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2009**



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INTERNATIONAL CODE COUNCIL

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Greetings from Las Vegas where February's temperature averages a wonderful 65 degrees.

On behalf of the Southern Nevada Chapter of ICC, I invite you to participate in EduCode 2009.

Join with us and hundreds of your fellow code professionals for this year's EduCode Conference, February 23-27, 2009. Browse through the 80+ classes and we BET you will find yourself a week of classes.

I am excited to announce the first presentation of:

- A Case Study of the Monte Carlo Hotel/Casino Fire in Las Vegas
- IBC Hazardous Materials
- Green Plumbing and Green Mechanical Concepts
- Fire-Resistance-Rated Design (2-day)
- Review & Inspection of Flammable Finishes, Spraying & Dipping
- Sneak Preview of the 2009 Updates to the ICC and IAPMO Codes

EduCode is an exceptional value. The Orleans Hotel is offering \$67 per night lodging for Sunday through Thursday nights.

McCarran International Airport is readily accessible from all over the World and the hotel is just a short distance away. Outside of class, you may want to find time to sample the renowned entertainment, shopping and sightseeing opportunities provided by Las Vegas.

I look forward to personally saying hello to each and every one of you.

Best Regards,

Fulton Cochran, President
SNICC

Class Titles in Alphabetical Order

CLASS TITLE	SESSION	PAGE
2009 IBC Update Class – Half Day - AM	3	5
2009 IBC Update Class – Half Day - PM	50	17
2009 IECC Update Class – Half Day - PM	68	21
2009 IFC Update – Half Day - AM	5	6
2009 IFC Update – Half Day - AM	49	17
2009 IFC Update – Half Day - PM	6	6
2009 IRC Update – Half Day - AM	67	20
2009 IRC Update – Half Day - PM	4	5
2009 UMC/IMC Update Class – Half Day - PM	70	21
2009 UPC/IPC Update Class - Half Day - AM	69	21
Administrative Functions of the IBC, Chapters 1, 2, 3, 6, 12 & 34	19	8
Advanced Analysis of Egress Components	51	17
Advanced Analysis; Egress Design in Assembly Uses	71	21
Advanced Analysis; Types of Construction	33	11
Advanced and Special Uses; Separated versus Non-Separated Uses	20	8
Advanced Aspects of Fire-Resistance-Rated Design, Part 2	52	17
Advanced Occupancies, Classifications and Code Analysis	1	5
Ammonia Refrigeration Systems – Half Day - AM	7	6
Building Areas, Mixed Areas and Mixed Occupancies	34	12
Building Setbacks, Soils, Footings and Foundations	21	9
Coaching Skills – Half Day - PM	10	7
Cold-Formed Steel Stud Framing	55	18
Combination Inspections of Small Commercial Structures	11	7
Commercial Electrical Workshop	54	18
Commercial Plan Review – Building, Part 1	22	9
Commercial Plan Review Plumbing-Mechanical & Electrical, Part 2	35	12
Conductors and Terminations – Half Day - AM	72	21
Conflict Resolution and Dealing with Difficult People – Half Day - AM	36	12
Continued Use and Reuse of Existing Buildings – Half Day - AM	74	22
Direct Vent, Ventless and Tankless Gas Appliances	38	12
Effective Use Of The IRC	39	12
Electrical Hazards Encountered by Code Enforcement – Half Day - PM	73	22
Environmental Air Ducts and Exhaust Systems	12	7
Ethics and Integrity – Half Day - AM	56	18
Ethics and Integrity – Half Day - PM	57	18
Extreme; Plan Review & Inspections (Prescriptive)	58	19
Extreme II; Plan Review & Inspections (Performance)	76	22
Flammable Finishes, Spraying and Dipping Operations	77	22
Fundamentals of Post-Tensioning Design, Analysis and Construction – Half Day - AM	40	13
Fundamentals of Post-Tensioned Residential Foundations – Half Day - PM	41	13
Green Buildings and I-Codes	2	5
Green Plumbing & Green Mechanical Concepts	23	9
Hazardous Materials	59	19
High-Piled Combustible Storage	60	19
IBC Accessibility Requirements	24	9
IBC Commercial Building Inspections	53	18
IFC Plan Review, Day 1 of 2	25	9
IFC Plan Review, Day 2 of 2	25	13

CLASSES START AT 7:30 A.M.; FOR EXTENDED CLASS INFORMATION GO TO: WWW.EDUCODE.US

CLASS TITLE	SESSION	PAGE
Increasing Morale and Productivity – Half Day - AM	26	10
Inspecting Fire-Resistance-Rated Construction	13	7
Intermediate Fire Alarm (NICET Level I & II), Day 1 of 2	61	19
Intermediate Fire Alarm (NICET Level I & II), Day 2 of 2	61	23
International Zoning Code: Principles of Zoning	62	19
Introduction to Fire-Resistance-Rated Design, Part 1	42	13
Introduction to Leadership and Supervision – Half Day - AM	9	6
Legal Aspects of Code Administration	43	13
Managing Code Compliance Programs: Customer Service and Support – Half Day - AM	44	16
Managing Code Compliance Programs: Enforcement, Integrity and Ethics – Half Day - PM	45	16
Mechanical Essentials – Half Day - PM	65	20
Multi-Family Construction and the IBC	63	20
NFPA 13 – Sprinkler Installation and Head Spacing Requirements (Chapter 8)	29	10
NFPA 14 (2007 Ed.) – Standard for the Installation of Standpipes, Private Hydrants and Hose Systems – Half Day - AM	46	16
NFPA 20 (2007 Ed.) – Standard for the Installation of Stationary Fire Pumps – Half Day - PM	47	16
One and Two-Family Dwelling Electrical Systems	28	10
Performing Residential Plan Reviews, Day 1 of 2	14	7
Performing Residential Plan Reviews, Day 2 of 2	14	10
Photovoltaic Systems	48	17
Plumbing Essentials – Half Day - AM	64	20
Preparing Cases for Court Litigation: Case Preparation – Half Day - AM	30	11
Preparing Cases for Court Litigation: Witness Preparation - Half Day - PM	31	11
Property Maintenance and Housing	15	7
Public Outreach – Changing the Public Perception	32	11
Repair, Re-pipe and Retrofit of Defective Water Systems – Half Day - AM	78	13
Repair, Re-pipe and Retrofit of Defective Water Systems – Half Day - PM	79	23
Residential & Commercial Blueprint Reading (All Disciplines)	16	8
Residential Building Inspections (Field Inspection Process)	80	23
Seismic Issues and Design for Sprinkler Systems – Half Day - PM	8	6
Soares Grounding and Bonding	17	8
Spanish-In-A-Pinch	66	20
Special Inspector Certification Renewal	81	24
Strategic Planning, Vision and Mission – Half Day - PM	87	25
Stress Management and Coping Skills – Half Day - PM	37	12
Structural Plan Reading Class, Day 1 of 2	18	8
Structural Plan Reading Class, Day 2 of 2	18	11
Tenant Improvement Aspects of Assembly, Business, and Mercantile Occupancies – Half Day - PM	75	22
The Monte Carlo Hotel Fire – A Case Study – Half Day - AM	82	24
The Monte Carlo Hotel Fire – A Case Study – Half Day - PM	83	24
The Spectrum of Hoarding; History and Intervention Methods – Half Day - AM	84	24
The Spectrum of Hoarding; Intervention Methods and Safety – Half Day - PM	85	24
Thoroughly Modern Leadership – Half Day - AM	86	25
Time Management Excellence – Half Day - PM	27	10

Session Descriptions

MONDAY SESSIONS

Advanced Occupancies, Classifications and Code Analysis

Session 1

This advanced-level workshop will discuss the occupancies contained in Chapter 3 of the 2006 IBC and looking forward to the 2009 IBC. Methods for the proper classification of occupancies will be discussed. Relative risks and hazards of the various occupancies will be emphasized. Group H occupancy classification considerations will be discussed.

Please bring 2006 IBC and a calculator to class.

Instructor: Greg Keith

Experience Level: Advanced

CEU: 0.8



Green Buildings and I-Codes

Session 2

The practice of Green Building is increasingly affecting building officials and building departments across the country. The first part of this course will introduce the concepts and basics of Green Building. Participants will learn why it is becoming more important than ever for building officials, designers and contractors to understand cause and affect relationships between the built environment and the natural world. Water, energy conservation and other resources will be discussed.

The second part of this course will address specific provisions in the I-Codes as they relate to Green Building, including an expanded look at how to apply the Alternate Materials and Methods provision. Code sections that have been in the codes for years will be identified for their relevance to Green Building. Participants will learn that code officials, good building codes, and code development are essential in moving all of us towards a greener and sustainable future. Primary Audience: Building Inspectors.

Instructor: ICC Instructor

Experience Level: All

CEU: 0.8



2009 IBC Update Class – Half Day - AM

Session 3

This half day seminar is a quick overview of the changes from the 2006 to the 2009 IBC. The class identifies changes in organization and code requirements and the applicability of these requirements to design, plan review and inspection. The seminar will help identify the most significant differences between the 2006 IBC and the 2009 IBC; explain the differences between the current and previous edition; identify changes in organization and code requirements; identify the applicability of design, plan review and inspection requirements.

Instructor: ICC Instructor

Experience Level: All

CEU: 0.4



2009 IRC Update – Half Day - PM

Session 4

This half day seminar is an overview of the changes from the 2006 to the 2009 IRC. Changes in organization and code requirements are identified, and the applicability of these requirements to design, plan review and inspection is identified. Upon completion, participants will be better able to identify the most significant differences between the 2006 IRC and the 2009 IRC, explain the differences between the current and previous edition, identify changes in organization and code requirements, identify the applicability of design, plan review and inspection requirements.

Instructor: ICC Instructor

Experience Level: All

CEU: 0.4

**2009 IFC Update – Half Day - AM****Session 5**

This half-day class reviews the changes from the 2006 to the 2009 IFC. Changes will be identified in organization and code requirements and the applicability of these requirements to design, plan review and inspection. Upon completion, participants will be better able to: identify the most significant differences between the 2006 IFC and the 2009 IFC; explain the differences between the current and previous edition; identify changes in organization and code requirements; identify the applicability of design, plan review and inspection requirements.

Instructor: ICC Instructor

Experience Level: Intermediate-Advanced

CEU: 0.4

**2009 IFC Update – Half Day - PM****Session 6**

This half-day class reviews the changes from the 2006 to the 2009 IFC. Changes will be identified in organization and code requirements and the applicability of these requirements to design, plan review and inspection. Upon completion, participants will be better able to: identify the most significant differences between the 2006 IFC and the 2009 IFC; explain the differences between the current and previous edition; identify changes in organization and code requirements; identify the applicability of design, plan review and inspection requirements.

Instructor: ICC Instructor

Experience Level: All

CEU: 0.4

**Ammonia Refrigeration System – Half Day - AM****Session 7**

This half-day seminar will provide mechanical and fire code enforcement personnel with a unique opportunity to learn about ammonia refrigeration systems, with a specific emphasis on code requirements for these systems and ammonia diffusion equipment.

The program will include a photo-illustrated discussion on refrigeration system components and their functions; a review of the history of ammonia refrigeration requirements in the International Codes and more.

Instructor: Jeffrey M. Shapiro

Experience Level: Advanced

CEU: 0.4

**Seismic Issues and Design for Sprinkler Systems – Half Day - PM****Session 8**

This half-day seminar has been designed to provide a complete review of the seismic requirements found in NFPA 13, 2007 edition. Topics will include separation assemblies, couplings, clearances, sway bracing, available hanger components and fasteners. Attendees will participate in numerous exercises that include actual layout and component sizing calculations. Since specific issues vary geographically from region to region, it is important that estimators and designers understand all of the requirements to ensure that components are properly located and sized.

Participants should bring copies of NFPA 13, 2007 and a calculator.

Instructor: Ken Wagener, AFSA instructor

Experience Level: Intermediate

CEU: 0.4

**Introduction to Leadership and Supervision – Half Day - AM****Session 9**

The objective of this class is to introduce participants to supervisory leadership and highlight the differences between team member expectations and leader and supervisor expectations.

Instructor: Tim Schneider

Experience Level: All

CEU: 0.4



Coaching Skills – Half Day - PM

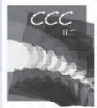
Session 10

Coaching and feedback skills for supervisors and managers will provide the most immediate impact of any skill offered. The ability to provide positive reinforcement, deal with poor performance or behavior and work with difficult team members, will be valuable for anyone in a leadership position. Praise, celebrate, cajole and correct like a football coach and achieve tremendous results with your team. Know when to cut a player, when to give them more work or when to let them run with the ball. Be a coach.

Instructor: Tim Schneider

Experience Level: All

CEU: 0.4



Combination Inspections of Small Commercial Structures

Session 11

This class provides new commercial inspectors with basic techniques and an understanding of conducting inspections of small commercial buildings. The discussions will include preparation, presentation and inspections of the building, plumbing, mechanical and electrical portions of a building.

Instructor: Dan Weed

Experience Level: Intermediate

CEU: 0.8



Environmental Air Ducts and Exhaust Systems

Session 12

This comprehensive seminar provides a detailed review and discussion of environmental air ducts, product conveying ducts and associated components that comprise each system. Topics will include; domestic range vents, dryer vent ducts, commercial hoods and kitchen ventilation, automatic shut-offs, flammable vapors and fumes, and heat recovery ventilators.

Instructor: IAPMO Instructor

Experience Level: All

CEU: 0.8



Inspecting Fire-Resistance-Rated Construction

Session 13

This class will be an in-depth discussion of the fire-resistant-rated construction, Chapter 7 provisions of the 2006 IBC as it relates to inspectors. The class will include a discussion of available resources available to comply with this chapter. The installation and inspection requirements for fire-resistive-rated walls and horizontal assemblies will be discussed. The proper procedure for inspecting through penetration fire stop systems and joint systems will also be included in the class.

Instructor: Steve Thomas

Experience Level: Intermediate-Advanced

CEU: 0.8



Performing Residential Plan Reviews, Day 1 of 2

Session 14

This two-day class provides a procedure for reviewing residential building plans and specifications based on Chapters 1 through 10 of the 2006 IRC. The class allows participants to practice a building plan review during the seminar using actual construction documents and a plan review record. Upon completion, participants will be better able to: Perform steps in completing a residential plan review; Apply the 2006 IRC to the plan review procedure; Identify where minimum code requirements have not been met and cite applicable code sections.

Instructor: ICC Instructor

Experience Level: Intermediate

CEU: 1.6



Property Maintenance and Housing

Session 15

This seminar provides an overview of the housing and property maintenance inspections and serves as a "prep" course for the International Property Maintenance examination. This class is intended for code personnel who want a better understanding of how to approach a property maintenance inspection, how to conduct a through inspection and follow through with appropriate enforcement actions. This session should serve as a review for veteran inspectors and a valuable introduction to new inspectors who normally work in other areas of code enforcement.

Instructor: Reggie Jackson

Experience Level: All

CEU: 0.8

**Residential & Commercial Blueprint Reading (All Disciplines)****Session 16**

This class will focus on the layout of construction documents and how to read the plans for compliance with the codes. The recommended order of the plans and how they are laid out will be discussed, including the civil, electrical, architectural, plumbing, structural, mechanical and fire sprinkler plans. The use of symbols and scales on drawings will also be discussed and how to interpret their use. The class will also look at the development of specifications and how to get code related information from this document.

Instructor: Tom Myers**Experience Level:** Beginning**CEU:** 0.8**Soares Grounding and Bonding****Session 17**

This seminar is a must for those who wish to keep informed and increase their understanding and expertise in grounding and bonding of electrical systems and equipment. It is based on the authoritative text Soares Book on Grounding and Bonding, 9th edition and clearly explains the fundamentals and practice of grounding in easily understood language. Dozens of new and revised color illustrations and photos of actual installations clarify and simplify the fundamental principles of grounding and bonding.

Book Fee: \$50.00**Instructor:** Keith Lofland, IAEI instructor**Experience Level:** Intermediate-Advanced**CEU:** 0.8**Structural Plan Reading Class, Day 1 of 2****Session 18**

This two day course introduces the basics of structural plan reading. This hands-on workshop will focus on reinforced concrete, structural masonry and structural steel, welding, blueprint reading. The course will be broken down into fundamentals, reinforced concrete plans, structural masonry plans and structural steel welding plans. Upon completion the attendee should have a basic comprehension of the alphabet of lines, symbols and notations, basic views, details and sections, dimensioning, schedules and structural plans.

Instructor: William Fitzjohn**Experience Level:** Intermediate**CEU:** 1.6**TUESDAY****Administrative Functions of the IBC, Chapters 1, 2, 3, 6, 12 & 34****Session 19**

This one-day class will cover the fundamental components of the *International Building Code*®. Administrative functions and requirements of Building Department personnel, document submittals (including supplemental and deferred), Certificate of Occupancy and how to create checklists to ensure completeness of applications will be covered.

Participants in this class will also be able to identify occupancies and have an understanding of when, where and why the various types of construction are used. Basic area calculations and percentages will be performed.

Please bring the 2006 *International Building Code*, architectural scale and a calculator.

Instructor: Mary Dickson**Experience Level:** Beginning**CEU:** 0.8**Advanced and Special Uses: Separated versus Non-Separated Uses****Session 20**

This advanced level course will discuss the use and occupancy classifications contained in chapter 3 of the IBC; the special detailed requirements in Chapter 4, such as covered malls, atriums, high-rise buildings and underground buildings. This course will also differentiate between the separated and non-separated use design methodology. Please bring the 2006 *International Building Code* and a calculator.

Instructor: Greg Keith**Experience Level:** Advanced**CEU:** 0.8



Building Setbacks, Soils, Footings and Foundations

Session 21

This seminar provides in-depth training on the provisions for getting a “building out of the ground.” The seminar is applicable to all aspects of the regulatory/design/construction community, including contractors, design professionals, plans examiners and inspectors. Major topics include: Soils and Geotechnical Reports, Soils Drainage, Use of Prescriptive Tables, Slabs on Grade, Slope Requirements, Basements and Crawl Spaces.

Instructor: Dan Weed

Experience Level: Beginning

CEU: 0.8



Commercial Plan Review – Building, Part 1

Session 22

This class explains the process of conducting a plan review for small/medium-sized commercial projects. It will cover the Building, Plumbing, Mechanical and Electrical requirements for commercial projects. The class will focus on the building code portion of reviews based on the *International Building Code®*, will provide students with formats, process and understanding of how to conduct a commercial plan review.

Instructor: Steve Thomas

Experience Level: Intermediate

CEU: 0.8



Green Plumbing & Green Mechanical Concepts

Session 23

This seminar is designed to introduce participants to the basics of the Green Building movement as well as Green Plumbing and Mechanical concepts, products, and installations. Participants will learn about the present trend toward green construction, what it means to go green, and the major organizations supporting green technology and practices. The discussion of Green plumbing will focus on the need for green applications, water conservation and water conserving methods, and the link between water conservation and energy conservation. Some of the Green plumbing concepts covered in this discussion include, but are not limited to reduced volume fixtures, low-flow flush toilets, low-flow and waterless urinals, gray water systems, reclaimed water, and water heating. The Green Mechanical portion of the program will focus on energy conservation and indoor air quality. Some of the Green Mechanical concepts covered in this discussion include, but are not limited to high efficiency boiler systems, high efficiency forced air systems, thermal mass and storage, geothermal applications, and solar heating.

Instructor: IAPMO instructor

Experience Level: All

CEU: 0.8



IBC Accessibility Requirements

Session 24

This class provides an overview of the scoping provisions for accessibility in the *International Building Code®* and the technical provisions of the ICC/ANSI A117.1 Accessible and Usable Buildings and Facilities. The seminar will also discuss differences between the provisions enforced by building departments and the American Disabilities Act Accessibility Guidelines.

Instructor: Tom Myers

Experience Level: All

CEU: 0.8



IFC Plan Review, Day 1 of 2

Session 25

This two-day seminar covers plan review based on the 2006 *International Fire Code®* (IFC®). The course includes items in the IFC that affect building design, but are not regulated specifically by the *International Building Code®*. The course is intended to help building and fire code officials identify those areas where plan review prior to use or occupancy will facilitate compliance with the IFC. Topics covered include fire flow, fire department access, special hazard requirements, special occupancy requirements, fire protection systems, hazardous materials, and high-piled storage.

Instructor: Kevin Scott, ICC instructor

Experience Level: Intermediate

CEU: 1.6



Increasing Morale and Productivity – Half Day - AM

Session 26

Consistently and constantly setting a positive, professional and constructive tone is one of the most important traits of the winning leader. Skills in this class include ensuring visibility, being available and using the coaching language needed to produce a positive working atmosphere. Setting and maintaining the tone in the working atmosphere is an important leadership trait. Learn the skills needed, including language and body movements to insure positive tone in the office.

Instructor: Tim Schneider

Experience Level: All

CEU: 0.4



Time Management Excellence – Half Day - PM

Session 27

Success for any professional depends largely on the ability to juggle the demands of career and personal responsibilities. This course will empower you to kill parasites of your time and establish organizational principles that will be life altering. This class works on building a time management program and discusses the tools used for the successful implementation of the plan.

Instructor: Linda Florence

Experience Level: All

CEU: 0.4



One and Two Family Dwelling Electrical Systems

Session 28

This comprehensive seminar explains installation, design, and inspection of electrical systems in new and existing one- and two-family dwellings in clear, concise language, with numerous pictures and graphics. This seminar is based on IAEI's book entitled One & Two Family Dwelling Electrical Systems, 6th Edition, that includes the electrical requirements of both the National Electrical Code (NEC) and the *International Residential Code*® (IRC®). This presentation is particularly helpful and valuable for inspectors, contractors, electricians, and students.

Book Fee: \$60.00

Instructor: Keith Lofland, IAEI instructor

Experience Level: All

CEU: 0.8



NFPA 13 – Sprinkler Installation and Head Spacing Requirements (Chapter 8) Session 29

The 2007 edition of NFPA 13 has been reorganized and expanded following the incorporation of the sprinkler design and installation criteria from over 40 NFPA standards, which were imported into NFPA 13 in the 1999 edition. This seminar includes a complete review of the design and installation requirements for storage occupancy use groups, including definition of terms, design approaches. This seminar will benefit designers, Contractors, Architects, Code Officials, Plan Checkers, and Inspectors. This seminar is a lecture-based presentation, incorporating group activities and problem solving for a workshop atmosphere and hands-on learning experience.

Instructor: Ken Wagoner, AFSA Instructor

Experience Level: Intermediate

CEU: 0.8



Performing Residential Plan Reviews, Day 2 of 2

Session 14

This is the second day of a two day class. This two-day class provides a procedure for reviewing residential building plans and specifications based on Chapters 1 through 10 of the 2006 IRC. The class allows participant to practice a building plan review during the seminar using actual construction documents and a plan review record. Upon completion, participants will be better able to: Perform steps in completing a residential plan review; Apply the 2006 IRC to the plan review procedure; Identify where minimum code requirements have not been met and cite applicable code sections; Locate and apply plumbing code requirements; Complete inspection checklists; Use the seminar workbook as a job aid when performing a residential plumbing inspection.

Instructor: ICC Instructor

Experience Level: Intermediate

CEU: 1.6

**Preparing for Court Litigation, Case Preparation – Half Day - AM****Session 30**

This seminar will cover five court procedures, 1. Criminal law prosecution which includes courtroom procedures, dos and don'ts and a mock trial; 2. Administrative Search Warrants, which includes legal issues and affidavits and probable cause; 3. Civil Litigation, which includes common and public nuisance Abatement; 4. Administrative Law, which includes Administrative Boards and Immunity; 5. Closing with legal updates and case law updates.

Instructor: Jose Nino, Savita Rai**Experience Level:** All**CEU:** 0.4**Preparing for Court Litigation, Witness Preparation – Half Day - PM****Session 31**

This seminar will cover five court procedures, 1. Criminal law prosecution which includes courtroom procedures, dos and don'ts and a mock trial; 2. Administrative Search Warrants, which includes legal issues and affidavits and probable cause; 3. Civil Litigation, which includes common and public nuisance Abatement; 4. Administrative Law, which includes Administrative Boards and Immunity; 5. Closing with legal updates and case law updates.

Instructor: Jose Nino, Savita Rai**Experience Level:** All**CEU:** 0.4**Public Outreach – Changing the Public Perception****Session 32**

The presentation will cover the needs and multiple benefits of Public Outreach. Topics will include: why we need to change public perception, improve our image and the benefits of improved customer service. A successful outreach program helps ensure an informed public, thus resulting in increased voluntary compliance to code requirements and helping ensure increased public safety.

Instructor: Guy Sperb**Experience Level:** Entry**CEU:** 0.8**Structural Plan Reading Class, Day 2 of 2****Session 18**

This is the second day of a two day class. This two-day course introduces the basics of structural plan reading. This hands-on workshop will focus on reinforced concrete, structural masonry and structural steel, welding, blueprint reading. The course will be broken down into fundamentals, reinforced concrete plans, structural masonry plans and structural steel welding plans. Upon completion the attendee should have a basic comprehension of the alphabet of lines, symbols and notations, basic views, details and sections, dimensioning, schedules and structural plans.

Instructor: William Fitzjohn**Experience Level:** Intermediate**CEU:** 1.6**WEDNESDAY****Advanced Analysis; Types of Construction****Session 33**

This advanced level workshop will discuss the proper determination of the construction requirements contained in Chapters 6, 7 and 14 of the 2006 IBC. Fire-resistance, materials of construction and opening protective requirements will be emphasized. Techniques as to how to select the proper type of construction and identify the type of construction for existing buildings will be stressed.

Please bring the 2006 *International Building Code*® and a calculator.

Instructor: Greg Keith**Experience Level:** Advanced**CEU:** 0.8

**Building Areas, Mixed Areas and Mixed Occupancies****Session 34**

This seminar provides a comprehensive discussion of the major compartmentalizing concepts of the IBC, focusing on those requirements that deal with building size, sprinkler options and mixed-use buildings. Fire-resistance-rated construction is also addressed. This class will include topics on allowable areas, area increases, unlimited area buildings, fire area concept and construction, incidental/accessory use areas and separated/non-separated uses.

Instructor: Dan Weed**Experience Level:** Intermediate**CEU:** 0.8**Commercial Plan Review Plumbing-Mechanical & Electrical, Part 2****Session 35**

This class explains the process of conducting a plan review for small/medium-sized commercial projects. Part 2 covers the Plumbing, Mechanical and Electrical requirements for commercial projects.

Instructor: Steve Thomas**Experience Level:** Intermediate**CEU:** 0.8**Conflict Resolution and Dealing with Difficult People – Half Day - AM****Session 36**

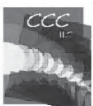
Conflict can bring opportunity and positive change, yet many of us fear it and go to great lengths to avoid any type of confrontation. In this course, we will demonstrate the value of conflict and share key strategies for managing conflict.

Instructor: Linda Florence**Experience Level:** All**CEU:** 0.4**Stress Management and Coping Skills – Half Day - PM****Session 37**

Kill off workplace stress with this winning program. Develop the skills to adapt to change, modify personal habits and relate more effectively.

Instructor: Linda Florence**Experience Level:** All**CEU:** 0.4**Direct Vent, Ventless and Tankless Gas Appliances****Session 38**

This seminar will discuss ventless and direct vent gas appliances and the code provisions that regulate proper installation, use and piping. A variety of gas appliances will be discussed which include: Ventless Fireplaces, Tankless Water Heaters, Wall Furnaces, and Central Heating Boilers and Furnaces. The class will cover the provisions of the 2006 or 2009 editions of the Plumbing Code (either UPC or IPC). Please bring your 2006 or 2009 Plumbing Code (either UPC or IPC).

Instructors: IAPMO Instructor**Experience Level:** All**CEU:** 0.8**Effective Use Of The IRC****Session 39**

This seminar provides a broad overview of the provisions of Chapters 1-10 of the *International Residential Code*® (IRC®), those portions of the code that deal with “building” issues. The program does not address the mechanical, plumbing and electrical portions of the IRC. Administrative rules, building planning, foundations, wood-framed construction and roofing provisions are discussed. The seminar is applicable to all aspects of the regulatory/design/construction community, including contractors, design professionals, building officials, plans examiners and inspectors. Major topics include: Administration of the IRC, Definitions, Building planning, Foundation systems, Floor, wall and roof construction, Wall and roof coverings, Chimneys and fireplaces.

Instructor: Tom Myers**Experience Level:** Beginning**CEU:** 0.8



Fundamentals of Post-Tensioning Design, Analysis and Construction – Half Day - AM

Session 40

Analysis, design, and construction fundamentals with an emphasis on post-tensioned buildings. The course will present post-tensioning technology (materials, fabrication, and installation procedures), analysis and design (load balancing, secondary moments, pre-stress losses, example problem, code requirements), applications (tendon layout, retrofit), and construction and installation procedures.

Instructor: PTI Instructor

Experience Level: Intermediate-Advanced

CEU: 0.4



Fundamentals of Post-Tensioned Residential Foundations – Half Day - PM

Session 41

Explains the fundamentals of post-tensioned concrete foundations used in residential construction. Topics include basic interpretation of the soils report, selection of a foundation design, coordination of the design team, construction procedures, homeowner maintenance, repairs and modifications. All participants will receive a copy of PTI's Construction and Maintenance Procedures Manual for Post-Tensioned Slab-On-Ground Construction along with other PTI publications.

Instructor: PTI Instructor

Experience Level: Intermediate-Advanced

CEU: 0.4



IFC Plan Review, Day 2 of 2

Session 25

This is the second day of a two day class. This two-day class covers plan review based on the 2006 *International Fire Code*®. The course includes items in the IFC that affect building design, but are not regulated specifically by the *International Building Code*®. The course is intended to help building and fire code officials identify those areas where plan review prior to use or occupancy will facilitate compliance with the IFC. Topics covered include fire flow, fire department access, special hazard requirements, special occupancy requirements, fire protection systems, hazardous materials, and high-piled storage.

Instructor: Kevin Scott, ICC instructor

Experience Level: All

CEU: 1.6



Introduction to Fire-Resistance-Rated Design, Part 1

Session 42

This seminar focuses on those elements of buildings that are required to be fire-resistance-rated due to other provision of the code. Based upon the 2006 *International Building Code*® (IBC®), provisions applicable to all of the occupancies and construction types will be addressed. The seminar is applicable to all aspects of the regulatory/design/construction community, including building officials, fire officials, plans examiners, inspectors, design professionals and contractors. Major topics include: Requirements for Exterior Walls, Fire Walls, Fire Barriers, Shafts Enclosures, Fire Partitions, Smoke Barriers, Smoke Partitions, Horizontal Assemblies, Fire Doors (and hardware) Fire Blocking and Draft Stopping.

Instructor: Bob Stetson

Experience Level: Intermediate

CEU: 0.8



Legal Aspects of Code Administration

Session 43

This seminar provides code officials with guidelines for administering the legal aspects of codes with regard to enforcement, prosecution and maintenance. Upon completion, participants will be better able to describe the historical consequences of ignoring the regulation of building; construction and materials; interpret and apply local government, state and federal legislative laws as they apply to the administration and enforcement of a building code; establish or document rules of procedure used before a board of building code appeals; interpret and apply certain provisions of constitutional law and property law concepts as they apply to the administration and enforcement of a building code; examine theories of legal liability; interpret basic principles of negligence and civil rights acts and examine possible defenses and immunities; use guidelines that are presented in the course to testify effectively in a court of law.

Instructor: ICC Instructor

Experience Level: All

CEU: 0.8

2009 Class Description

Track	Monday February 23, 2009	Tuesday February 24, 2009	Wednesday February 25, 2009	Thursday February 26, 2009	Friday February 27, 2009
Combination Residential Inspections	Residential & Commercial Blueprint Reading (All Disciplines) Session 16	Building Setbacks, Soils, Footings and Foundations Session 21	Effective Use of the IRC Session 39	Plumbing Essentials Session 64 Mechanical Essentials Session 65	Residential Building Inspections (Field Inspection Process) Session 80
Fire Systems • Sprinklers • Alarms • 2009 IFC Updates	2009 IFC Update Session 5 Seismic Issues and Design for Sprinkler Systems Session 8	NFPA 13 - Sprinkler Installation & Head Spacing Requirements (Chapter 8) Session 29	NFPA 14 (2007 Ed); Standard for the Installation of Standpipes and Hose Systems Session 46 NFPA 20 (2007 Edition) Installation of Stationary Fire Pumps Session 47	Intermediate Fire Alarm (NICET Level I & II) Day 1 of 2 Book Fee \$75 Session 61	Intermediate Fire Alarm (NICET Level I & II) Day 2 of 2 Session 61
Commercial and Multi Family Inspections	Combination Inspections of Small Commercial Structures Session 11	IBC Accessibility Requirements Session 24	Building Areas, Mixed Areas and Mixed Occupancies Session 34	Multi-Family Construction and the IBC Session 63	Continued Use and Reuse of Existing Buildings Session 74 Tenant Improvement Aspects of Assembly, Business & Mercantile Occupancies Session 75
Plan Review Residential Complex Commercial	Performing Residential Plan Reviews Day 1 of 2 Session 14	Performing Residential Plan Reviews Day 2 of 2 Session 14	Introduction to Fire-Resistance-Rated Design - Part 1 Session 42	Extreme: Plan Review & Inspections (Prescriptive) Session 58	Extreme II: Plan Review & Inspections (Performance) Session 76
The "GREEN" Environment	Green Buildings and I-Codes Session 2	Green Plumbing and Green Mechanical Concepts Session 23	Legal Aspects of Code Administration Session 43	Multi Family Construction and the IBC Session 63	Continued Use and Reuse of Existing Buildings Session 74 Tenant Improvement Aspects of Assembly, Business & Mercantile Occupancies Session 75
The Front Counter • Reading Plans • Administration • Zoning	Residential & Commercial Blueprint Reading (All Disciplines) Session 16	Administrative Functions of the IBC Chapters 1, 2, 3, 6, 12 & 34 Session 19	Legal Aspects of Code Administration Session 43	International Zoning Code: Principles of Zoning Session 62	The Monte Carlo Hotel Fire – A Case Study Session 82 Strategic Planning, Vision and Mission Session 87
Leadership	Introduction to Leadership and Supervision Session 9 Coaching Skills Session 10	Increasing Morale and Productivity Session 26 Time Management Excellence Session 27	Conflict Resolution and Dealing with Difficult People Session 36 Stress and Coping Skills Management Session 37	Ethics and Integrity Session 56 Ethics and Integrity Session 57	Thoroughly Modern Leadership Session 86 Strategic Planning, Vision and Mission Session 87
Code Enforcement	Property Maintenance and Housing Session - 15	Preparing Cases for Court Litigation: Case Preparation Session 30 Preparing Cases for Court Litigation: Witness Preparation Session 31	Managing Code Compliance Programs: Customer Service and Support Session 44 Managing Code Compliance Programs: Enforcement, Integrity & Ethics Session 45	International Zoning Code: Principles of Zoning Session 62	The Spectrum of Hoarding: History and Intervention Methods Session 84 The Spectrum of Hoarding: Intervention Methods and Safety Session 85
Special Inspections and QAA's	Structural Plan Reading Class Day 1 Session 18	Structural Plan Reading Class Day 2 Session - 18	Fundamentals of Post Tensioning Design, Analysis & Construction Session 40 Fundamentals of Post Tensioned Residential Foundations Session 41	Cold-Formed Steel Stud Framing Session 55	Special Inspector Certification Renewal Session 81
Trade Show	Trade show area will be open daily. Come visit the various suppliers of products that effect the Built Environment.				

Track	Monday February 23, 2009	Tuesday February 24, 2009	Wednesday February 25, 2009	Thursday February 26, 2009	Friday February 27, 2009
Advanced Non-Structural Review and Concepts	Advanced Occupancies, Classifications and Code Analysis Session 1	Advanced and Special Uses: Separated versus Non-Separated Uses Session 20	Advanced Analysis: Types of Construction Session 33	Advanced Analysis of Egress Components Session 51	Advanced Analysis: Egress Design in Assembly Uses Session 71
Residential to Commercial Inspections	Combination Inspection of Small Commercial Structures Session 11	IBC Accessibility Requirements Session 24	Building Areas, Mixed Areas and Mixed Occupancies Session 34	IBC Commercial Building Inspections Session 53	Continued Use and Reuse of Existing Buildings Session 74
Moving From the IRC to the IBC					Tenant Improvement Aspects of Assembly, Business and Mercantile Occupancies Session 75
Plumbing and Mechanical	Environmental Air Ducts and Exhaust Systems Session 12	Green Plumbing & Green Mechanical Concepts Session 23	Direct Vent, Ventless and Tankless Gas Appliances Session 38	Plumbing Essentials Session 64	2009 UPC/IPC Updates Session 69
				Mechanical Essentials Session 65	2009 UMC/IMC Updates Session 70
The 4 Disciplines Combination Review and Inspection	Combination Inspection of Small Commercial Structures Session 11	Commercial Plan Review - Building, Part 1 Session 22	Commercial Plan Review - Plumbing, Mechanical & Electrical - Part 2 Session 35	IBC Commercial Building Inspections Session 53	The Monte Carlo Hotel Fire - Case Study Session 82
					Tenant Improvement Aspects of Assembly, Business & Mercantile Occupancies Session 75
Electrical	Soares Grounding and Bonding Book Fee \$50 Session 17	One & Two Family Dwelling Electrical Systems Book Fee \$60 Session 28	Photovoltaic Systems Session 48	Commercial Electrical Workshop Session 54	Conductors and Terminations Session 72
					Electrical Hazards Encountered by Code Enforcement Session 73
IFC Plan Review • Ammonia Systems • High Piled Storage • Flammable Finishes	Ammonia Refrigeration Systems Session 7	IFC Plan Review Day 1 of 2 Session 25	IFC Plan Review Day 2 of 2 Session 25	High-Piled Combustible Storage Session 60	Flammable Finishes, Spraying and Dipping Operations Session 77
	2009 IFC Update Session 6				
Building Specialties	Ammonia Refrigeration Systems Session 7	IBC Accessibility Requirements Session 24	Direct Vent, Ventless and Tankless Gas Appliances Session 38	Spanish-In-A-Pinch Session 66	Repair, Re-Pipe & Retrofit of Defective Water Systems Session 78
	Coaching Skills Session 10				Repair, Re-Pipe & Retrofit of Defective Water Systems Session 79
Extreme Review and Inspections	Inspecting Fire-Resistance-Rated Construction Session 13	Commercial Plan Review – Building – Part 1 Session 22	Commercial Plan Review – Plumbing, Mechanical & Electrical – Part 2 Session 35	Extreme: Plan Review & Inspections (Prescriptive) Session 58	Extreme II: Plan Review & Inspections (Performance) Session 76
Fire Resistive Elements and the Monte Carlo Fire	Inspecting Fire-Resistance-Rated Construction Session 13	Advanced and Special Uses: Separated versus Non-Separated Uses Session 20	Introduction to Fire-Resistance-Rated Design, Part 1 Session 42	Advanced Aspects of Fire-Resistance-Rated Design, Part 2 Session 52	The Monte Carlo Hotel Fire – A Case Study Session 82
					The Monte Carlo Hotel Fire – A Case Study Session 83
Sneak Previews • 2009 Updates • Public Perception • Hazardous Materials	2009 IBC Update Session 3	Public Outreach – Changing the Public Perception Session 32	2009 IFC Update Session 49	Hazardous Materials Session 59	2009 IRC Update Session 67
	2009 IRC Update Session - 4		2009 IBC Update Session 50		2009 IECC Update Session 68

CLASSES START AT 7:30 A.M.; FOR EXTENDED CLASS INFORMATION GO TO: WWW.EDUCODE.US



Managing Code Compliance Programs: Customer Service and Support – Half Day - AM

Session 44

Selected topics for this day of class will be an interactive exploration of code compliance issues. We will focus on techniques designed to persuade property owners to voluntarily comply with codes, alternative enforcement tools to be used when persuasion is not enough and on programs designed to build support for code enforcement in your community. The class will also explore methods to deal with vacant buildings. In addition there will be discussion as to how to interact with elected officials while still carrying out your code duties. Come prepared to talk, share, laugh and learn. What is shared in Vegas stays in Vegas.

Instructor: Marty Colins

Experience Level: All

CEU: 0.4



Managing Code Compliance Programs: Enforcement, Integrity and Ethics – Half Day - PM

Session 45

Selected topics for this day of class will be an interactive exploration of code compliance issues. We will focus on techniques designed to persuade property owners to voluntarily comply with codes, alternative enforcement tools to be used when persuasion is not enough and on programs designed to build support for code enforcement in your community. The class will also explore methods to deal with vacant buildings. In addition there will be discussion as to how to interact with elected officials while still carrying out your code duties. Come prepared to talk, share, laugh and learn. What is shared in Vegas stays in Vegas.

Instructor: Marty Colins

Experience Level: All

CEU: 0.4



NFPA 14 (2007 Ed.) – Standard for the Installation of Standpipes, Private Hydrants and Hose Systems – Half Day - AM

Session 46

This half-day seminar presents one of the most misunderstood documents in the volumes of NFPA Standards is NFPA14. This seminar is designed to provide an overview of the standard as well as a specific chapter by chapter discussion highlighting those specific areas that are especially critical to today's fire fighting techniques as well as architectural and construction techniques that are common. Participants will gain a good understanding of its organization and have the ability to recognize the issues affecting these systems while knowing where to go to find the answers. Estimators, engineers, designers, field superintendents and AHJ's will all benefit from this information packed half-day. Please bring NFPA 13 and 14 and a scientific calculator.

Instructor: Ken Wagoner, AFSA Instructor

Experience Level: Intermediate

CEU: 0.4



NFPA 20 (2007 Ed.) – Standard for the Installation of Stationary Fire Pumps – Half Day - PM

Session 47

This half-day seminar covers the design, installation, and maintenance of fire pumps. Participants learn to evaluate water supplies for the need of a fire pump, determine the size and capacity, and to select the proper driver. A review of required components including valves, controllers, jockey pumps and fuel supplies is conducted. Acceptance testing, maintenance/service requirements, and standards reporting procedures are also discussed.

Instructor: Ken Wagoner, AFSA instructor

Experience Level: Intermediate

CEU: 0.4



Photovoltaic Systems

Session 48

This one-day session will cover the NEC requirements for designing and installing Photovoltaic systems. Conductor selection, ampacity calculations and overcurrent devices and disconnects will be covered. How to do it correctly and what not to do are items on the agenda. The focus will be on utility-interactive systems. Electricians, electrical inspectors and Photovoltaic installers should attend. PV installers will receive 6 hours of NABCEP (North American Board of Certified Energy Practitioners) continuing education credits for the course.

Instructor: John Wiles, IAEI instructor

Experience Level: Intermediate-Advanced

CEU: 0.8



2009 IFC Update – Half Day - AM

Session 49

This half-day class reviews the changes from the 2006 to the 2009 IFC. Changes will be identified in organization and code requirements and the applicability of these requirements to design, plan review and inspection. Upon completion, participants will be better able to: identify the most significant differences between the 2006 IFC and the 2009 IFC; explain the differences between the current and previous edition; identify changes in organization and code requirements; identify the applicability of design, plan review and inspection requirements.

Instructor: ICC Instructor

Experience Level: All

CEU: 0.4



2009 IBC Update Class – Half Day - PM

Session 50

This half-day seminar is a quick overview of the changes from the 2006 to the 2009 IBC. The class identifies changes in organization and code requirements and the applicability of these requirements to design, plan review and inspection. The seminar will help identify the most significant differences between the 2006 IBC and the 2009 IBC; explain the differences between the current and previous edition; identify changes in organization and code requirements; identify the applicability of design, plan review and inspection requirements.

Instructor: ICC Instructor

Experience Level: All

CEU: 0.4

THURSDAY

Advanced Analysis of Egress Components

Session 51

This advanced-level workshop will focus on the prescriptive means of egress component requirements and the performance based means of egress design requirements contained in Chapter 10 of the 2006 IBC. Exit access component, exit component and exit discharge component provisions will be discussed in detail. The “three-part” means of egress system provisions will be stressed. Capacity based and occupant tenability based design requirements will be emphasized.

Please bring the 2006 IBC and a calculator to class.

Instructor: Greg Keith

Experience Level: Intermediate-Advanced

CEU: 0.8



Advanced Aspects of Fire-Resistance-Rated Design, Part 2

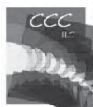
Session 52

This seminar will focus on how to meet the fire-resistive requirements of ASTM E 119, UL-263, NFPA 80 and other recognized standards referenced by the IBC. The seminar is applicable to building officials, fire officials, plans examiners, inspectors, design professionals and contractors who are really serious about Chapter 7 requirements. Major topics include: Fire Windows, Penetrations, Joints, Fire Dampers and Smoke Dampers, the Gypsum Association Fire Resistance Design Manual, the UL Fire Resistance Directory and other resources invaluable to both the design and regulatory communities. The class will also include instruction for determining the required thickness for fire-proofing coatings of structural steel. Class will include a working fire/smoke damper, as well as, other teaching aids to increase the student's mastering of the subject.

Instructor: Bob Stetson

Experience Level: Advanced

CEU: 0.8



IBC Commercial Building Inspections

Session 53

This class provides new commercial inspectors with basic techniques and an understanding of conducting inspections of commercial buildings. The seminar will focus on the inspection process required by the IBC. The discussion will include inspections of concrete, masonry, and steel construction. It will also include inspections of fire-resistance construction, means of egress and accessibility portions of the building.

Instructor: Dan Weed

Experience Level: Advanced

CEU: 0.8



Commercial Electrical Workshop

Session 54

Knowledge of the National Electrical Code is one of the most valuable tools anyone who makes his or her living in the electrical industry can possess. This workshop is a must for installers and inspectors alike or for anyone who needs to enhance his or her general understanding of Code rules and how to apply these rules in everyday situations. This interactive workshop will explain, in clear, concise language, code structure involving installation, design and inspections of electrical systems. Examples of application of the NEC rules to installations and systems will be presented as well as major checklists for inspectors and installers.

Instructor: IAEI instructor

Experience Level: Intermediate-Advanced

CEU: 0.8



Cold-Formed Steel Stud Framing

Session 55

This seminar assists building code officials, inspectors, plan review personnel, architects, engineers, and builders with the information needed to help them assure that cold-formed steel structures are constructed per plan and industry standards, and designed in accordance with building codes and industry recommendations.

The presentation provides a step-by-step review of construction standards, and an introduction to cold-formed steel framing systems, including the basic design of floors, walls, and roofs. Also reviewed is the Universal Designator System of identification for cold-formed steel members.

Using the International Codes, North American Design Specification for Cold-Formed Steel, the Standard for Cold-Formed Steel Framing – Prescriptive Method for One and Two Family Dwellings, and the Steel Stud Manufacturers Association Technical Information Product Catalog, as its basis the seminar provides attendees with a the most up-to-date standards for steel framing.

Instructor: SFA Instructor

Experience: Intermediate-Advanced

CEU: 0.8



Ethics and Integrity – Half Day - AM

Session 56

The expectations for ethics and integrity in a public sector environment have never been higher and under more scrutiny. This program will reveal some of the common ethical lapses and how they can be avoided. Participants will also learn that ethical behavior is not about one large event but rather a summary of smaller events and behaviors.

Instructor: Tim Schneider

Experience Level: All

CEU: 0.4



Ethics and Integrity – Half Day - PM

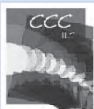
Session 57

The expectations for ethics and integrity in a public sector environment have never been higher and under more scrutiny. This program will reveal some of the common ethical lapses and how they can be avoided. Participants will also learn that ethical behavior is not about one large event but rather a summary of smaller events and behaviors.

Instructor: Tim Schneider

Experience Level: All

CEU: 0.4

**Extreme; Plan Review & Inspections (Prescriptive)****Session 58**

This class addresses the very large and unusual building plan review and inspections. The class will focus on high-rise construction, atriums and very large buildings. The discussion will address the prescriptive review and inspections of complex designs and smoke control. The class will also discuss the special inspection process and how to monitor the program.

Instructor: Steve Thomas**Experience Level:** Advanced**CEU:** 0.8**Hazardous Materials****Session 59**

This seminar examines the application of code requirements in the 2006 IBC (specifically Chapters 3 and 4) and the 2006 IFC to determine compliance for the storage, display, handling and dispensing of hazardous materials. Discusses Group H occupancy classifications as assigned by the IBC and IFC requirements that are driven by specific materials stored or used.

Instructor: ICC Instructor**Experience Level:** Intermediate**CEU:** 0.8**High-Piled Combustible Storage****Session 60**

This one-day seminar is intended to familiarize code officials and design professionals with the 2006 *International Fire Code*® (IFC®) Chapter 23, High-Piled Combustible Storage and 2006 *International Building Code*® (IBC®) requirements in Section 413. It will also introduce fire code professionals to the requirements for storage occupancies in the 2007 edition of NFPA 13, Installation of Sprinkler Systems. The seminar includes a review of commodity classification, including plastics, the requirements in Section 2306 for fire department access, fire detection systems, smoke and heat vents and aisles. It also addresses the various methods of storage. The seminar includes an extensive analysis of the variables that affect the performance of an automatic sprinkler system in storage occupancies.

Instructor: Scott Stookey, ICC Instructor**Experience Level:** Intermediate - Advanced**CEU:** 0.8**Intermediate Fire Alarm (NICET Level I & II), Day 1 of 2****Session 61**

This is a two-day seminar. This seminar provides training on the requirements for proper design, installation, testing and maintenance of fire alarm systems, as well as providing education to assist applicants wishing to become NICET Level II certified in the field of Fire Alarm Systems. It provides an in depth review of the requirements of NFPA 72, National Fire Alarm Code and the fire alarm wiring requirements of NFPA 70, National Electrical Code. The attendee should have a minimum of 2 years field experience to obtain maximum benefits of this course.

Please bring a calculator

Book Fee: \$75.00 (includes NFPA Standard and all workbooks/handouts)**Instructor:** Mike Baker, AFAA Instructor**Experience Level:** Intermediate**CEU:** 1.6**International Zoning Code: Principles of Zoning****Session 62**

This course will provide the participant with an introduction to the history of zoning and the importance of zoning enforcement to the public health and safety in all communities. A highlight of the concepts, format, uses and implementation of the *International Zoning Code*® (IZC®) will be covered. The course will demonstrate and identify the major components of the IZC in local zoning ordinances.

Instructor: Dan Peterson, AACE Instructor**Experience Level:** All**CEU:** 0.8

**Multi-Family Construction and the IBC****Session 63**

This one-day class provides an overview of the requirements for multiple-family dwellings in the IBC. This class will discuss the design, construction and inspection of Group R-2 occupancies including, building planning, fire resistance-rated construction, fire protection requirements and means of egress. Covers Type VA construction and difficulties encountered when building structures.

Instructor: Tom Myers**Experience Level:** All**CEU:** 0.8**Plumbing Essentials – Half Day - AM****Session 64**

This seminar provides a general overview of the plumbing code. Attendees will be taught how the code is organized, how to apply the code and receive an introduction to key concepts and provisions. Topics covered will include: definition, general regulations, fixtures and fittings, water heaters, water supply and distribution, drainage, vents, and traps and interceptors.

Instructor: Tim Collings, IAPMO Instructor**Experience Level:** All**CEU:** 0.4**Mechanical Essentials – Half Day - PM****Session 65**

This seminar provides a general overview of the mechanical code. Attendees will be taught how the code is organized, how to apply the code and receive an introduction to key concepts and provisions. Topics covered will include; definition, general regulations, ventilation, exhaust, ducts, combustion air, boilers and refrigeration.

Instructor: Tim Collings, IAPMO Instructor**Experience Level:** All**CEU:** 0.4**Spanish-In-A-Pinch****Session 66**

This seminar features a unique visualphonetic® approach to learning and retaining Spanish, complimented by profession-specific “Cheat Sheets.” The seminar presents expressions and cultural insights. Upon completion, participants will be better able to share cultural insights, build language confidence, utilize an easy pronunciation key, speak four to five sentence patterns and expressions, speak profession-specific vocabulary.

Instructor: Debbie Jones, ICC Instructor**Experience Level:** Entry**CEU:** 0.8**FRIDAY****2009 IRC Update – Half Day - AM****Session 67**

This half day seminar is an overview of the changes from the 2006 to the 2009 IRC. Changes in organization and code requirements are identified, and the applicability of these requirements to design, plan review and inspection is identified. Upon completion, participants will be better able to identify the most significant differences between the 2006 IRC and the 2009 IRC, explain the differences between the current and previous edition, identify changes in organization and code requirements, identify the applicability of design, plan review and inspection requirements.

Instructor: ICC Instructor**Experience Level:** All**CEU:** 0.4

**2009 IECC Update Class – Half Day - PM****Session 68**

This half-day class overviews the changes from the 2006 to the 2009 IECC. Identifies changes in organization and code requirements and the applicability of these requirements to design, plan review and inspection. Participants will be better able to identify the most significant differences between the 2006 IECC and the 2009 IECC; explain the differences between the current and previous edition; identify changes in organization and code requirements; identify the applicability of design, plan review and inspection requirements.

Instructor: ICC Instructor**Experience Level:** All**CEU:** 0.4**2009 UPC/IPC Update Class – Half Day - AM****Session 69**

This half-day seminar will discuss notable changes between the 2006 Uniform Plumbing Code (UPC) and *International Plumbing Code*® (IPC®) and the 2009 UPC & IPC editions. Accordingly, the changes are noted during the seminar and supporting information about the changes is provided. General topics such as administration, definitions and general requirements are covered as well as specific topics that include water heaters, water supply and distribution, traps and interceptors, health care facilities, and medical gas and vacuum systems.

Instructor: Tim Colings, IAPMO Instructor**Experience Level:** All**CEU:** 0.4**2009 UMC/IMC Update Class – Half Day - PM****Session 70**

This half-day seminar will discuss the notable changes between the 2006 *International Mechanical Code*® (IMC®) and the 2006 Uniform Mechanical Code (UMC) and the 2009 IMC and 2009 UMC. Accordingly, the changes are noted during the seminar and supporting information about the changes is provided. General topics such as definitions and general regulations are covered as well as specific topics that include, but are not limited to exhaust systems, duct systems, combustion air, ventilation, chimneys and vents, hydronics, steam and hot water boilers.

Instructor: Tim Colings, IAPMO Instructor**Experience Level:** All**CEU:** 0.4**Advanced Analysis; Egress Design in Assembly Uses****Session 71**

This class will cover the means of egress design requirements contained in Chapter 4, Chapter 10 and specifically those for assembly uses as required by Section 1025 of the 2006 IBC. Please bring the 2006 IBC and a calculator.

Instructor: Greg Keith**Experience Level:** Advanced**CEU:** 0.8**Conductors and Terminations – Half Day - AM****Session 72**

This seminar is designed to explain the ampacity and condition of use for various conductors used in the electrical industry. Different conditions involving conductor terminations such as temperatures, number of conductors in a raceway, continuous loads, and all play a part in determining the correct conductor for a particular installation. Basic principles to determine conductor ampacities are covered in detail. Principles presented are selection of conductors using the Allowable Ampacity Tables by calculation, ampacity correction factors for high ambient temperatures and for excessive conductors, rules on termination temperatures, conductors supplying a continuous load, equipment manufacturer's installation instructions, and selecting conductors for environmental conditions.

Instructor: Christel Hunter, IAEI instructor**Experience Level:** Intermediate**CEU:** 0.4



Electrical Hazards Encountered by Code Enforcement – Half Day - PM

Session 73

This class is structured for the person with no background or limited knowledge of the electrical field. It will focus on identification of immediate electrical hazards and the electrical hazards involved in code enforcement inspections. It will include an overview of electrical services, feeders, branch circuits, electrical devices and appliances.

Instructor: Rick Maddox, Randy Hunter

Experience Level: All

CEU: 0.4



Continued Use and Reuse of Existing Buildings – Half Day - AM

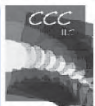
Session 74

This half-day seminar addresses the relationship of the IBC to existing buildings, as well as the use of the IEBC. Focuses on the fundamental requirements of IBC Chapter 34 that are placed on an existing structure that undergoes repair work, alteration, renovation activity or construction of an addition, and the effect of a change in the building's occupancy classification. Discusses the "compliance alternatives" method of Section 3409. Topics include regulations of additions, alterations and repairs, changes of occupancy considerations, compliance alternatives and application of the IEBC.

Instructor: Dan Weed

Experience Level: Intermediate-Advanced

CEU: 0.4



Tenant Improvement Aspects of Assembly, Business, and Mercantile Occupancies – Half Day - PM

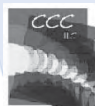
Session 75

This half-day seminar identifies IBC provisions applicable to the design and construction of tenant space improvements. Addresses the three most common types of uses: business, mercantile and assembly. Emphasizes options available in the code for gaining compliance. Discusses occupancy separations and fire areas, type of construction features, fire-resistance-rated construction, interior finish materials, fire protection features, means of egress components and means of egress design.

Instructor: Dan Weed

Experience Level: Intermediate-Advanced

CEU: 0.4



Extreme II; Plan Review & Inspections (Performance)

Session 76

This seminar continues from where Extreme I ended, but emphasizes the performance based design approach in large, complex buildings. Alternate Means and Methods, Code Modifications, Engineered Systems and other legal remedies are explored to satisfy code requirements. Extreme 2 will also include IECC and green buildings concepts.

Instructor: Steve Thomas

Experience Level: Advanced

CEU: 0.8



Flammable Finishes, Spraying and Dipping Operations

Session 77

This seminar introduces participants to the requirements of Chapter 15 of the 2006 *International Fire Code*® for the application of Flammable Finishes. This seminar will explain the requirements for the protection of operations, flammable finishes, powder coating and manufacturing of rigid thermoplastics. The seminar includes a detailed review of the 2006 *International Mechanical Code*® requirements for hazardous exhaust systems.

A variety of processes and materials are available for the application of flammable finishes. Liquids can be atomized into aerosol and sprayed on to objects or goods can be immersed into open tanks. In a process known as powder coating, ionized solids are suspended in air and attach to metal objects because of an electrical charge. Rigid thermoplastics are manufactured using glass fibers that are applied using a resin and chemically activating it using a chemical catalyst.

Instructor: Scott Stookey, ICC Instructor

Experience Level: Intermediate - Advanced

CEU: 0.8

**Intermediate Fire Alarm (NICET Level I & II), Day 2 of 2****Session 61**

This is the second day of a two-day class. This seminar provides training on the requirements for proper design, installation, testing and maintenance of fire alarm systems, as well as providing education to assist applicants wishing to become NICET Level II certified in the field of Fire Alarm Systems. It provides an in depth review of the requirements of NFPA 72, National Fire Alarm Code and the fire alarm wiring requirements of NFPA 70, National Electrical Code. The attendee should have a minimum of 2 years field experience to obtain maximum benefits of this course.

Please bring a calculator.

Book Fee: \$75.00 (includes NFPA Standard and all workbooks/handouts)

Instructor: Mike Baker, AFAA Instructor

Experience Level: Intermediate

CEU: 1.6

**Repair, Re-pipe and Retrofit of Defective Water Systems – Half Day - AM****Session 78**

This seminar will provide the attendee with background information regarding the outbreak of failures in domestic water systems. This class will describe the repair, re-pipe and retrofit of water piping systems. Topics will include: 1) Problem recognition; 2) Solution options for PEX-AL-PEX or PE-AL-PE (Kitec), CPVC, PEX (Wirsbo, John Guest, Sioux Chief, etc.) and copper; 3) Associated Fittings; 4) Restoration and remediation options; and 5) Avoiding similar problems in new construction. Attendance in this class will facilitate a successful and code compliant solution for all repairs, re-pipe and retrofit of defective water systems.

Instructor: SNICC Instructor

Experience Level: All

CEU: 0.4

**Repair, Re-pipe and Retrofit of Defective Water Systems – Half Day - PM****Session 79**

This seminar will provide the attendee with background information regarding the outbreak of failures in domestic water systems. This class will describe the repair, re-pipe and retrofit of water piping systems. Topics will include: 1) Problem recognition; 2) Solution options for PEX-AL-PEX or PE-AL-PE (Kitec), CPVC, PEX (Wirsbo, John Guest, Sioux Chief, etc.) and copper; 3) Associated Fittings; 4) Restoration and remediation options; and 5) Avoiding similar problems in new construction. Attendance in this class will facilitate a successful and code compliant solution for all repairs, re-pipe and retrofit of defective water systems.

Instructor: SNICC Instructor

Experience Level: All

CEU: 0.4

**Residential Building Inspections (Field Inspection Process)****Session 80**

This class provides new residential inspectors with basic techniques and an understanding of conducting inspections of one- and two-dwelling and townhouse buildings. The discussion will include preparation, presentation and inspections of the building, plumbing, mechanical and electrical portions of a building.

Instructor: Tom Meyer

Experience Level: Beginning

CEU: 0.8



Special Inspector Certification Renewal

Session 81

This seminar is designed as a certification renewal update seminar for special inspectors and is tailored to the needs and interests of ICC's five special inspector certification categories: Reinforced Concrete, Pre-stressed Concrete, Structural Masonry, Structural Steel and Welding, and Spray-Applied Fireproofing. This seminar applies in-part for certification renewal for the 2006 edition of the *International Building Code®* (IBC®). The seminar addresses the 2006 IBC and referenced material standards, and how the 2006 IBC will affect the jobs tasks of the special inspector. Seminar topics to include; ICC National Certification Program; national recognition for special inspectors; overview of the "new" Special Inspector Certification Maintenance Program; overview of the 2006 special inspection provisions and related material standards—including new duties and responsibilities for the special inspector. Additionally, the program will include a special segment to be presented by local building official addressing "Special Inspection Practice".

Instructor: Gerald Neville, ICC Instructor

Experience Level: Intermediate-Advanced

CEU: 0.8



The Monte Carlo Hotel Fire – A Case Study – Half Day - AM

Session 82

On January 25, 2008 fire engulfed the south/west exterior facade of the 32-story Monte Carlo Hotel and Casino. The heat and flames broke out several windows, but automatic sprinklers kept the fire from entering the building. It took the heroic efforts of the suppression crews to stop the fire's progression. Our speakers were involved in the ensuing forensics investigation and determination of the contributing aspects. Join them as they discuss the issues, lessons learned and whether these combustible exterior facades should continue to be allowed.

Instructor: Doug Evans, FPE, Jesse J. Beitel, FPE

Experience Level: All

CEU: 0.4



The Monte Carlo Hotel Fire – A Case Study – Half Day - PM

Session 83

On January 25, 2008 fire engulfed the south/west exterior facade of the 32-story Monte Carlo Hotel and Casino. The heat and flames broke out several windows, but automatic sprinklers kept the fire from entering the building. It took the heroic efforts of the suppression crews to stop the fire's progression. Our speakers were involved in the ensuing forensics investigation and determination of the contributing aspects. Join them as they discuss the issues, lessons learned and whether these combustible exterior facades should continue to be allowed.

Instructor: Doug Evans, FPE, Jesse J. Beitel, FPE

Experience Level: All

CEU: 0.4



The Spectrum of Hoarding; History and Intervention Methods – Half Day - AM **Session 84**

Major topics to be covered include the: 1. History of Hoarding from Diogenese Syndrome; 2. Dispophobia, collecting and cluttering; 2. Clinical Interventions: What's New?; 3. Safety For Workers and First Responders.

Instructor: Barbara Massey

Experience Level: All

CEU: 0.4



The Spectrum of Hoarding; Intervention Methods and Safety – Half Day - PM **Session 85**

Major topics to be covered include the: 1. History of Hoarding from Diogenese Syndrome; 2. Dispophobia, collecting and cluttering; 2. Clinical Interventions: What's New?; 3. Safety For Workers and First Responders.

Instructor: Barbara Massey

Experience Level: All

CEU: 0.4



Thoroughly Modern Leadership – Half Day - AM

Session 86

Thoroughly Modern Leadership examines the shift in thinking and application of skills in leadership and primarily focuses on a more people centered approach to supervision and management. As the working environment has changed and as our team members have changed in their motivations, passions and expectations from an employer, our leadership skills need to evolve to engage new generations and new paradigms.

The program begins by examining the biggest obstacle involved in changing and evolving leadership skills followed by the constants in leadership regardless of era. Progressing into outdated leadership concepts, the program then contrasts effective and modern leadership principles that will energize, guide and transform employees into partners. The six roles of leadership and the 22 characteristics of effective leadership are highlighted.

Instructor: Tim Schneider

Experience Level: All

CEU: 0.4



Strategic Planning, Vision and Mission – Half Day - PM

Session 87

Creating and executing a vision and mission are key skills associated with effective leadership. The class will also present strategic planning functions and how to maximize results using an effective plan.

Instructor: Linda Florence

Experience Level: All

CEU: 0.4



Trade Show and Bookstore

**Everyday in the Decatur Ballroom
Monday - Friday
7 A.M. — 5 P.M.**

REGISTRATION INFORMATION

Registration includes: Instruction, reference materials or books (when applicable), lunch and break refreshments. Codes and other reference books are NOT provided and are the responsibility of the student. For your convenience, code books and other reference materials may be purchased from the Code Council on-site bookstore during the conference. Please review the session descriptions for required reference materials.

SAVE MONEY — REGISTER EARLY

REGISTRATION COSTS

Early Registration

\$600 - Full Five Day Week per Registrant
\$150 - Per Day or Session

Early Registration ends on **February 6, 2009**

Late or On-site Registration

\$800 - Full Five Day Week per Registrant
\$200 - Per Day or Session

REGISTRATION METHODS

1. REGISTER ONLINE

The Code Council's secure website: **www.iccsafe.org/training**. Follow the easy online directions.

2. REGISTER BY MAIL

Complete the registration form on the next page and mail to: **EduCode Registrar**

**International Code Council
Chicago District Office
4051 West Flossmoor Road
Country Club Hills, Illinois 60478**

3. EDUCODE HELP LINE

Contact the Code Council at 1-888-422-7233 extension 33817 or rjackson@iccsafe.org.

CONFIRMATION

Registration confirmation will be sent by EduCode within two days of receipt of registration.

CANCELLATION POLICY

If you need to cancel, EduCode must receive notification in writing by February 6, 2009 for you to receive a full refund. All refund requests after this date may receive credit towards future EduCode conference attendance.

REGISTRATION CHECKLIST

- Call the Code Council at 1-888-422-7233, extension 33817 or online at: www.iccsafe.org/training
- Best Value \$\$ - Full week Registration
- Deadline February 6, 2009

IMPORTANT DETAILS

CONFERENCE LOCATION

The Orleans Hotel, 4500 W. Tropicana Avenue, Las Vegas, Nevada. EduCode is located on the mezzanine level. Facilities are in compliance with the Americans with Disabilities Act regulations.

ROOM RESERVATIONS

Room reservations must be made by January 29, 2009 to take advantage of the \$67 per night EduCode rate. **Book your hotel rooms early, using group code EDU0221, as the hotel will sell out and rooms may not be available.**

Contact the Orleans Hotel directly at 800-675-3267 or online at **www.orleanscasino.com**. EduCode attendees must inform the hotel that they are with EduCode to receive the special EduCode rates of **\$67 per night** from Sunday through Thursday, and **\$124 per night** for Friday and Saturday nights. To maintain current student fees it is **very important** that attendees tell the Orleans that they are with EduCode so that the conference receives credit.

SUBSTITUTIONS

When a registrant cannot attend a class a substitute may attend. Prior to February 6, 2009 contact the Code Council at 1-888-422-7233 x 33817. After February 6, 2009 requests for substitutions must be made in person with the EduCode registrar at the Conference Location.

CREDIT CARDS

Credit cards used for Orleans hotel reservations must have an individual's name embossed on the card being used. Be aware that not all jurisdiction or company credit cards have the user's name embossed on the card.

CONTINUING EDUCATION INFORMATION

All EduCode sessions are recognized by ICC for CEU's towards maintenance of your ICC certifications. Check with your local licensing board for additional CEU requirements.

SN-ICC and the Code Council reserves the right to photograph or videotape classes and seminars for promotional purposes. Your registration serves as permission to SN-ICC and the Code Council to copyright, publish and use your likeness in print, online or in other media. If you do not wish to be photographed or videotaped, please tell the camera operator.

HOTEL CHECKLIST

- Call Orleans Hotel at 1-800-675-3267 or www.orleanscasino.com
- Use EduCode Group Code **EDU0221**
- Deadline January 29, 2009



ICC Membership Number:

First Name:			
Middle Initial:			
Last Name:			
Job Title for Badge:			
Name for Badge:			
Jurisdiction/Organization:			
Address:			
City:			
State/Province:			
Zipcode:			
Country:			
E-Mail:			
Day Telephone:		Extension:	
Night Telephone:		Fax Number:	
Please indicate if you have dietary restrictions or require special accessibility or accommodations:			

REGISTRATION INFORMATION

- Best Value \$\$ - Full week Registration
- Deadline February 6, 2009
- Place all day class number or AM session for ½ day
- Total "Book Fees" (If required)
- Full Conference Rate = \$600.00 per person
- Individual Session Rate = \$150.00 per person per day

ATTENDANCE OPTIONS — PREREGISTRATION

SELECT COURSES

(LIST SESSION NUMBER AND BOOK FEE AMOUNTS.)

	Monday	Tuesday	Wednesday	Thursday	Friday
AM or All Day					
PM					
Book Fee	\$	\$	\$	\$	\$

CALCULATE PAYMENT.

I am attending all 5 days — \$600 (early) — \$800 (late)	\$
I am attending less than 5 days — \$150 per day (early) — \$200 per day (late)	\$
Total Book Charge	\$
Total	\$

PAYMENT OPTIONS (CHECK ONE)

<input type="checkbox"/>	Bill Me (Code Council Members only)	Member #
<input type="checkbox"/>	Payment Enclosed (Checks payable to: International Code Council)	
<input type="checkbox"/>	Credit Card Payment: <input type="checkbox"/> Visa <input type="checkbox"/> Mastercard <input type="checkbox"/> American Express <input type="checkbox"/> Discover	
<input type="checkbox"/>	Card Number	Exp. Date: /

Cardholder Signature: _____ Date: _____

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EARLY REGISTRATION

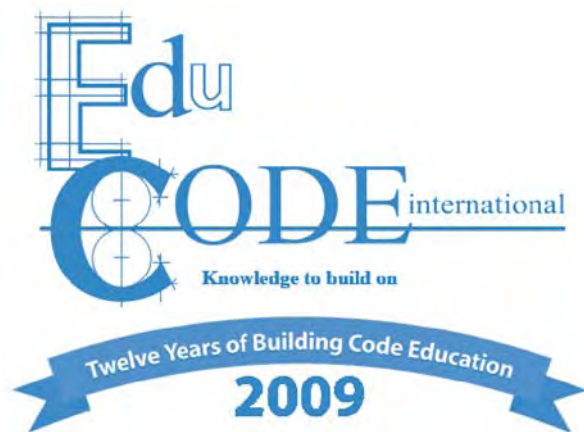
The last date to apply for this price is
February 6, 2009

\$600 - Full Five Day Week per Registrant
\$150 - Per Day or Session

LATE OR ON-SITE REGISTRATION

\$800 - Full Five Day Week per Registrant

\$200 - Per Day or Session



REGISTRATION CHECKLIST

- Call the Code Council at
1-888-422-7233, extension 33817
or online at: www.iccsafe.org/training
- Best Value \$\$ - Full week
Registration
- Deadline February 6, 2009

HOTEL CHECKLIST

- Call Orleans Hotel at 1-800-675-3267 or
www.orleanscasino.com
- Use EduCode Group Code **EDU0221**
- Deadline January 29, 2009

Pre-Registered?

Go directly to the Decatur Ballroom and pick-up your registration packet.

Walk-in Registration?

Walk-in registrants should go directly to registration in the Decatur Ballroom and meet with the on-site registrar.

Registration Hours

7:00 A.M. - 7:30 A.M.

12:30 P.M. - 1:00 P.M.

Full-Day Class Schedule (0.8 CEU)

Classes start: 7:30 A.M.
Lunch Break 1½ hour Break (New this year)
Classes End 5:00 P.M.

Half-Day Class Schedule (0.4 CEU)

A.M. Classes 7:30 A.M. - 11:30 A.M.
Lunch Break: 1½ hour Break (New this year)
P.M. Classes 1:00 P.M. - 5:00 P.M.



February 23 - 27, 2009

THE ORLEANS HOTEL • LAS VEGAS, NEVADA

www.iccsafe.org/training • www.educode.us

1-888-ICC-SAFE (422-7233), ext. 33817



**International Code Council
Training & Education
4051 West Flossmoor Road
Country Club Hills, IL 60478**