, and builders and building officials need to understand how to cost-effectively meet future standards. This presentation will cover the 2009, 2012 and 2015 energy code standards; how air sealing and duct sealing improve comfort, air quality and energy efficiency; how air sealing and duct sealing are measured; test procedures including demonstrations of blower

door and duct testing equipment; design and specification guidelines; and common failure points and how to prevent them.

### 13. Venting High Efficiency Equipment

Morgan Leonard, President, and Steve Kelly, Heating Product Manager, E.W. Leonard Company

Today's High efficiency heating equipment requires vent systems that are capable of handling fuel gases as well as condensate. The solution has been the use of plastic pipe. But is all plastic pipe created equal? PVC and CPVC have been used widely, but are not designed for that application. This presentation will discuss vent systems and material of construction in an effort to assist in the selection and proper installation of safe, effective systems.

### 14. Fire-Resistance-Rated Construction - A Primer on IBC Chapter 7

Gregory Grew, AIA, Architect, Building Official, CEO Grew Design Inc

This seminar is a primer to Chapter 7 Fire-Resistance-Rated Construction of the International Building Code. It will cover the key provisions that govern the materials and assemblies used for structural fire resistances and fire-resistance-rated construction separation of adjacent spaces to safeguard against the spread of fire and smoke within a building and the spread of fire to and from buildings.

### PANEL PRESENTATION

#### Getting Things Done - Working through the Building Code Permit and Inspection Processes: Questions and Answers

- Mary Ann Basile President, Connecticut Building Officials Association
- Frank J. DaCato Training Coordinator, Plumbers and Pipefitters Local 777 JATC
- Kathy LaCombe, AIA, Building Official, Town of Preston
- Dan Loos, Director, Office of Licenses and Inspections, City of Hartford
- Eric Schoonmaker, Registered Interior Designer, Owner and Principal, EMS Design
- Dan Tierney, Deputy State Building Inspector, Office of State Building Inspector, DAS