



2012

**BUILDING
SAFETY
CONFERENCE**
of New Jersey

Wednesday, May 9
Thursday, May 10
Friday, May 11

BALLY'S ATLANTIC CITY
Atlantic City, NJ

RUTGERS
Continuing Studies

Building Safety Conference of New Jersey
31st Annual Spring Conference
Wednesday, Thursday, & Friday, May 9-11, 2012
Bally's

Conference Schedule

Wednesday, May 9, 2012

4:00PM-7:00PM	REGISTRATION	Conference Floor
6:00PM-8:00PM	CRACKERBARREL Roundtable discussions on various topics. Get your questions answered by the experts.	Grand Ballroom Conference Floor

Thursday, May 10, 2012

6:15AM-8:15AM	REGISTRATION	Conference Floor
6:00AM-7:45AM	BUFFET BREAKFAST	Ocean Ballroom Conference Floor
8:00AM-11:45AM	CONTINUING EDUCATION SEMINARS	
12:00PM-2:00PM	AWARDS LUNCHEON Annual event to honor Inspectors of the Year and Technical Assistant of the Year.	Traymore Ballroom Conference Floor – (Ticket required)
2:00PM-4:00PM	CONTINUING EDUCATION SEMINARS	
4:00PM-5:00PM	ASSOCIATION MEETINGS (if scheduled)	



7:00PM-10:00PM AWARDS RECEPTION

Ocean Ballroom

Boardwalk Beach Party!



Come celebrate with the recipients of the Inspectors and Technical Assistant of the Year awards in a tropical atmosphere filled with all the sounds of the good old Jersey Shore!

CenterStage Entertainment will help get us in the beach mood with songs, contests and giveaways inspired by memories of beach parties old and new.



They've even provided a link to request your favorite songs! Please enter this link in your internet browser and, when prompted, use the password: gevelo to browse their music library, select requests, and include special notes about the requests you make for that special song for the reception this year!

<http://centerstageent.net/requests.asp?djidnumber=2936>

Don't forget to help set the mood by wearing your best (and appropriate) beach/Hawaiian apparel!



Friday, May 11, 2012

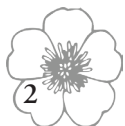
6:15AM-8:15AM REGISTRATION

Conference Floor

6:00AM-7:45AM BUFFET BREAKFAST

Ocean Ballroom
Conference Floor

8:00AM-1:00PM CONTINUING EDUCATION SEMINARS



Spouses' Registration Events

Wednesday, May 9, 2012

4:00PM-7:00PM
6:00PM-8:00PM

REGISTRATION
WELCOME

Conference Floor
Bally Room
Conference Floor

A Night with the Chefs at Bally's

Join us as the Culinary Team at Bally's shows how to add flair and flavor to everyday dishes. The focus of the evening will be on preparation and presentation - how to add that something special to the ordinary menu, making it the extraordinary!

There will be time for questions as well as a sampling of their works! Recipes will be provided.

Thursday, May 10, 2012

6:15AM-8:15AM

REGISTRATION

Registration Booth - Conference Floor

6:00AM-7:45AM

BUFFET BREAKFAST

Ocean Ballroom
Conference Floor

12:00PM-2:00PM

AWARDS LUNCHEON

Traymore Ballroom
Conference Floor

Annual event to honor Inspectors of the Year and Technical Assistant of the Year.

7:00PM-10:00PM

AWARDS RECEPTION

Ocean Ballroom

Boardwalk Beach Party!

Come celebrate with the recipients of the Inspectors and Technical Assistant of the Year awards in a tropical atmosphere filled with all the sounds of the good old Jersey Shore!



CenterStage Entertainment will help get us in the beach mood with songs, contests and giveaways inspired by memories of beach parties old and new.

See more information on page 2.



CONTINUING EDUCATION SEMINARS

Friday, May 11, 2012

6:00AM-7:45AM

BUFFET BREAKFAST

Ocean Ballroom
Conference Floor

Enjoy Atlantic City

Spend your leisure time shopping, walking the Boardwalk or just relaxing.



Many of the following seminars are available through the regular Spring 2012 education program, and some have been offered in previous semesters. Please select carefully, as credit will not be given for any seminar which has already been completed. The Division of Fire Safety will award reciprocal credit for those seminars marked with a flame icon 🔥. The Board of Electrical Contractors will award reciprocal credit for those seminars marked with a bolt icon ⚡. Approval for reciprocal credit with the Board of Electrical Contractors is pending for the electrical seminars without the lightning bolt.

ADMINISTRATIVE SEMINARS

A475 🔥 NEW CONFLICT OF INTEREST/ ETHICS FOR THE CODE OFFICIAL

Instructor: Ethics Law Consulting Services
May 11

The material presented in this seminar reveals important information regarding common ethics violations such as conflicting business interests, abuse of office, unwarranted privileges, incompatibility of offices, post employment restrictions, representation prohibitions and nepotism. Participants will learn about circumstances that lead to ethical lapses in judgment and gain insight regarding the dangers of gifts, favoritism and impaired objectivity. Attendees will be encouraged to follow the high standards of trust, honor, duty, respect and transparency in the performance of their duties. 0.5 CEU

A477 🔥 NEW CONSTRUCTION OFFICE: MANAGEMENT AND BUDGET

Instructor: Gary Lewis
May 11

In addition to understanding codes and standards, successful UCC administration requires a deep

understanding of municipal budgeting, procurement, employment policy, and personnel management. This seminar is geared toward the existing administrative team in the Construction Office. Participants will gain a fuller understanding of municipal budget preparation and procurement, dedication by rider, employment policy and employee evaluations. In addition, the requisition/purchase order process in local government financing will be reviewed. 0.5 CEU

A478 🔥 NEW ABC'S FOR UCC

Instructor: Lynn Mizer and Valerie Waricka
May 11

This seminar is designed for all municipal personnel. Participants will learn a creative way of going through the alphabet and touching on different aspects of the building department operation and their responsibilities. Students will have a much clearer and concise idea of the administrative process and code enforcement for each topic with respect to the UCC. 0.5 CEU



A479  **NEW**
**PRIMARY FUNDAMENTALS FOR
PRIOR APPROVALS**

**Instructor: Lynn Mizer and Valerie
Waricka**

May 10

The goal of this seminar is to define the responsibilities and duties in the complex review process. Participants will benefit by learning the process involved prior to a permit being issued and receiving a final Certificate of Occupancy. Topics to be discussed include the prior approvals for planning board, zoning, board of health, water/sewer authority, engineering, soils, architectural, licensing, and checklists. All prior approvals and how each component comes together when issuing a permit will be discussed in detail. Actual examples of documents will be used to explain their role in the permit process. 0.5 CEU

A480  **NEW**
**ADMINISTRATIVE TOOL KIT FOR
THE UCC**

Instructor: Richard Osworth

May 10

In today's world, local officials are required to multi task and to do more with less. This seminar reviews current regulations and methodologies to assist the local official with establishing a comprehensive management tool kit. The specific tools are personnel management, cost analysis, staffing allocations, working within different organizations, interlocal cooperation, and conflict of interest and ethics. The seminar participants will build an organizational chart, develop job descriptions, personnel evaluations,

and staffing requirements for a medium sized local enforcing agency. The basic tools of these tasks will be presented and discussed with samples based on current laws and regulations. 0.5 CEU

D156/A482  **NEW**
**FROM PLAN REVIEW TO
CERTIFICATE OF OCCUPANCY**

Instructor: Jack Boekhout

May 10

A building inspector's job encompasses a variety of duties, including plan review, inspection, and working with the public. This course is designed to help the building inspector save time by using available tools, such as check lists, charts and high-tech equipment, and to encourage participants to share ideas that work so that all may benefit. **Participants have the option of receiving building subcode (B607) duplicate credit for completion of this administrative seminar.** 0.5 CEU

BUILDING SEMINARS

B524
**IRC/IBC STUCCO INSTALLATION
REQUIREMENTS
AND CODE CHANGES**

**Instructor: Frank Hendron, Northeast
Inspection Corporation**

May 11

Dramatic changes in the requirements for the application of hard-coat stucco occurred with the transition from the 2003 IRC to the 2006 IRC. The two ASTM Standards, ASTM C-1063 and ASTM C-926, were incorporated in their entirety into the 2006 code. This

seminar includes nearly all of the major segments of the standards. It is explained that both of these standards are also in the IBC and the impact for inspectors/code officials is almost the same for both codes. The seminar covers the integration of water resistive barriers and flashing requirements, as they are an integral part and known failure point in the stucco application history. The seminar addresses changes on both the 2009 codes and the proposed changes in the 2012 codes. 0.5 CEU

D131/B546  **NEW**
**RESIDENTIAL SPRINKLER
SYSTEM INSTALLATION
WORKSHOP**

Instructor: Blazemaster

May 11

This course will be presented in three modules that will total five hours. The modules are described as: Fire Sprinkler 101, history of fire sprinklers, how a fire sprinkler system works, types of fire sprinklers, sprinkler codes, associations, the design/installation basics, and manufacturers of CPVC piping systems. There will be an introduction to the IRC P2904 prescriptive method to determine fire sprinkler pipe size, and basic review of hydraulic calculation factors presented on any fire system design. The seminar will include installation training, listings and approvals, advantages of CPVC, design parameters, health/safety, concealed vs. exposed, risers, cut/joint-solvent welding, freeze protection, and hands-on solvent welding exercise. **Participants have the option of receiving fire subcode (F395) and plumbing subcode (P151) duplicate credit for completion of this technical seminar.** 0.5 CEU

D148/B579
**2009 IECC PERFORMING
RESIDENTIAL ENERGY
INSPECTIONS**

**Instructor: James Quigley,
International Code Council**

May 10

This course addresses numerous provisions in the 2009 International Energy Conservation Code, where the code contains requirements applicable to construction and inspection of residential construction, but that are not regulated specifically by the International Residential Code. The course is intended to help Code Enforcement Officials identify areas to inspect on the site that were approved in the review and ensure compliance with the IECC. Working knowledge of 2009 IECC is a prerequisite for this course. Participants have the option of receiving electrical subcode (E165) duplicate credit for completion of this technical seminar. 0.5 CEU


D149/B580 
**2009 IFGC / IMC DESIGN,
INSTALLATION AND INSPECTION
PRINCIPLES**

**Instructor: James Quigley,
International Code Council
May 11**

This seminar discusses critical concepts of the 2009 International Fuel Gas Code. It provides a basis for the correct use of the code in the design, plan review, inspection, and analysis of projects. In addition, students will gain a clear understanding of correct use of the requirements identified by basic code provisions, tables and topics. Information provided allows code users to apply the code in clear-cut situations and build their understanding of the intent of the code when asked to make code compliance decisions. This seminar also highlights key provisions of the 2009 International Mechanical Code and provides practice in applying key requirements. It reinforces learning by supplying immediate feedback or clarification. It walks participants through the content outline of the code book and describes key sections. Participants have the option of receiving fire subcode (F426), plumbing subcode (P161), and mechanical subcode (M078) duplicate credit for completion of this technical seminar. 0.5 CEU

B595 NEW
**DECK, PORCH, BALCONY
FRAMING CONNECTION**
**Instructor: Norm Hall, Simpson
Strong-Tie
May 10**

This seminar is a detailed overview of the structural code requirements based on the IRC, IBC and/or AF&PA Wood Frame Construction manual, followed by an overview of structural products developed to satisfy those codes and to do so at the lowest installed cost. Special focus of the seminar will help inspectors with their framing inspections to recognize missinstallations and proper use of structural connectors. This course thoroughly covers all aspects of deck construction, with code references and solutions for each subject covered. 0.5 CEU


D160/B598  **NEW**
**THE NJ REHABILITATION
SUBCODE FOR BUILDING AND
FIRE PROTECTION INSPECTORS**
**Instructor: James Foran
May 11**

This seminar provides an in-depth analysis of the Building and Fire Protection Inspector's duties. In addition to reviewing the technical aspects of the Rehabilitation Subcode, real-life situations concerning the code will be discussed. These scenarios will be provided by the instructor and discussed by the participants using their daily experiences as material. The seminar also covers plan review and field inspection issues; issuance of permits and various certificates; relationship of the Rehabilitation Subcode to the other Subcodes under their jurisdiction. It is recommended that students attended

the "Rehabilitation Subcode" seminar in the past. **Participants have the option of receiving fire subcode (F435) duplicate credit for completion of this technical seminar.** 0.5 CEU

D167/B605 NEW
**ALL YOU CAN LEARN ABOUT
MOLD IN A SINGLE DAY**
**Instructor: LEW Corp.
May 11**

Mold is often encountered in dwellings, affecting the health of the occupants and the structure itself. Moisture control is the most important strategy to control mold. Moisture measurements and the concepts are defined. The effects of sealed buildings, leaking ducts, pressurization, and the attic ventilation systems are investigated. Eliminating moisture intrusion is discussed. Sampling strategies are reviewed, as well as case histories brought in by the class attendees. Finally, mold remediation prescriptions will be presented. **Participants have the option of receiving hotel multiple dwelling subcode (H035) duplicate credit for completion of this technical seminar.** 0.5 CEU


D156/B607  **NEW**
**FROM PLAN REVIEW TO
CERTIFICATE OF OCCUPANCY**
**Instructor: Jack Boekhout
May 10**

A building inspector's job encompasses a variety of duties, including plan review, inspection, and working with the public. This course is designed to help the building inspector save time by using available tools, such as check lists, charts and high-tech equipment,

and to encourage participants to share ideas that work so that all may benefit. **Participants have the option of receiving administrative subcode (A482) duplicate credit for completion of this administrative seminar.** 0.5 CEU

D170/B608 NEW
**EXTERIOR INSULATION
FINISHING SYSTEMS TESTING,
INSPECTION AND INSTALLATION**
**Instructor: Frank Hendron, Northeast
Inspection Corp
May 10**

Substantial changes for the Exterior Insulation Finishing Systems have been added to the IRC in section 703.9 and 1408 in the IBC. The two ASTM standards E-2568 and E-2273 are reviewed in great detail as they are now part of the 2009 code. This seminar will also address barrier EIFS and EIFS with drainage which is new to many inspectors since most of the changes occurred in the 2006/2009 codes. **Participants have the option of receiving special inspector subcode (SE01) duplicate credit for completion of this technical seminar.** 0.5 CEU

D139/B610  **NEW**
**COMMERCIAL COOKING
APPLIANCES, EXHAUST SYSTEMS,
AND FIRE SUPPRESSION – THE
TOTAL VIEW**
**Instructor: David Phelan, Davidson
Code Concepts
May 10**

This course focuses on the 2009 code changes and new technologies being installed for commercial cooking and ventilation. Kitchen exhaust systems



and technology have undergone many changes in the last code cycle which have given rise to confusion and misapplication of code provisions. This course looks to dispel some of the myths that occur and bring an updated understanding to the design and installation of these systems. It is designed as a total system approach covering a commercial cooking installation start to finish. Participants have the option of receiving mechanical subcode (M074) and fire subcode (F413) duplicate credit for completion of this technical seminar. 0.5 CEU

ELECTRICAL SEMINARS

E156 ⚡ **GROUNDING AND BONDING OF ELECTRICAL SYSTEMS AND EQUIPMENT**

Instructor: Tom Pernal Electrical Seminars, LLC.

May 11

This seminar provides installers, inspectors and design professionals with the knowledge to perform plan review, design, and inspection for proper grounding and bonding of electrical systems, services, feeders, and equipment. Soares Book of Grounding and Bonding (IAEI PowerPoint Presentation) Chapter 3 through 10 is the primary source of content for this seminar. NEC Article 250 Parts I-VII and other related Articles and Sections are also referenced for examples, calculations, and worksheets. 0.5 CEU

D148/ E165 **2009 IECC PERFORMING RESIDENTIAL ENERGY INSPECTIONS**

**Instructor: James Quigley,
International Code Council**

May 10

This course addresses numerous provisions in the 2009 International Energy Conservation Code, where the code contains requirements applicable to construction and inspection of residential construction, but that are not regulated specifically by the International Residential Code. The course is intended to help Code Enforcement Officials identify areas to inspect on the site that were approved in the review and ensure compliance with the IECC. Working knowledge of 2009 IECC is a prerequisite for this course. **Participants have the option of receiving building subcode (B579) duplicate credit for completion of this technical seminar. 0.5 CEU**

E174 NEW **ELECTRICAL PLAN REVIEW - STRATEGIC CHECKLIST FOR EVALUATING DISTRIBUTION SYSTEMS**

Instructor: Albert Cox and Joseph Bevacqua

May 11

Plan review and industry personnel will gain a clearer understanding of the review process that is so important in the approval of final plans and specs. Areas often overlooked during the design and review stages are addressed in this seminar. Six groups of critical areas have been identified and are emphasized as a part of this course. An overview of the necessary calculations involved in the design of distribution systems will be studied. In addition, a typical "One Line Diagram" is strategically reviewed. 0.5 CEU



Spouse's Registration

The 2012 Building Safety Conference will offer a spouse registration which includes the opportunity to attend any and all of the conference events you select below. Please indicate your choices for the Welcome Event, Breakfasts, Awards Luncheon, and/or the Awards Reception on the Registration Form below.

The registration fee for your spouse is \$125. To register for your spouse, please complete the Registration Form below, then detach and return it to us along with the Inspector's Registration Form and complete payment. (Make check payable to: **Building Safety Conference of New Jersey**) *For detailed registration instructions, please turn to the "Registration" section of this brochure. NOTE: Be sure to fill out this form completely, including the selection of ALL activities you will be attending.*

2012 Building Safety Conference Spouse's Registration Form

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Home Phone: _____

Name of inspector you are accompanying: _____

Inspector's UCC License No.: _____

Registration Form

Name: _____ UCC License No./Registration No.: _____
Spouse's Name (if Attending): _____
Address: _____
City: _____ State: _____ Zip: _____
Municipality: _____ Title: _____

PLEASE NOTE THAT THE MUNICIPALITY AND TITLE YOU LIST WILL BE ON YOUR CONFERENCE NAME BADGE

Daytime Phone: _____ Home Phone: _____ Email: _____

Please indicate which day(s) you will be attend the conference: May 9 May 10 May 11

Make check payable to **Building Safety Conference. Please note that no vouchers will be accepted after March 30, 2012.**

BE SURE TO CHECK ALL THE BOXES FOR THE EVENTS YOU WILL ATTEND:

1. **Crackerbarrel Roundtable session on May 9** (6:00 PM – 8:00 PM) YES NO
2. **Will your spouse be attending?** (If yes, please enclose the Spouse's Registration Form and payment) YES NO
3. **Breakfast on Thursday, May 10** (6:00 AM-7:45 AM) YES NO
4. **Awards Luncheon, Thursday, May 10** (12:00 PM-2:00 PM) (Ticket required) YES NO
5. **Awards Reception, Boardwalk Beach Party, Thursday, May 10** (7:00 PM-10PM) YES NO
6. **Breakfast on Friday May 11** (6:00AM-7:45AM) YES NO

Indicate your seminar choice(s) by marking an "A" (first choice) and a "B" (second choice) for each day you attend the conference.

Thursday, May 10

Administrative Seminars

- Administrative Tool Kit For The UCC(A480)
- Primary Fundamentals For Prior Approvals (A479)
- From Plan Review To Certificate Of Occupancy (D156/A482)

Building Seminars

- From Plan Review To Certificate Of Occupancy (D156/B607)
- Deck, Porch, Balcony Framing Connection (B595)
- 2009 IECC Performing Residential Energy Inspections (D148/B579)
- Exterior Insulation Finishing Systems Testing, Inspection And Installation (D170/B608)
- Commercial Cooking Appliances, Exhaust Systems, And Fire Suppression – The Total View (D139/B610)

Electrical Seminars

- 2009 IECC Performing Residential Energy Inspections (D148/ E165)
- Article 430 & 440 Conductors, Disconnects, And Protective Devices (E177)
- 2011 NEC - Analysis Of Changes (E176)

Fire Seminars

- Commercial Cooking Appliances, Exhaust Systems, And Fire Suppression – The Total View (D139/ F413)
- Fire Sprinkler Components: "A Hands On Approach" (F442)

Plumbing Seminars

- Backflow Protection, Anti-Scald Protection And Energy Code A-Z (P166)
- CPVC Piping Systems (P168)

Mechanical Seminars

- Commercial Cooking Appliances, Exhaust Systems, And Fire Suppression – The Total View (D139/ M074)

Multiple Dwelling Seminars

- Fundamentals of Automatic Sprinkler And Standpipe Systems (D140/H029)

Special Inspector

- Exterior Insulation Finishing Systems Testing, Inspection And Installation (D170/SE01)

Friday, May 11

Administrative Seminars

- ABC's For UCC (A478)
- Conflict Of Interest/Ethics For The Code Official (A475)
- Construction Office: Management And Budget (A477)

Building Seminars

- IRC/IBC Stucco Installation Requirements And Code Changes (B524)
- The NJ Rehabilitation Subcode For Building And Fire Protection Inspectors (D160/B598)
- Residential Sprinkler System Installation Workshop (D131/B546)
- All You Can Learn About Mold In A Single Day (D167/B605)
- 2009 IFGC / IMC Design, Installation And Inspection Principles (D149/B580)

Electrical Seminars

- Electrical Plan Review - Strategic Checklist For Evaluating Distribution Systems (E174)
- Grounding And Bonding Of Electrical Systems And Equipment (E156)

Fire Seminars

- The NJ Rehabilitation Subcode For Building And Fire Protection Inspectors (D160/ F435)
- Residential Sprinkler System Installation Workshop (D131/ F395)
- 2009 IFGC / IMC Design, Installation And Inspection Principles (D149/ F426)
- Fire Standpipe Systems (F441)

Plumbing Seminars

- Residential Sprinkler System Installation Workshop (D131/ P151)
- 2009 IFGC / IMC Design, Installation And Inspection Principles (D149/ P161)
- Natural Gas And LPG Gas Piping Systems (D176/P167)

Mechanical Seminars

- 2009 IFGC / IMC Design, Installation And Inspection Principles (D149/ M078)
- Natural Gas And LPG Gas Piping Systems (D176/ M081)

Multiple Dwelling Seminars

- All You Can Learn About Mold In A Single Day (D167/ H035)

PLEASE CHECK (✓) ALL THE ACTIVITIES YOU WISH TO ATTEND:

Wednesday, May 9, 2012

- Welcome Event - Bally Room (6:00PM-8:00PM)

Thursday, May 10, 2012

- Buffet Breakfast – Ocean Ballroom (Conference floor, *ticket required*) (6:00AM-7:45AM)
- Awards Luncheon (Conference floor, *ticket required*)-(12:00PM-2:00PM)
- Awards Reception and Boardwalk Beach Party (7:00PM-10:00PM)

Friday, May 11, 2012

- Buffet Breakfast – Ocean Ballroom (Conference floor, *ticket required*)-(6:00AM-7:45AM)

E176 NEW
2011 NEC - ANALYSIS OF
CHANGES

Instructor: International Association
of Electrical Inspectors

May 10

This seminar is an extensive and popular program analyzing the major changes to the NEC for the current code cycle. Members of the nineteen code making panels contributed to the development of the authoritative text. This seminar covers more than 400 of the most significant changes and includes interpretations by the group that enforces the NEC. At the conclusion of this seminar, the participants will learn uniform interpretation and application of NEC code rules; develop a better understanding of electrical safety rules and learn provisions to aid in the design and installation of electrical systems. 0.5 CEU

E177 NEW
ARTICLE 430 & 440
CONDUCTORS, DISCONNECTS,
AND PROTECTIVE DEVICES

Instructor: Tom Pernal Electrical
Seminars, LLC.

May 10

This seminar provides attendees with the knowledge to design, perform plan review, and conduct the inspection of branch circuit and feeder installations for motors, air-conditioning, and refrigerating equipment. NEC Articles 430 and 440 are the main sources of content for this seminar. NEC chapter 1-3 and other interrelated articles are also referenced and utilized for examples, sample calculations, and worksheets. 0.5 CEU

FIRE SEMINARS

D131/ F395 
RESIDENTIAL SPRINKLER
SYSTEM INSTALLATION
WORKSHOP

Instructor: Blazemaster

May 11

This course will be presented in three modules that will total five hours. The modules are described as: Fire Sprinkler 101, history of fire sprinklers, how a fire sprinkler system works, types of fire sprinklers, sprinkler codes, associations, the design/installation basics, and manufacturers of CPVC piping systems. There will be an introduction to the IRC P2904 prescriptive method to determine fire sprinkler pipe size, and basic review of hydraulic calculation factors presented on any fire system design. The seminar will include installation training, listings and approvals, advantages of CPVC, design parameters, health/safety, concealed vs. exposed, risers, cut/joint-solvent welding, freeze protection, and hands-on solvent welding exercise. **Participants have the option of receiving plumbing subcode (P151) and building subcode (B546) duplicate credit for completion of this technical seminar.** 0.5 CEU

D139/ F413 **COMMERCIAL COOKING APPLIANCES, EXHAUST SYSTEMS, AND FIRE SUPPRESSION – THE TOTAL VIEW**

**Instructor: David Phelan, Davidson
Code Concepts**

May 10

This course focuses on the 2009 code changes and new technologies being installed for commercial cooking and ventilation. Kitchen exhaust systems and technology have undergone many changes in the last code cycle which have given rise to confusion and misapplication of code provisions. This course looks to dispel some of the myths that occur and bring an updated understanding to the design and installation of these systems. It is designed as a total system approach covering a commercial cooking installation start to finish. **Participants have the option of receiving mechanical subcode (M074) and building subcode (B610) duplicate credit for completion of this technical seminar.** 0.5 CEU

D149/ F426 **2009 IFGC / IMC DESIGN, INSTALLATION AND INSPECTION PRINCIPLES**

**Instructor: James Quigley,
International Code Council**

May 11

This seminar discusses critical concepts of the 2009 International Fuel Gas Code. It provides a basis for the correct use of the code in the design, plan review, inspection, and analysis of projects. In addition, students will gain a clear understanding of correct use of the requirements identified by

basic code provisions, tables and topics. Information provided allows code users to apply the code in clear-cut situations and build their understanding of the intent of the code when asked to make code compliance decisions. This seminar also highlights key provisions of the 2009 International Mechanical Code and provides practice in applying key requirements. It reinforces learning by supplying immediate feedback or clarification. It walks participants through the content outline of the code book and describes key sections. **Participants have the option of receiving building subcode (B580), plumbing subcode (P161), and mechanical subcode (M078) duplicate credit for completion of this technical seminar.** 0.5 CEU

D160/ F435 **NEW THE NJ REHABILITATION SUBCODE FOR BUILDING AND FIRE PROTECTION INSPECTORS**

**Instructor: James Foran
May 11**

This seminar provides an in-depth analysis of the Building and Fire Protection Inspector's duties. In addition to reviewing the technical aspects of the Rehabilitation Subcode, real-life situations concerning the code will be discussed. These scenarios will be provided by the instructor and discussed by the participants using their daily experiences as material. The seminar also covers plan review and field inspection issues; issuance of permits and various certificates; relationship of the Rehabilitation Subcode to the other Subcodes under their jurisdiction. It is recommended that students attended the "Rehabilitation Subcode" seminar in

the past. **Participants have the option of receiving building subcode (B598) duplicate credit for completion of this technical seminar.** 0.5 CEU

F441 **NEW FIRE STANDPIPE SYSTEMS**

**Instructor: Davidson Code Concepts
May 11**

Fire standpipe systems are required in various buildings due to height above or below grade or large areas to assist fire personnel with deploying hose streams. This seminar reviews the requirements for installation for the model building codes as well as under the Rehab Subcode and Uniform Fire Code Retrofit. The NJ edition of the IBC has been specifically modified for this equipment and, as such, can cause confusion or error in the design of a system. The NJ modifications are addressed in this seminar. 0.5 CEU

F442 **NEW FIRE SPRINKLER COMPONENTS: "A HANDS ON APPROACH"**

**Instructor: NJ Fire Sprinkler Advisory
Board
May 10**

This seminar provides attendees with the understanding of the needs and requirements to inspect, test and maintain a fire protection system. The seminar is based upon NFPA 25 with the hands on approach. The Demo Trailer is used to simulate field conditions in which the systems are "live". The seminar covers the description, setup and operation of each system. To "trip" the systems, operation of sprinklers can be simulated or sprinklers can actually be operated. Sprinklers can be set up and activated,

showing spray distribution patterns and the flow characteristics between different types of sprinklers. The participants will be able to set, reset, and trip different types of fire protection systems including wet, dry, deluge, and preaction systems. This course is a combination of hands on activities and classroom time. Participants will have to walk between Demo Trailer parked outside and classroom. 0.5 CEU

PLUMBING SEMINARS

D131/ P151 **RESIDENTIAL SPRINKLER SYSTEM INSTALLATION WORKSHOP**

**Instructor: Blazemaster
May 11**

This course will be presented in three modules that will total five hours. The modules are described as: Fire Sprinkler 101, history of fire sprinklers, how a fire sprinkler system works, types of fire sprinklers, sprinkler codes, associations, the design/installation basics, and manufacturers of CPVC piping systems. There will be an introduction to the IRC P2904 prescriptive method to determine fire sprinkler pipe size, and basic review of hydraulic calculation factors presented on any fire system design. The seminar will include installation training, listings and approvals, advantages of CPVC, design parameters, health/safety, concealed vs. exposed, risers, cut/joint-solvent welding, freeze protection, and hands-on solvent welding exercise. **Participants have the option of receiving fire subcode (F395) and building subcode (B546) duplicate credit for completion of this technical seminar.** 0.5 CEU



D149/ P161 🔥
**2009 IFGC / IMC DESIGN,
INSTALLATION AND INSPECTION
PRINCIPLES**

**Instructor: James Quigley,
International Code Council
May 11**

This seminar discusses critical concepts of the 2009 International Fuel Gas Code. It provides a basis for the correct use of the code in the design, plan review, inspection, and analysis of projects. In addition, students will gain a clear understanding of correct use of the requirements identified by basic code provisions, tables and topics. Information provided allows code users to apply the code in clear-cut situations and build their understanding of the intent of the code when asked to make code compliance decisions. This seminar also highlights key provisions of the 2009 International Mechanical Code and provides practice in applying key requirements. It reinforces learning by supplying immediate feedback or clarification. It walks participants through the content outline of the code book and describes key sections. **Participants have the option of receiving fire subcode (F426), building subcode (B580), and mechanical subcode (M078) duplicate credit for completion of this technical seminar.** 0.5 CEU

P166 NEW
**BACKFLOW PROTECTION,
ANTI-SCALD PROTECTION AND
ENERGY CODE A-Z**

**Instructor: Fritz Reuss
May 10**

Backflow prevention and anti-scald compliance requirements are analyzed regarding code and manufacturers' installation requirements. Applications, manufacturers' installation criteria, listing and hazard prevention are discussed for code standard compliance throughout the seminar. Energy code requirements for the Plumbing Officials are also reviewed, including examples of compliance and non-compliance. 0.5 CEU

D176/P167 NEW
**NATURAL GAS AND LPG GAS
PIPING SYSTEMS**

**Instructor: Fritz Reuss
May 11**

Code and manufacturers' requirements for installation and sizing of natural gas and LPG gas delivery systems will be analyzed and discussed for new as well as renovation projects. Actual plan review and inspection areas are focused upon. In addition, the latest issues and concerns relative to these gas delivery systems, including CSST is highlighted and clarified. **Participants have the option of receiving mechanical subcode (M081) duplicate credit for completion of this technical seminar.** 0.5 CEU

P168 NEW
CPVC PIPING SYSTEMS
**Instructor: Dave DeAngelis, Lubrizol
May 10**

This course discusses CPVC as a thermoplastic material in residential and commercial plumbing piping systems. Both copper tube size and iron pipe size CPVC are thoroughly featured, with comparisons to copper and PEX in performance, costs and environmental impact. A hands-on solvent welding exercise with Schedule 80 CPVC pipe and fittings is included. 0.5 CEU

MECHANICAL SEMINARS

D139/ M074 🔥
**COMMERCIAL COOKING
APPLIANCES, EXHAUST SYSTEMS,
AND FIRE SUPPRESSION – THE
TOTAL VIEW**

**Instructor: David Phelan, Davidson
Code Concepts
May 10**

This course focuses on the 2009 code changes and new technologies being installed for commercial cooking and ventilation. Kitchen exhaust systems and technology have undergone many changes in the last code cycle which have given rise to confusion and misapplication of code provisions. This course looks to dispel some of the myths that occur and bring an updated understanding to the design and installation of these systems. It is designed as a total system approach covering a commercial cooking installation start to finish. **Participants have the option of receiving building subcode (B610) and fire subcode (F413) duplicate credit for completion of this technical seminar.** 0.5 CEU

D149/ M078 🔥
**2009 IFGC / IMC DESIGN,
INSTALLATION AND INSPECTION
PRINCIPLES**

**Instructor: James Quigley,
International Code Council
May 11**

This seminar discusses critical concepts of the 2009 International Fuel Gas Code. It provides a basis for the correct use of the code in the design, plan review, inspection, and analysis of projects. In addition, students will gain a clear understanding of correct use of the requirements identified by basic code provisions, tables and topics. Information provided allows code users to apply the code in clear-cut situations and build their understanding of the intent of the code when asked to make code compliance decisions. This seminar also highlights key provisions of the 2009 International Mechanical Code and provides practice in applying key requirements. It reinforces learning by supplying immediate feedback or clarification. It walks participants through the content outline of the code book and describes key sections. **Participants have the option of receiving fire subcode (F426), plumbing subcode (P161), and building subcode (B580) duplicate credit for completion of this technical seminar.** 0.5 CEU



D176/ M081 **NEW** NATURAL GAS AND LPG GAS PIPING SYSTEMS

Instructor: Fritz Reuss

May 11

Code and manufacturers' requirements for installation and sizing of natural gas and LPG gas delivery systems will be analyzed and discussed for new as well as renovation projects. Actual plan review and inspection areas are focused upon. In addition, the latest issues and concerns relative to these gas delivery systems, including CSST is highlighted and clarified. **Participants have the option of receiving plumbing subcode (P167) duplicate credit for completion of this technical seminar.** 0.5 CEU

MULTIPLE DWELLING

D167/ H035 **NEW** ALL YOU CAN LEARN ABOUT MOLD IN A SINGLE DAY

Instructor: LEW Corp.

May 11

Mold is often encountered in dwellings, affecting the health of the occupants and the structure itself. Moisture control is the most important strategy to control mold. Moisture measurements and the concepts are defined. The effects of sealed buildings, leaking ducts, pressurization, and the attic ventilation systems are investigated. Eliminating moisture intrusion is discussed. Sampling strategies are reviewed, as well as case histories brought in by the class attendees. Finally, mold remediation prescriptions will be presented. **Participants have the option of receiving building subcode (B605) duplicate credit for completion of this technical seminar.** 0.5 CEU

SPECIAL INSPECTOR

D170/SE01 **NEW** EXTERIOR INSULATION FINISHING SYSTEMS TESTING, INSPECTION AND INSTALLATION

Instructor: Frank Hendron, Northeast Inspection Corp

May 10

Substantial changes for the Exterior Insulation Finishing Systems have been added to the IRC in section 703.9 and 1408 in the IBC. The two ASTM standards E-2568 and E-2273 are reviewed in great detail as they are now part of the 2009 code. This seminar will also address barrier EIFS and EIFS with drainage which is new to many inspectors since most of the changes occurred in the 2006/2009 codes. **Participants have the option of receiving building subcode (B608) duplicate credit for completion of this technical seminar.** 0.5 CEU

GENERAL INFORMATION

The registration fee is **\$150 per person**. The registration fee includes **ANY AND ALL EVENTS** you select on your registration form.

Please return the Registration Form(s) with complete payment. All payments must be received in this office by **Friday, April 20**. If this is not possible, you must bring cash or a personal check to be paid at the Conference registration. Make check, money order, or voucher payable to **Building Safety Conference of New Jersey**. No vouchers will be accepted after **Friday, March 30**. For detailed registration instructions please see the "Registration" section of this brochure.

Confirmations will be sent approximately 10 days before the conference. **Bring your confirmation** with you to the registration booth to receive your conference packet which includes your activities, tickets, name badge, etc. If your fees have not been paid you will be directed to the problem registration area.



HOTEL RESERVATIONS

It is strongly recommended that any hotel reservations for the 2012 conference be made through Bally's internet registration system, using the internet link below:

<http://www.totalrewards.com/hotel-reservations?propCode=BAC&groupCode=GBBSC2> <<http://www.totalrewards.com/hotel-reservations?propCode=BAC&groupCode=GBBSC2>>

Reservations can also be made by telephone directly with Bally's. To make reservations, you may call **1-800-345-7253** between 9 a.m. and 4 p.m. Please reference the group code **GBBSC2**.

**Hotel reservations must be made no later than
TUESDAY, APRIL 3, 2012.**

The conference rate per night is quoted per room, single or double occupancy, at the rate of \$80 (NEW LOWER RATE!) for hotel rooms, \$20 extra per person. Please be aware that Atlantic City imposes a \$3 Tourism Fee and \$7 Room Assessment Fee for each hotel room, per night; which is not included in the Building Safety Conference room rate. When issuing a check, money order, or voucher, please be sure to include this fee for each night you book a room. To ensure that you are charged the special conference rate, you must (1) tell the operator that you will be participating in the Building Safety Conference of New Jersey, group code **GBBSC2** and (2) make your overnight reservation with the hotel by **Tuesday, April 3rd, 2012**. After this date, the conference rate will no longer be available. You must use your credit card to guarantee your reservation. Check-in time at the hotel is 4:00PM. The hotel requires that you have a credit card with you at the time of check-in. Check-out time is 12:00 noon. We encourage you to use Express Checkout; instructions are available in your hotel room. Parking is available to all overnight guests for \$5.00 per stay, subject to change without notice at the hotel's discretion.

REGISTRATION INSTRUCTIONS

1. Choose the seminar(s) you would like to attend from those listed in the brochure. Remember to select **one seminar for each day** you are attending the conference. We also request that you indicate a second choice since many classes fill up very quickly.
2. Complete the registration form, providing all information requested. Indicate your seminar choice(s) by marking an "A" (first choice) and a "B" (second choice) for each day you attend the conference. If someone accompanying you will be registering under the spouse registration, please be certain to indicate this on the form, and include the completed Spouse's Registration Form, found in this brochure.
3. Fill out all sections of the registration form and answer all the questions.
4. Payment must be made via check, money order, or voucher, and must be made payable to the **Building Safety Conference of New Jersey**. Please note that a voucher will reserve your seminar space, but this office **MUST** receive your payment prior to the conference.
Also, no vouchers will be accepted after March 30.
Our Federal Tax Identification number is 22-2777775. **Any payment that is made out incorrectly will be returned to the sender, resulting in a delay in registration.**
5. Detach the completed registration form(s), enclose payment, and mail to:

Building Safety Conference
c/o DCA Education Unit
PO Box 816, Trenton, NJ 08625-0816

Please DO NOT make checks payable to DCA

Note:

*The **FINAL DEADLINE** for receipt of all registration forms and payment is **April 20, 2012** (unless payment is made by voucher, in which case it must be received by **March 30**). Materials received after this date will not be accepted.*

NO REFUNDS will be honored unless requests are received by DCA, in writing, no later than *Thursday, May 3, 2012*



**BUILDING SAFETY CONFERENCE
OF NEW JERSEY COMMITTEE**

Michael Baier

Department of Community Affairs

James Castle

Municipal Elevator Safety Inspection Association of NJ

John Delesandro

Department of Community Affairs

Robert Downey

Municipal Electrical Inspectors Association

Gary Lewis

NJ Fire Prevention and Protection Association

Kevin Luckie

Department of Community Affairs

Robert Mittermaier

Building Officials Association of NJ

Debbie Timko

NJ Association of Technical Assistants

Anthony Gargani

NJ Plumbing Inspectors Association

Martin Vogt

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