

NAUGATUCK VALLEY COMMUNITY COLLEGE
750 CHASE PARKWAY
WATERBURY, CT 06708

D.E.S.I.G.N and TRADES CONFERENCE

2010 • 9TH ANNUAL

CODE-RELATED
EDUCATIONAL
CONFERENCE
FOR
DESIGN AND
TRADE
PROFESSIONALS

State of Connecticut, Department of Public Safety

OFFICE OF EDUCATION & DATA MANAGEMENT

CONFERENCE SCHEDULE

7:00 am	Registration Check-In Exhibit Viewing
8:00 am	Welcoming Remarks
8:10 am	Keynote Address
9:15 am	Session I Workshops
10:50 am	Refreshment Break Exhibit Viewing
11:35 am	Session II Workshops
1:05 pm	Conference Concludes

Our preferred method of registration is fax or email.

Fax: 860.685.8611

Email: kimberly.karas@po.state.ct.us

CONFERENCE FEATURES

- New keynote presentation format
- Twelve 90-minute workshops offered throughout the morning
- Workshop presenters are noted experts
- Exhibits from leading vendors and agencies
- Up to four Continuing Education Credits available
- Refreshments provided
- No registration fee for participants

BENEFITS OF PARTICIPATION

- Stay up-to-date on Connecticut State Building Code
- Learn about new trends in design and build
- Attend two workshop sessions that are of interest to you
- Share ideas with others in your field
- Get answers to your specific code questions
- View products and services from a variety of exhibitors

REGISTRATION FORM

When submitting your registration, please fax or mail this page only. Thank you.

Please select one class from Session One and one class from Session Two.

Name _____

Company _____

Mailing Address _____

Phone _____

Email Address _____

Your profession:

- | | |
|---|--|
| <input type="checkbox"/> Architect | <input type="checkbox"/> HVAC Tech |
| <input type="checkbox"/> Code Official | <input type="checkbox"/> Interior Designer |
| <input type="checkbox"/> Electrician | <input type="checkbox"/> Landscape Architect |
| <input type="checkbox"/> Engineer | <input type="checkbox"/> Major Contractor |
| <input type="checkbox"/> H I Contractor | <input type="checkbox"/> Plumber |
| | <input type="checkbox"/> Other: _____ |

Mail: DPS, OEDM, 1111 Country Club Road, Middletown, CT 06457

Session One Workshops

- A User's Guide to UL Construction Designs & Services
- Building Code Updates
- Egress Doors and Egress Door Hardware
- I-Code Requirements for Hurricane Resistant Construction
- Residential Solar Power— From Plan Review to Final Inspection
- Structural Wood Screws

Session Two Workshops

- Change of Use Occupancy—From Factory to Residential
- Green Homes Optimization: Diversity in Sustainable Strategies
- No More Gas Fires? What are NFPA 54 and NFPA 58 Doing?
- Retaining Wall Design and Construction
- The Top Ten Reasons Why Plans Don't Pass Review
- What Every Electrician Needs to Know About the Building Codes

Keynote Address

Legal Issues Affecting Design and Trade Professionals

Attorney Dicine will discuss various Connecticut General Statutes, regulations and safety codes as they pertain to the obligation of the architect, engineer, designer, contractor, builder and trade professional; with the focus on compliance with the Connecticut State Building Codes. *Judith R. Dicine, J.D., Supervisory Assistant State's Attorney, Connecticut Office of the Chief State's Attorney, Housing Matters*

Session One Workshops

A User's Guide to UL Construction Design & Services

This presentation will provide design professionals, contractors and code officials with information about UL certifications and resource services relative to UL construction designs, details, code correlation and technical assistance services to help achieve safe, code compliant installations using UL certified products. *John Bender, Underwriters Laboratories*

Building Code Updates

This seminar will provide information on the 2009 Amendments to the 2003 International Building Code Portion of the 2005 Connecticut State Building Code, including overviews and discussions on modifications, clarifications and updates to code administration, use and occupancy classifications, general building height and area, fire-rated construction, fire protection systems, egress, accessibility, existing structures and more. *Lisa Humble, Department of Public Safety*

Egress Doors and Egress Door Hardware

This course will provide information about the requirements governing egress doors, locks and latch release mechanisms, as well as the provisions for special locking arrangements, compliant and non-compliant doors and door hardware. *Joe Versteeg, Versteeg Associates*

I-Code Requirements for Hurricane Resistant Construction

This presentation will provide an overview of the requirements related to hurricane protection of residential and commercial structures. Impacts of high winds, waves and flooding on structures will be presented, as well as the prescriptive requirements for high-wind and flood design and construction. *Bruce Johnson, International Code Council*

Residential Solar Power - From Plan Review to Final Inspection

The presentation will focus on the permit process, covering the information required on the permit application, structural considerations and electrical plan review. The program will relate to the field inspection of a sample PV system, and include proper grounding of the solar array, conductors and connections for the ambient conditions, overcurrent protection, AC and DC switches and panelboard sizing and labeling. Licensing requirements for solar installers will be discussed. *Fred Mertz, City of Bristol*

Structural Wood Screws

This seminar provides an introduction to "Screwology"; a primer of screws, wood species and loads involved in wood frame construction. It will present a review of structural wood fasteners, nails, wood screws, lags and through bolts, with a focus on Structural Wood Screws, as well as a close up of three specific applications specific to Connecticut Building Code. *Brice Hereford, FASTENMASTER*

Session Two Workshops

Change of Use Occupancy—From Factory to Residential

This presentation will outline the application of Chapter 34 of the IBC portion of the Connecticut Building Code, the IEBC portion of the Connecticut Building Code, and Parts III and IV of the Connecticut Fire Safety Code as they relate to a change of occupancy from factory to residential, as a case study of change of occupancy. *Bruce J. Spiewak, Consulting Architect, LLC*

Green Homes Optimization: Diversity in Sustainable Strategies

This program will review the criteria for a Green Home, site, water and energy use, air quality, and materials, Envelope/insulation, natural daylighting, windows, appliances/fixtures, lighting, recyclable/renewable materials, building reuse/additions, construction waste, space and water heating, wood energy, passive solar, photovoltaics, wind, and a focus on geother-

mal systems will be presented through numerous case studies. *George Fellner, Fellner Associate Architects*

No More Gas Fires? What are NFPA 54 and NFPA 58 Doing?

This seminar will cover both major changes proposed for the 2011 edition of NFPA 58, which is coming out in September, and proposed changes in the 2012 edition of NFPA 54, which will be available in September, 2011, and an overview of the requirements of both documents. *Theodore C. Lemoff, National Fire Protection Agency*

Retaining Wall Design and Construction

All retaining walls pose unique design and install challenges that may require special engineering and construction considerations to ensure stability against overturning, sliding, excessive foundation pressure and water uplift. This program will discuss design and construction methods of retaining walls that would insure code compliance and long-term strength, integrity and performance. *George Beiter, Techo-Bloc Corp.*

The Top Ten Reasons Why Plans Don't Pass Review

In a format reminiscent of late-night television, this seminar will explore the top reasons why plan reviews result in failure. Told from the perspective of the Building Official, the presentation will incorporate real scenarios typically faced when applying for a permit. What documentation is required, what approvals have been acquired, what information is on the submitted documents, what handicapped documentation for inside and outside the building has been submitted? These and other questions will be addressed. *David Jolley, Town of Cromwell*

What Every Electrician Needs to Know About the Building Codes

Every electrician needs to know the NEC inside out, but there are several other building codes that impact the work electricians do. This seminar will summarize those sections of the building codes that pertain to the electrical installation. The electrical sections of the 2003 International Building Code, the 2003 International Energy Conservation Code, the 2003 ANSI Accessibility Code the 2003 International Residential Code will be covered in this seminar. *Earl Dean, IQ Electrical Training*

D. George Beiter, *Northeast Regional Sales Director, Techo-Bloc Corp.*

Mr. Beiter has more than eight years of experience in the Hardscape industry. He earned a BS in Economics from the US Naval Academy and a MBA from the University of Phoenix. He is a Level I Certified Installer with the Interlocking Concrete Pavement Institute and has earned a Segmental Retaining Wall Installer Certification from the National Concrete Masonry Foundation.

John F. Bender, PE, FSFPE, *Northeast Regional Representative*

for Underwriters Laboratories Inc., Regulatory Services Department

Mr. Bender serves as a technical liaison with fire and building code authorities for regulatory support with UL Laboratories. He is a member of the National Fire Protection Association, past President of the International Fire Marshals Association and past Chair of the National Board for Coordination of Model Codes. Mr. Bender is active with the Society of Fire Protection Engineers, and is a member of the International Code Council, International Association of Fire Chiefs, and Maryland Fire Chiefs Association. He holds a BS in Fire Protection Engineering from the University of Maryland, and is a graduate of the Executive Fire Officer Program at the National Fire Academy.

Earl C. Dean, *Trainer, IQ Electrical Training*

Mr. Dean is a well-known educator of Connecticut's building and electrical inspectors. He taught building code to building officials for nine years for the State of Connecticut, and taught post-high school electricity classes for evening apprenticeship programs for the last 22 years. Since his retirement from the state in 2009, Earl has focused his energies toward teaching electrical code and safety continuing education classes. He is licensed with the State of Connecticut as an Electrical Contractor (E-1), Electrical Inspector and Building Official. Earl is also certified with the International Code Council as a Master Code Professional. There are less than 200 persons so certified in the United States.

Judith R. Dicine, J.D., *Supervisory Assistant State's Attorney,*

Connecticut Office of the Chief State's Attorney, Housing Matters

Attorney Dicine is certified by the State of Connecticut Police Officer Standards and Training Council as a Law Enforcement Instructor, and has presented safety and housing code enforcement trainings for fire, building, health, housing and zoning enforcement officials for numerous state agencies and professional associations. Attorney Dicine is dedicated to assisting code officials in performing their duty of achieving and maintaining decent, safe and sanitary housing through code compliance.

George Fellner, AIA, LEED AP, Principal, Fellner Associate Architects

Mr. Fellner serves as the Co-Chairman of the AIA CT Committee on the Environment, and regularly gives presentations on architecture, sustainable design, and the environment. He presented the program: *Geothermal Systems - An Alternative Strategy for Sustainability* at the AIA 2008 National Convention. His East Haddam house design and photographs are featured in the recently published book: *Green Homes: Dwellings for the 21st Century* by E. Ashley Rooney.

Brice Hereford, *Lok Product Manager, FASTENMASTER*

Mr. Hereford has been employed with FASTENMASTER, an American manufacturer of Structural Wood Screws, for five years. He has been instrumental in working with builders, architects and engineers around the country in seeking more cost-effective and stronger connections using Structural Wood Screws versus traditional fasteners. Mr. Hereford recently earned a certificate in Sustainable Design from Boston Architectural College.

Lisa Humble, AIA, NCARB,

State Building Inspector, Department of Public Safety

Mrs. Humble was appointed to the Office of State Building Official in 2008. She has held positions with the State Department of Public Works, Connecticut Department of Economic and Community Development, and the Department of Public Safety. Mrs. Humble is a registered Connecticut Architect, licensed Building Official and a certified Fire Official. She is a graduate of The Rhode Island School of Design with a Bachelor of Architecture and Bachelor of Fine Arts and Hartford State Technical College with an Associate of Science.

Bruce Johnson, *Regional Manager – State and*

Local Government Relations, International Code Council

Mr. Johnson has a diverse background in building and fire code administration and enforcement; fire suppression; incident command; training and management. He is currently a part-time Deputy Fire Chief Instructor for the Suffolk County Fire Academy, and a Fire Science Instructor at SUNY-Empire State College. Mr. Johnson has over 30 years experience as a volunteer firefighter, company and Chief Officer and is a Nationally Certified Fire Instructor, Nationally Certified Fire Investigator and New York State certified Fire and Building Code Official. He holds a MS in Business Administration, a BS in Accounting, and a BS in Fire Service Administration.

David Jolley, *Chief Building Official, Town of Cromwell*

Mr. Jolley has worked in Cromwell's Building Department since 1988. He has extensive experience in framing, house building, surveying, and post and beam construction. Mr. Jolley has served on the Building Code Training Council for five years, representing the Connecticut Building Officials Association. He holds an Associates Degree in Building Technology from S.U.N.Y. at Delhi, New York.

Theodore C. Lemoff, *Principal Gases Engineer,*

National Fire Protection Agency, Division of Engineering

Mr. Lemoff represents NFPA on industry committees, speaking on Codes and Standards of gases. He serves on the Department of Transportation Technical Pipeline Safety Advisory Committee, and holds a BA in Chemical Engineering from City College of New York and an MBA from Xavier University. Mr. Lemoff is an affiliated member of the Society of Fire Protection Engineers, the American Institute of Chemical Engineers, the American Society of Plumbing Engineers and the International Plumbing and Mechanical Officials. He is the editor of the Liquefied Petroleum Gases Handbook and National Fuel Gas Code Handbook.

Many thanks to Naugatuck Valley Community College (NVCC) for hosting our conference this year. The accommodations at NVCC allow for larger workshops, a better learning environment and the opportunity to provide a keynote address.

INSTRUCTOR BIOS *CONTINUED*

Fred Mertz, *Electrical Inspector, City of Bristol*
Mr. Mertz has more than 30 years of experience in the electrical industry. He is a Connecticut licensed Building Official and Electrical Inspector, and holds Master Electrician licenses in both Virginia and Connecticut. Mr. Mertz is certified by the International Association of Electrical Inspectors as a Master Electrical Inspector. Fred, together with Earl Dean, owns IQ Electrical Training which provides Continuing Education services to Connecticut licensed electricians.

Bruce Spiewak, *AIA, Principal, Bruce Spiewak, AIA, Principal, Consulting Engineers, LLC*
Mr. Spiewak holds degrees in Architecture from the University of Pennsylvania, Syracuse and Columbia Universities. In his over 30 years of architecture experience, Mr.

Spiewak has served as Commissioner of the AIA CT Building Performance and Regulations Commission, President of AIA CT, and is a founding member of the ICC Professional Chapter of Connecticut, Inc. He coordinates and participates in seminars and teaches his craft at Connecticut colleges and universities. He is a licensed Building Official for the State of Connecticut and a member of the Connecticut Building Officials Association and the Connecticut Fire Marshals Association.

Joseph Versteeg, *Fire Protection Consultant, Versteeg Associates*

Mr. Versteeg specializes in building and fire codes and accessibility compliance through building surveys and review of architectural plans. He was formerly with the Connecticut State Fire Marshals Office where he

served as an Inspector, Supervisor and Chief of the Technical Services Section. Currently, he serves on numerous technical committees for the National Fire Protection Association and International Code Council. He instructs seminars on fire protection, building construction and fire safety throughout the United States and internationally. He is a certified Fire Marshal and licensed Assistant Building Official in the State of Connecticut.



EXHIBITORS

A + A OFFICE SYSTEMS, INC.
Middletown, CT

CEDAR SHAKE AND SHINGLES BUREAU
Sumas, WA

CONNECTICUT CONCRETE PROMOTION COUNCIL
Wethersfield, CT

CONNECTICUT DEPARTMENT OF CONSUMER PROTECTION
Hartford, CT

CONNECTICUT DEPARTMENT OF PUBLIC HEALTH
Hartford, CT

CONNECTICUT OSHA
Wethersfield, CT

EYE ON THE JOB, LLC
Norwich, CT

FASTENMASTER
Agawam, MA

GREEN ENERGY SAVER, LLC
Canton, CT

HARVEY BUILDING PRODUCTS
Waltham, MA

IQ ELECTRICAL TRAINING
Griswold, CT

NEW ENGLAND CONCRETE SUPPLY /PURINTON BUILDERS
East Granby, CT

SIMPSON STRONG-TIE
Blanford, MA

US DEPT. OF LABOR
Bridgeport, CT

WILCO SALES & SERVICE, INC.
Fairfield, CT

In an effort to be fiscally responsive to the state budget, we ask you to please **print your conference handouts at your computer and bring them with you** on March 18th for the workshops you would like to attend. Handouts can be found at www.ct.gov/dps, [Education and Data Management](http://www.ct.gov/education), [Allied Trades & Design Professionals](http://www.ct.gov/allied) page. Thank you for your cooperation with this procedure.

For continuing education credit for individual seminars, AIA members may report the hours using the Self Report Form. Visit www.aia.org for forms and details.

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

DIRECTIONS

Traveling Route 8

Take the Danbury exit onto I-84, then first exit off I-84 (exit 18). Bear left at the fork (toward West Main Street) and take a left at the light onto West Main Street. West Main Street becomes Chase Parkway at the first light. Go to the third light for the West Entrance.

Traveling Route I-84 West

Take exit 18, bear left at the fork (toward West Main Street) and take a left at the light onto West Main Street. West Main Street becomes Chase Parkway at the first light. Go to the third light for West Entrance.

Traveling Route I-84 East

Take exit 18. At light take a right and at next light take a right. Go over bridge and at light take a left onto Chase Parkway. Go to the second light for the West Entrance.

The West Entrance will take you to garage parking, and Kinney Hall, Fine Arts Center, Student Center, Library and Ekstrom Hall. **Registration will be in the Auditorium Lobby of the Fine Arts Center.**