



INTERNATIONAL
CODE
COUNCIL®

People Helping People Build a Safer World®



6th Central Texas

Building Professional Institute

October 29-31, 2018
Exhibitor Showcase Daily

Hilton Austin Airport
9515 Hotel Drive
Austin, Texas 78719
512-385-6767



PREFERRED
EDUCATION
PROVIDER



The Building Professional Institute is sponsored by the Building Officials Association of Texas.

6th Annual Central Texas Building Professional Institute

TRACK	Monday		Tuesday		Wednesday		
	AM	PM	AM	PM	AM	PM	
	October 29, 2018		October 30, 2018		October 31, 2018		
ELECTRICAL						Basic Electrical Inspection and Wiring Methods <i>Session 1</i>	
IBC and PLAN REVIEW	Exiting and the 2015 International Building Code (IBC) <i>Session 2</i>		IBC 2015 Fundamentals <i>Session 3</i>		IBC 2015 Mixed Occupancies <i>Session 4</i>	IBC 2015 Allowable Heights and Area <i>Session 5</i>	
PERMIT TECH	The Complete Role of the Permit Technician – Day 1 <i>Session 6</i>		The Complete Role of the Permit Technician – Day 2 <i>Session 7</i>				
PLUMBING	Plumbing Inspector License Recertification <i>Session 8</i>		Engineered, Single Stack and other Methods of Venting <i>Session 9</i>	Understanding Condensate Recovery <i>Session 10</i>			
MECHANICAL	Commercial Mechanical Inspections with Emphasis on Fuel Gas Venting and Combustion Air <i>Session 11</i>				2015 IECC Commercial Mechanical Provisions <i>Session 12</i>		
DISASTER TRAINING			Post Disaster Damage Assessment Training <i>Session 13</i>				
CONTAINER HOMES						Is the Container safe to use as a building? <i>Session 14</i>	Field Trip to Container Home Mfg. Plant <i>Session 15</i>
CODE ENFORCEMENT	Legal Aspects plus 1-Hour Updates <i>Session 16</i>	Verbal Judo <i>Session 17</i>	Building & Code Professional Interviewing/Hiring/Onboarding Workshop <i>Session 18</i>		Fundamentals of the International Property Maintenance Code (IPMC) <i>Session 19</i>		
RESIDENTIAL (IRC)	Advanced Residential Plan Review <i>Session 20</i>		Moisture Intrusion <i>Session 21</i>		Inspecting Wood Frame Construction <i>Session 22</i>		



COURSE DESCRIPTIONS AND INSTRUCTORS

Electrical

**Wednesday
AM/PM**

Basic Electrical Inspection and Wiring Methods

This is a basic to intermediate level all-day class on wiring methods and installation requirements in the National Electrical Code (NEC) in both residential and commercial installation. Review of common installation discrepancies including sizing device, junctions, straight, angle, and "U" pull boxes base on NEC Article 314. How to coordinate and adjust conductor sizes to circuit breakers and fuses found in NEC Articles 240 and 310. Raceway/Conduit fill lamination using NEC Chapter 9. Wire and overcurrent sizing for Motors and Air-Condition Equipment will be addressed. Also, how to use and apply the tables in NEC Article 250 for grounding and bonding. Additional material will cover the TDLR law, rules, and electrical safety NFPA 70E © for State of Texas electrical license renewal. TDLR Course # Pending
Instructor: Bill McGovern-Electrical Solution Code Services

IBC and Plan Review

**Monday
AM/PM**

Exiting and the 2015 International Building Code (IBC)

This class is an overview of the means of egress requirements included in Chapter 10 of the IBC. The presentation will include detailed discussions on the design of the means of egress in buildings. Subjects included in the class are the three parts of the means of egress system plus occupant loads, egress width, number of exits, types of exits, travel distance and common path of egress travel. Practical examples and class exercises will be used illustrate and apply code requirements.

Instructor: Gill Rossmiller- Colorado Code Consulting LLC

**Tuesday
AM/PM**

IBC 2015 Fundamentals

This course will focus on the basic concepts of the 2015 IBC. The concepts provide basis for the correct use of the code. A clear understanding of the identified requirements allows the code user to apply the IBC in specific situations and helps to build an understanding of the intent of the code. Students should bring the 2015 IBC

Instructor: Gill Rossmiller-Colorado Code Consulting LLC

**Wednesday
AM**

IBC 2015 Mixed Occupancies

Based on the provisions of the IBC the course will address two or more occupant classifications. The three mixed occupancies options are presented along with examples and exercises that illustrate proper applications of the provisions.

Instructor: Gill Rossmiller- Colorado Code Consulting LLC

**Wednesday
PM**

IBC 2015 Allowable Heights and Area

Based on the 2015 IBC this course will focus on how building occupancy classifications and types of construction relate to the maximum size of the building. The approach to determine a building maximum allowable height and area is explained, including the use of tables found within the code and the permitted increases due to sprinkler and open space.

Instructor: Gill Rossmiller-Colorado Code Consulting LLC



COURSE DESCRIPTIONS AND INSTRUCTORS

Permit Tech

**Monday
AM/PM**

The Complete Role of the Permit Technician- Day 1

This course is a 2-day course for anyone wanting to learn the detailed information with regards to the roll of a Permit technician. Customer Service, Project Applications, Basic Building Concepts, Permit Issuance and Fees, Inspections and Certificate of Occupancy, Public Information and Legal Requirements, Records Management, Record Research, Appeals and Revocations, Review Related Documents, Occupancy Use Groups and Types of Construction, Map Reading, Performing Calculations and Using of Scales, Land Use, Right-of-Way, Utilities and Easements, Site Plan Review. Even though this is not an exam preparation course, it will be helpful for anyone that is preparing for the exam.

Instructor: Frank Morris-Tri-State Consultant

**Tuesday
AM/PM**

The Complete Role of the Permit Technician- Day 2

See class description above. Each day's material is stand alone. **While it is recommended that students take both days, it is not required.**

Instructor: Frank Morris-Tri-State Consultant

Plumbing

**Monday
AM/PM**

Plumbing Inspector License Recertification

Mandated continuing education course for licensed Plumbing Inspectors and Code Enforcement Officers whose license expired on January 31, 2019. Overview of the Texas Plumbing Licensing Law and Board Rules. Provides participants with the continuing education units required for plumbing license renewal. Approved by the Texas State Board of Plumbing Examiners for the 2018 and part of 2019 continuing education year (includes minimum of 1 hour of Legal Updates).

This is an 8 hour class that starts at 8:00 am and ending at 5:00 pm.

Instructor: Robert Doran- Plumbing Continuing Education

**Tuesday
AM**

Engineered, Single Stack and other Methods of Venting

There are a number of ways to properly vent commercial plumbing systems including the engineered systems. This class will explore all the different methods, the different products and the code requirements. This course will give the students a better understanding of how to apply the code when confronted with the various systems.

Instructor: Robert Doran-Plumbing Continuing Education

**Tuesday
PM**

Understanding Condensate Recovery

This course will explore the "how's and why's" of a Condensate recovery system. It will help the student understand the process of reusing the water and heat contained in the discharged condensate. Recovering condensate instead of throwing it away and why it can lead to significant savings of energy, chemical treatment and make-up water and code requirements.

Instructor: Robert Doran-Plumbing Continuing Education



COURSE DESCRIPTIONS AND INSTRUCTORS

Mechanical

**Monday
AM/PM**

Commercial Mechanical Inspections with Emphasis on Fuel Gas Venting and Combustion Air

Commercial Mechanical Inspections with an emphasis on Fuel Gas Venting and Combustion Air". This class will cover design, sizing and installation of commercial mechanical systems with an emphasis on Fuel Gas Venting and Combustion Air.

Instructor: Sam Dardano-Consultant

**Wednesday
AM/PM**

2015 IECC Commercial Mechanical Provisions

This 2015 IECC commercial training session was developed for plan review and inspection staff involved in the design, construction, and enforcement of residential and commercial buildings. The training will also be relevant to the building, design, and energy consulting industry. Subjects addressed in this training include:

- General requirements including climate zones, design conditions, materials, systems, additional efficiency package options, building performance, and commissioning
- Building envelope insulation, windows, skylights, and doors
- Air sealing requirements including the continuous air barrier
- HVAC requirements for single zone unitary systems and complex mechanical systems
- Service water heating requirements including controls and piping insulation
- Lighting power density, control requirements including daylighting, motors, escalators and elevators

Instructor: Brent Ursenbach-Code Consultant

Disaster Training

**Tuesday
AM/PM**

Post Disaster Damage Assessment Training

This class is intended to teach building professionals (architects, engineers, building officials, building inspectors, etc.) to perform rapid safety evaluations of damaged structures following a disaster. A basic knowledge of the National Incident Management System, construction and structural load paths will be needed. This session will focus on the required equipment, forms, procedures and personal safety needed to determine if buildings should be occupied based on the extent of damaged. This is a must for local building officials as Texas has seen more disasters in the last several years than any other State. Real experiences will be shared from many Texas disasters and how damage assessment was performed.

Instructor: Jim Olk- City of Garland



COURSE DESCRIPTIONS AND INSTRUCTORS

Container Homes

**Wednesday
AM**

Is the container safe to use as a building?

Shipping containers are strong, corrosion resistant, and are beginning to fill building needs across diverse residential, industrial, commercial, and retail applications as building blocks in the construction of restaurants, offices, apartments, dorms, emergency shelters, homes, and more. Stephen will bring attendees up to speed on the latest in the container-based structures sector, outlining the features and benefits - and occasional misapplications - of using ISO containers in modular construction.

The ICC has three major initiatives addressing shipping containers. The ICC / MBI Guidelines, the addition of new language to the 2021 IBC, and the ICC-ES Acceptance Criteria 462. Get the latest updates on policies, regulations, and efforts surrounding the safe use of modified ISO shipping containers. Stephen has worked on these initiatives since 2016 as the industry ambassador, has Co-Chaired the Container Industry Task Force and is Contributing Author of the Whitepaper "Safe Use and Compliance of Modified ISO Shipping Containers for use as Buildings and Building Components".

Instructor: Stephen Shang- CEO and Co-Founder Falcon Structures

**Wednesday
PM**

Field Trip to Container Home Manufacturing Plant

The Class will enjoy a field trip to the Manufacturing Plant to get a close look at the units and their construction. This class is limited in size due to transportation issues. Register early. Transportation provided. **Please bring Hardhats**

Code Enforcement

**Monday
AM**

Legal Aspects plus 1-hour update.

This course provide the 1 hour of legal updates on code enforcement and topics such as traditional methods of code enforcement, legal tools available for code enforcement, liability of code officers and building officials/inspectors and constitutional constraints on code enforcement activities

Instructor: Janet Spugnardi, JD-City of Irving Attorney

**Monday
PM**

Verbal Judo

This course teaches how to deploy the tactics of empathy instead of sympathy, better citizen interaction with hands on demonstrations and how to handle of deal with an irate citizen. Good customer service and positive community response is the goal.

Instructor: Lee Watts-City of Killeen

**Tuesday
AM/PM**

Building & Code Professionals Interview/Hiring/Onboarding Workshop

This interactive full day course will take you down the scenic route of interviewing from both sides of the table, including application/resume writing tips; interview coaching; mock interviews/critiques; candidate selection tips; and finally, onboarding guidance. Learn how to produce a win-win outcome for both the interviewer and interviewee!

Instructor: Teresa Adrian- City of Irving



COURSE DESCRIPTIONS AND INSTRUCTORS

**Wednesday
AM/PM**

Fundamentals of the International Property Maintenance Code (IPMC)

This seminar provides code officials and other interested parties with the fundamental knowledge necessary to administer and enforce applicable code requirements of the IPMC. This information will increase the participants ability to locate, describe and apply the appropriate code sections of the IPMC in order to determine compliance or noncompliance with performing a residential or commercial inspection

Instructor: James Quigley, M.C.P.,C.B.O.,B.C.O.

International Residential Code (IRC)

**Monday
AM/PM**

Advanced Residential Plan Review

This class will provide a systematic, common sense approach for residential plan review for One and Two-Family Dwellings, for the recognition of code compliance. The International Residential Code, Chapters 1 through 10 and Reference Standards will be used for a portion of the specification base. Third party testing, Evaluations Services, ICC, and industry and manufacturer's standards will all be addressed in the plan review process. Students should bring their latest version of the IRC

Instructor: Russell Thornburg-Consultant

**Tuesday
AM/PM**

Moisture Intrusion

During this session, we will discuss the building science behind moisture intrusion in the residential environment in relation to building code requirements. This course will examine the concepts of sustainability, net zero energy, and durability design criteria in terms of providing fundamental information on the 2012 International Residential Code exterior weather barrier provisions. Participants will learn through a detailed examination of the exterior wall envelope weather-barrier components, roof assembly components, and foundation elements how to avoid moisture intrusion problems and how to conform to the requirements of the 2012 IRC. The class will be of interest to designers, general and sub-contractors, building inspectors, plans examiners, architects or engineers, and anyone working in the one-and two-family dwelling environment. Students should bring their latest version of the IRC

Instructor: Russell Thornburg-Consultant

**Wednesday
AM/PM**

Inspecting Wood Frame Construction

Will cover wall framing, roof-ceiling construction along with engineered wood products and designs. Light conventional wood-frame construction, load paths, notching and boring, girders and headers, connections and brace walls, and roofing provisions of rafters and roof truss will be covered. This course is applicable to all aspects of the design/construction/regulatory community, including contractors and design professionals. Students should bring their latest version of the IRC

Instructor: Russell Thornburg-Consultant



INSTRUCTOR PROFILES

Teresa Adrian is the Director of Code Enforcement and has been with the City of Irving for 19 years. She holds multiple ICC certifications and is a Green Belt in Lean Six Sigma. Teresa is a Director at Large for the BOAT Board and is the Presiding Officer for the TDLR Code Enforcement Officers Advisory Committee.

Sam Dardano has 50 years experiences in HVAC; teaches Mechanical Code Classes for Redstone College, serves as technical consultant to country and city agencies for Mechanical/Fuel-Gas codes; Mechanical Plan Review for ICC.

Robert Doran is a Master plumber for nearly 30 years; began his teaching career with Texas A&M University Engineering Extension Services at the Beginning of the CPE program in 1994; active member of ASPE DFW chapter, and donates his time to many different types of training towards the Health and Safety of the state; personally contributed in the development of all the training manuals, including writing for the CPE books, and designing of power point presentations to maximize the time-to-learn ratio to insure the best possible score on all certification tests; currently involved with the Texas Residential Fire Sprinkler Coalition in demonstrating the importance of sprinkler systems in the home.

Bill McGovern was the previous Electrical Inspection Services Supervisor for the City of Plano, Texas. He represents Intertek as an alternate member on CMP-2 and formally served as Chairman on the ICC Electrical Exam Development. Bill also serves as a committee member on various NECA National Electrical Installation Standards (NEIS). Bill served in the United States Marine Corps as an Aircraft Electrician, completed an electrical apprenticeship in the IBEW and holds a Master Electricians license in the State of Texas.

Frank C. Morris, CBO, CEAP, MCP, is a noted speaker who has more than 44 years' experience in the construction industry as a contractor, building official and consultant. Although he is not a practicing Building Official, Mr. Morris remains current with his CBO, CEAP, MCP and MCEP designations. He is still one of the top certified Building Officials in the United States. He has taught for SBCCI and ICC and also provides consulting services to the construction industry.

Jim Oik is Building Official for the City of Garland, Texas. Jim has worked for municipal governments for over 35 years. Jim serves on several local, regional and national Boards and Councils. Jim heads up the Disaster Response Team for the Building Officials Association of Texas and was the Lead Responder for damage assessment for 8 disasters including the fertilizer plant explosion in West, tornado in Cleburne, and the flood and tornado in Garland, and Hurricane Harvey along the Texas Gulf Coast.

James Quigley, M.C.P., C.B.O., B.C.O. is the president of National Code Consultants, Inc. He serves as general manager of National Inspection agency a division of NCCI. He has served in many government code administration capacities: Housing Inspector, Rehabilitation Technician, Chief Inspector, Codes Administrator and Community Development Director for the City of Harrisburg. He administers and teaches in the only college level degree program in building codes in the Commonwealth of Pennsylvania, in addition to numerous seminars for federal, state and local governments through ICC, Rutgers University, the University of Maine, the University of Wisconsin, Penn State University and the University of Minnesota.



INSTRUCTOR PROFILES

Stephen Shang is the CEO and co-founder of Falcon Structures, the leading manufacturer of shipping container-based structures. Under his leadership, the Falcon team has created safe and quickly deployable container-based structures and expanded its markets from construction, to defense, and now to virtually every industry seeking a better way to create functional space. Since launching the company in 2003, Falcon has modified over one million square feet of container space and won numerous awards for its structures.

Drawing on Falcon's experience, Shang serves as an industry ambassador advocating for the safe use of containers for container-based structures. In light of the rapidly changing regulatory environment, Shang has helped forge and achieve sensible standards and building codes for using shipping containers as building materials by working with the International Code Council (ICC) and the Modular Building Institute (MBI). In 2018, Shang was awarded the MBI Volunteer of the Year.

Shang is a graduate of The University of Texas at Austin and the Massachusetts Institute of Technology's Entrepreneurial Master's Program.

Gill Rossmiller is a Colorado Code Consulting; Retired. Active in building and energy code development; over 30 years in construction industry; hands on perspective to building code compliance.

Janet Spugnardi, J.D. Janet has over 12 years of experience serving as legal counsel for cities in the State of Texas, with a primary emphasis on code Enforcement issues: Joined the City attorney's Office of Irving, where she handles various transactional, litigation, and appellate matters for the City and serves as the staff attorney for both the Building and Standards Commission and the Planning and Zoning Commission. Janet is recipient of the Daniel J. Curtin Young Public Lawyer of the Year award from the International Municipal Lawyers Association.

Russell Thornburg has over 30 years of construction and inspection experience, 17 of which have been spent as an educator; currently employed as a Plan Examiner for the Johnson County, Kansas, Building and Codes Department; BS degree in Religion/English from the University of Mary Hardin-Baylor, and a Master of Divinity in Theology/Education from the Southwest Baptist Theological Seminary in Texas and received his certification in Building Inspection Technology from North Hennepin Community College in Minnesota; taught both building inspection technology classes at community colleges and continuing education seminars for contractors; in his spare time, Russell develops code seminars for various municipalities and organizations.

Brent Ursenback is the Energy/Mechanical Code Specialist at West Coast Code Consultants, an ICC Certified Building Official and a LEED Accredited Professional. Previous experience includes 33 years in HVAC contracting and 5 years adjunct faculty at SLCC. Brent has presented numerous seminars and classes on energy, mechanical and fuel gas code, as well as HVAC design principles.

Lee Watts is a 14-year veteran of the US Army Combat Assault Bridge Company, where he was assigned as an assault float ribbon supervisor. He has worked in the City of Waco as a Code Officer and then as a Rehab Inspector for CDBG for 2 years. He is now working for the City of Killeen as a Field supervisor II. Lee has 19 years' experience in the Field of Code Enforcement.



6th Central Texas BPI PROGRAM SCHEDULE

Hilton Austin Airport • 9515 Hotel Drive • Austin, TX 78719
October 29-31, 2018

Please be advised your attendance roster is to be signed at the beginning of the class and initialed 10 minutes prior to the end class. Credit will not be given unless roster is signed and initialed correctly.

Monday, October 29, 2018

7:00 AM – 8:00 AM	Exhibitor Set up, Exhibitor Showcase opens @ 8:00 am
7:30 AM	Registration Opens, Coffee
8:00 AM – 5:00 PM	Plumbing License Recertification Class (<i>this is an 8-hour class</i>)
8:30 AM	Classes Start except Plumbing Recertification Class
10:00 AM – 10:30 AM	Refreshments, Exhibitor Showcase Open
11:30 AM – 1:00 PM	Staggered Lunches (one hour), Exhibitor Showcase Open
1:00 PM or 12:30 PM	Classes resume depending on lunch hour
2:30 PM – 3:00 PM	Refreshments, Exhibitor Showcase Open
3:00 PM – 4:30 PM	Classes

Tuesday, October 30, 2018

7:30 AM	Registration Opens, Coffee, Exhibitor Showcase
8:30 AM	Classes Start
10:00 AM – 10:30 AM	Refreshments, Exhibitor Showcase Open
11:30 AM – 1:00 PM	Staggered Lunches (one hour), Exhibitor Showcase Open
1:00 PM or 12:30 PM	Classes resume depending on lunch hour
2:30 PM – 3:00 PM	Refreshments, Exhibitor Showcase Open
3:00 PM – 4:30 PM	Classes

Wednesday, October 31, 2018

7:30 AM-	Registration Opens, Coffee, Exhibitor Showcase
8:30 AM	Classes Start
10:00 AM – 10:30 AM	Refreshments, Exhibitor Showcase Open
11:30 AM – 1:00 PM	Staggered Lunches (one hour), Exhibitor Showcase Open
1:00 PM	<i>Exhibitor Showcase Closes after lunch break</i>
1:00 PM or 12:30 PM	Classes resume depending on lunch hour
2:30 PM – 2:45 PM	Refreshments
2:45 PM – 4:15 PM	Classes



REGISTRATION FEES

Regular Registration Rates – *Before October 19, 2018*

Full Day	\$140.00
½ day	\$ 75.00

Late Registration Rates – *After October 19, 2018*

Full Day	\$150.00
½ day	\$ 80.00

Online registration closes on October 25, 2018.

REGISTER NOW!

On-Site Registration Rates

Full Day	\$150.00
½ day	\$ 80.00

Additional Fee of \$10 applies if registering onsite.

HOTEL INFORMATION

Booking Link: [Click here to book your room now!](#)

Hotel: Hilton Austin Airport

9515 Hotel Drive
Austin, Texas, 78719
512-385-6767

**BOOK MY ROOM
NOW!**

Group Name: Building Professional Institute

Group Code: BP118

Book by October 7, 2018 to reserve your room.



6th Central Texas Building Professional Institute



REGISTRATION FORM



PARTICIPANT INFORMATION

ICC Member Number			
First Name		Middle Initial	
Last Name			
Job Title			
Jurisdiction/Organization			
Address			
City			
State/Province			
Zip Code		Country	
E-Mail Address			
Phone Number		Extension	
Fax Number			

Please indicate if you require special seminar room accessibility accommodations:

SEMINAR REGISTRATION

MONDAY October 29, 2018	Full Day Session	_____	AM Session	_____	PM Session	_____
TUESDAY, October 30, 2018	Full Day Session	_____	AM Session	_____	PM Session	_____
WEDNESDAY, October 31, 2018	Full Day Session	_____	AM Session	_____	PM Session	_____

REGISTRATION FEES

I am attending all 3 days:	\$ 420 for 3 full days <i>(before Oct. 19, 2018)</i>	\$ 450 for 3 full days <i>(after Oct. 19, 2018)</i>	\$ _____
I am attending less than 3 days:	\$140 a day or \$75 half-day <i>(before Oct. 19, 2018)</i>	\$150 a day or \$80 half-day <i>(after Oct. 19, 2018)</i>	\$ _____

PAYMENT OPTIONS

<input type="checkbox"/>	BILL ME (Code Council Members only)
<input type="checkbox"/>	PAYMENT ENCLOSED Make checks payable to: International Code Council
<input type="checkbox"/>	CREDIT CARD PAYMENT Our Accounting Department will be contact you to obtain Credit Card information. Please provide name and phone number to contact: Name: _____ Phone Number: _____

Submit completed forms to:

Mail: International Code Council • 4051 Flossmoor Road • Country Club Hills, IL 60478

Fax: 708-799-2651

Questions? Contact the International Code Council at 1-888-422-7233, extension 33821 or email Ichagolla@iccsafe.org