







## 1<sup>st</sup> West Texas

# **Building Professional Institute**

October 1-3, 2019 Exhibitor Showcase October 1-2, 2019 Lubbock Memorial Civic Center 1501 Mac Davis Ln Lubbock, TX 79401 806-775-2242









#### **BUILDING PROFESSIONAL INSTITUTE**

2019 1st Annual West Texas BPI

#### Lubbock Memorial Civic Center, 1501 Mac Davis Ln., Lubbock, TX 79401 October 1-3, 2019

	Tuesday		Wedn	Thursday		
TRACK	AM	PM	AM	AM PM		
	October 1, 2019		October	October 3, 2019		
Code Enforcement	One Hour Legal Updates and Warrants Session 1	Substandard Conditions IPMC Session 2	Officers Ethics Session 3	Animal Behavior and Violators with Mental Illness Session 4		
Fire Prevention	2015 IFC Flammable Liquids and Gases  Session 5		2015 IFC High Piled Sess			
International Building Code	Means c Sessi	_	Fire Rated Assemblies, Fire Sess			
International Residential Code	Basic Electrical Inspection Sessi	=	Inspecting Wood Frame Construction Session 10	Spray Foam – Including Thermal and Ignition Barriers Session 11		
National Electrical Code	Basic Electrical Inspection Sessi	_	Grounding and Bonding 2017 250. TDLR Electrical Commerci Electrical Safety Sessi			
International Mechanical Code and Plumbing Code	Commercial Mechanical Inspections Session 14		Commercial Plun Sessi			
International Energy Code			Energy Code Compliance for Multi-Family Housing Session 16	Energy Code Compliance for Commercial Buildings Session 17		
Permit Technician	The Basic Understanding c Session					
Texas Accessibility Academy	Texas Accessik (Day 1 – 8 <b>Sessi</b> k	Hr. Class)	Texas Accessil (Day 2 – 8 <b>Sessi</b>			
Certification Exam Testing*					ICC Certification Exams Testing*	

<sup>\*</sup> Separate registration required. Exams will be proctored in the AM only.

#### **Code Enforcement**

Tuesday AM One Hour Legal Updates and Warrants

This class will provide the 1-hour legal update along with how to write a warrant and citation. The Legal Updates class covers the latest legislative updates which impact code enforcement. The class on Warrants will help students identify the legal right to obtain a search or seizure warrant according to the Texas Code of Criminal Procedures. It will also identify the differences between Code Warrants and PD Warrants and describe what information is needed on a search/seizure warrant. This class will also discuss how warrants can be obtained to identify sign violators.

**Instructor: Anthony Major - TEEX** 

Tuesday

**Substandard Conditions IPMC** 

PM This class will help attendees become more acquainted with the 2015 International

Property Maintenance Code and How to identify substandard conditions within

residential structures in accordance with the 2015 IPMC

**Instructor: Anthony Major - TEEX** 

Wednesday

**Officers Ethics** 

AM

This class will help outline state requirement of Texas Code Enforcement Officers by

reviewing Chapter 1952 of the Texas Occupational Code.

**Instructor: Anthony Major - TEEX** 

Wednesday

**Animal Behavior and Violators with Mental Illness** 

PM

Animal Behavior: This class will help attendees identify, understand and respond to

certain dog behaviors while performing property inspections.

Violators with Mental Issues: This class will help to assist Code Officers to identify Zoning and IPMC (International Property Maintenance Code) regulations for rooming

and boarding houses while being aware of potential hazards.

**Instructor: Anthony Major - TEEX** 

## **Fire Prevention (IFC)**

Tuesday AM/PM

2015 IFC Flammable Liquids and Gases

This class discusses the requirements for flammable and combustible liquids and flammable gases based on the 2015 International Fire Code. The discussion includes determining whether a liquid is classified as a flammable or combustible liquid, or whether a gas is classified as a flammable gas and identifying the appropriate regulations based on the classification. The class will explain the difference between storage, use-open, and use-closed, along with applicable regulations. Discussion will also cover the provisions applicable to the safe storage, use, mixing and handling of flammable or combustible liquids and flammable gases.

Instructor: Kevin Scott - President of KH Scott and Associates







Wednesday AM/PM 2015 IFC High Piled Combustible Storage

This course provides an understanding of the hazards associated with high-piled combustible storage and covers the provisions of the 2018 IFC. This seminar places special emphasis on the classification of commodities and understanding the design

criteria based on the commodity classification in the IFC and NFPA 13.

Instructor: Kevin Scott - President of KH Scott and Associates

**International Building Code (IBC)** 

Tuesday AM/PM

**Means of Egress** 

This class is a basic 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 include the three parts of the Egress, occupant loads, Egress width, number of exits, travel distance, common path of Egress travel and exit enclosures. Practical examples will be used to illustrate code requirements.

Instructor: William Clayton - Colorado Code Consulting, LLC

Wednesday AM/PM

Fire Rated Assemblies, Fire-Stopping and Joint Systems

This class will focus on the different types of fire-resistant-related assemblies and systems required by the International Building Code. Resources on identifying different systems will be discussed. The class will also discuss the plan review and inspection of such assemblies and systems.

Instructor: William Clayton - Colorado Code Consulting, LLC

International Residential Code (IRC)

**Tuesday** 

Basic Electrical Inspections and Wiring Methods plus TDLR Law, Rules, & 70E Electrical Safety in the Workplace

AM/PM

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 installations. There will be a review of common installation discrepancies including sizing device, junctions, straight, angle, and "U" pull boxes based on NEC Article 314. Additional topics include: How to coordinate and adjust conductor sizes to circuit breakers and fuses found in NEC Articles 240 and 310; Raceway/Conduit fill lemmatization using NEC Chapter 9; Wire and overcurrent sizing for Motors and Air-Conditioning Equipment; and 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. The TDLR Course # is pending.

Instructor: Bill McGovern - Intertek







#### Wednesday

#### **Inspecting Wood Frame Construction**

AM

This class 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 class is applicable to all aspects of the design/construction/regulatory community, including contractors and design professionals.

Instructor: Russell Thornburg – Thornburg Code Services

#### Wednesday PM

#### Spray Foam - Including Thermal and Ignition Barriers

This course is designed to review the old & new standards that are found in the 2018 IRC, specifically addressing when and which barriers are required for open basements, crawl spaces, and attics. Some evaluation reports will be reviewed for clarification, as well as third-party testing used to determined code compliance. Content covered in this course includes, but is not limited to 1) History, 2) Review IRC prescriptive requirements, 3) Foam Plastics-specific approvals, and 4) Test Reports and Evaluation Reports.

**Instructor: Russell Thornburg – Thornburg Code Services** 

#### **National Electrical Code**

Tuesday

Basic Electrical Inspections and Wiring Methods plus TDLR Law, Rules, & 70E Electrical Safety in the Workplace

AM/PM

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 installations. There will be a review of common installation discrepancies including sizing device, junctions, straight, angle, and "U" pull boxes based on NEC Article 314. Additional topics include: How to coordinate and adjust conductor sizes to circuit breakers and fuses found in NEC Articles 240 and 310; Raceway/Conduit fill lemmatization using NEC Chapter 9; Wire and overcurrent sizing for Motors and Air-Conditioning Equipment; and 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. The TDLR Course # is pending.

Instructor: Bill McGovern - Intertek

Wednesday

Grounding and Bonding 2017 National Electrical Code Article 250. TDLR Electrical Commercial Plus, TDLR Law, Rules, & 70E Electrical Safety in the Workplace

AM/PM

This class is a basic to intermediate level course on the fundamentals and practices of grounding and bonding. Color illustrations and photos of real electrical installations, systems, and equipment will clarify the principles of grounding and bonding. This topic will also include grounding of services, transformers, feeder panels, and bonding of equipment, multiple building, and swimming pools. Included is TDLR law, rules, and electrical safety NFPA 70E © for State of Texas electrical license renewal. TDLR Course # Pending

Instructor: Bill McGovern - Intertek







## **International Mechanical Code/International Plumbing Code**

Tuesday Commercial Mechanical Code Inspections - Complex, Large and Unique Buildings &

Systems – 2018 IMC & IFGC

AM/PM This class will address complex issues encountered in the field when performing

mechanical inspections. Subjects discussed include ventilation flow rates, effectiveness and efficiency; parking garage controls and application, numerous hazardous materials storage and exhaust; commercial kitchen testing, balancing, hazards, and failures. The class also includes discussion on inspecting fire and smoke dampers for compliance with the IBC; the changes resulting from the introduction of new refrigerants, hydronic and the new solar thermal chapter. This course has a special focus on large and complex buildings, including high rise, data centers, manufacturing, industrial and technological uses and occupancies. This will be an open discussion where sharing of your expertise and experience will be welcome.

Instructor: Brent Ursenbach – West Coast Code Consultants

Wednesday Commercial Plumbing Inspections

**AM/PM** This course will cover design, sizing and venting of commercial plumbing systems.

Instructor: Robert Doran – Plumbers Continuing Education

## **International Energy Code**

Wednesday Energy Code Compliance for Multi-Family Housing – 2018 IECC

AM Discussion in this class will identify the differences and challenge

Discussion in this class will identify the differences and challenges encountered when reviewing plans and inspecting multi-family housing projects, specifically, compliance with the IECC Residential provisions in 1 to 3 story buildings, and IECC Commercial provisions where buildings are 4 or greater. Subjects addressed include envelope insulation and air sealing, blower door and duct testing, mechanical ventilation, HVAC systems, and interior/exterior lighting systems and controls. With the nation-wide increased demand for multi-family housing, and the difficulties encountered in air-sealing the rated wall assemblies, this is a must attend class.

Instructor: Brent Ursenbach - West Coast Code Consultants

Wednesday Energy Code Compliance for Commercial Buildings – 2018 IECC

This course provides a detailed overview of the commercial energy code, for those reviewing and inspecting commercial buildings. The instruction with numerous photos will provide inspection direction on building envelopes, mechanical systems, interior and exterior lighting. Specific subjects included; continuous verses cavity insulation, manufactured and site-built fenestration certification, HVAC system performance, mechanical ventilation, demand-controlled ventilation, HRV/ERV, building control systems and refrigeration equipment performance. Additionally, a brief review of lighting systems, controls, daylighting, lighting power densities, transformers, motors, and wrapping up with building commissioning.

Instructor: Brent Ursenbach – West Coast Code Consultants



PM





#### **Permit Technician**

Tuesday AM/PM

The Basic Understanding of IRC Inspection Requests

The International Residential Code will be used to identify the basic structural standards (electrical, plumbing, mechanical and construction) for the purpose of determining a minimum standard of living for residential occupancy. This course is designed to familiarize Permit Technicians with the different aspects of the IRC.

**Instructor: Russell Thornburg – Thornburg Code Services** 

## **Texas Accessibility Academy**

Tuesday AM/PM

Texas Accessibility Academy Day 1 (8 Hr.)

This is Day 1 of a 2-day course for Registered Accessibility Specialists (RAS), architects, designers and building officials. This is a comprehensive study of the Texas Architectural Barriers Act (TABA), Administrative Rules and the 2012 Texas Accessibility Standards (2012 TAS). Attendees will receive general information about the TABA, Administrative Rules and the 2012 TAS, including participation in activities to reinforce technical content. The course is certified for 16-hours of RAS CEU's. THIS IS AN 8-HOUR CLASS EACH DAY STARTING AT 8:00 AM AND ENDING AT 5:00 PM. TO RECEIVE CREDIT, ATTENDANCE IS REQUIRED FOR BOTH DAYS.

Instructor: Norman Kieke - Texas Department of Licensing and Regulation Instructor: Jamie Hill - Texas Department of Licensing and Regulation

Wednesday AM/PM

Texas Accessibility Academy Day 2 (8 Hr.)

This is Day 2 of a 2-day course for Registered Accessibility Specialists (RAS), architects, designers and building officials. This is a comprehensive study of the Texas Architectural Barriers Act (TABA), Administrative Rules and the 2012 Texas Accessibility Standards (2012 TAS). Attendees will receive general information about the TABA, Administrative Rules and the 2012 TAS, including participation in activities to reinforce technical content. The course is certified for 16-hours of RAS CEU's. THIS IS AN 8-HOUR CLASS EACH DAY STARTING AT 8:00 AM AND ENDING AT 5:00 PM. TO RECEIVE CREDIT, ATTENDANCE IS REQUIRED FOR BOTH DAYS.

Instructor: Norman Kieke - Texas Department of Licensing and Regulation Instructor: Jamie Hill - Texas Department of Licensing and Regulation







#### **INSTRUCTOR PROFILES**

*William Clayton* is a consultant with Colorado Code Consulting since 2015. He was a Builder/Designer from 1974 to 1991; Code Consultant, Plans Examiner, Inspector, and Instructor, and also worked for three different jurisdictions from 1991 to 2015: Chief Building Official for City of Lakewood, Colorado from 2007 to 2015, Plans Examiner for City of Westminster 1996 to 2007, Inspector Pikes Peak Regional Building Department, and City of Westminster, CO, 1991 to 1996. He was a past member of the IBC General Committee for the 2015 code cycle, ICC/IEBC Committee for the 2009 and 2012 code cycles, and member of the Colorado Chapter of the ICC Code Change Committee since 1999.

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

**Jamie Hill** is an Architectural Barriers Program Specialist. She enjoys helping Texas become more accessible. She volunteers with the Travis County Constable's Disabled Parking Enforcement, photographing and ticketing cars that should not be in accessible parking.

**Norman Kieke** has been a Program Specialist, (currently Program Specialist V), in the Architectural Barriers Program with the Texas Department of Licensing and Regulation since September 2008. The AB Program is a team which supports a fair and effective means for businesses and buildings to be accessible, not only for all Texans, but especially for Texans who have disabilities. A native Austinite, his career has been in the service of people with disabilities having enjoyed a twenty-seven-year career as Executive Director of United Cerebral Palsy Association of the Capitol Area in Austin.

Anthony Major retired from the City of Austin, Austin Code Department in September of 2017 after 26 years of service. Prior to working with the Austin Code Department, he worked for Austin Resource Recovery (14 yrs.) Human Resources Division. He is currently employed with (TEEX) Texas A&M Engineering Extension Services as a Training Specialist. While managing Major Education Training Services (M.E.T.S.) he has taught for the American Association of Code Enforcement (AACE), Building Officials Association of Texas (BOAT), Building Professional Institute (BPI) and Code Enforcement Association of Texas (CEAT).

Bill McGovern is a field evaluator for Intertek Testing Services and owns and operates Electric Solutions Code Services LLC and has served on the NEC Code Making Panel 2 for the 2008 – 2017 cycles. Bill also has served as Chairman on the ICC Electrical Exam Development Committee, served as a committee member for various NECA/NEIC standards, and serves as a committee member on the North Texas Council of Government Electrical Sub-Committee. Bill is also an instructor for the International Association of Electrical Inspectors presenting the NEC both nationally and globally, holds a Master Electricians license in the State of Texas, is the previous Electrical Inspection Services Supervisor for the City of Plano Texas and completed an electrical apprenticeship in the IBEW. Bill started his electrical career as an aircraft electrician in the United States Marine Corps.







## **INSTRUCTOR PROFILES**

**Kevin Scott** is President of KH Scott & Associates, LLC and serves on the Board of Directors for the International Code Council. During his 30-year career with the Kern County California Fire Department he worked up through the ranks in his career and served the Fire Department in several different capacities, retiring at the position of Deputy Chief. For 20 years he served in the Office of Fire Prevention, served as Chairman of the Southern California Fire Code Committee, and served on the Board of Directors for the Southern California Fire Prevention Officers Association under the California Fire Chiefs Association. He also served four years as a member of the Uniform Fire Code Development Committee, participated on the Drafting Committee of the International Fire Code, and served on the Code Development Committee for the International Fire Code from 1998 until 2004 when he was elected to the Board of Directors for the International Code Council.

Russell Thornburg has over 31 years of experience and brings to the classroom first-hand knowledge of many aspects of the building industry from the basics of home ownership, to general contracting, to field inspection and plans examiner. For more than twenty years he was self-employed as a licensed general contractor and has over 17 years of experience working for municipalities in the state of Minnesota and Kansas. During this time, he began teaching Building Inspection Technology programs for Minnesota State Colleges and Universities, as well as Continuing Education Seminars from around the country and ICC chapters. After a short stint serving as Program Manager for Johnson County Contractor Licensing of KS he has returned to Texas and now writes and develops code seminars and presents these programs for various organizations, including municipalities, institutes, ICC chapters, Home Builders Associations, and industries throughout the United States.

Brent Ursenbach is the Energy/Mechanical Code Specialist at West Coast Code Consultants and is an ICC Certified Building Official and a LEED Accredited Professional. He recently retired as a Building Inspector from Salt Lake County. Previous experience includes 33 years in HVAC contracting and 5 years as adjunct facility at SLCC. He currently serves on several ICC Code Development and Interpretation Committees, ACCA Committees and the Utah Chapter ICC Code Development Committee. He is a Past President on the RMGA (Rocky Mountain Gas Association) Board of Directors and serves as Chair, Utah UBCC Mechanical Advisory Committee. Brent has presented numerous seminars and classes on energy, mechanical and fuel gas code, as well as HVAC design principles and currently provides statewide energy code training, working with the Utah Governor's Office of Energy Development Building Talks Program. He received a B.S. in Sustainability Studies from U-Mass Amherst UWW.

## **ICC Certification Exams**

ICC Certification Exams will be offered onsite. Deadline to register is September 20, 2019.

AM Session Only 8:30 AM – 12 noon

Please register here: ICC Certification Exam Registration









#### BUILDING PROFESSIONAL INSTITUTE

2019 1st Annual West Texas BPI

#### Lubbock Memorial Civic Center, 1501 Mac Davis Ln., Lubbock, TX 79401 October 1-3, 2019

#### **PROGRAM SCHEDULE**

ruesday,	October	<u>1, 2019</u>

7:00 AM	-	8:30 AM	Exhibitor setup, Exhibitors' Showcase opens @ 8:00 am
7:15 AM			Registration opens, Coffee is Available
8:00 AM	-	12:00 PM	Texas Accessibility Academy Starts (8 hr. course)
8:30 AM			BPI Courses Start – See Daily Classroom Schedule
10:00 AM	-	10:30 AM	Refreshment Break, Exhibitors' Showcase
10:30 AM			BPI Courses – See Daily Classroom Schedule
11:30 AM	-	1:00 PM	Staggered 1-Hour Lunch (For Full Day Attendees), Exhibitors' Showcase
1:00 PM	-	5:00 PM	Texas Accessibility Academy (4 hr. course)
1:00 PM	-	2:30 PM	BPI Courses – See Posted Daily Classroom Schedule
2:30 PM	-	3:00 PM	Refreshment Break, Exhibitors' Showcase
2:45 PM	-	4:15 PM	BPI Courses – See Posted Daily Classroom Schedule

#### Wednesday, October 2, 2019

7:15 AM			Registration opens, Coffee is Available
8:00 AM	-	8:30 AM	Exhibitors' Showcase Open
8:00 AM	-	12:00 PM	Texas Accessibility Academy Starts (8 hr. course)
8:30 AM			BPI Courses Start – See Posted Daily Classroom Schedule
10:00 AM	-	10:30 AM	Refreshment Break, Exhibitors' Showcase
10:30 AM	-	11:30 AM	BPI Courses, See Posted Daily Classroom Schedule
11:30 AM	-	1:00 PM	Staggered 1-Hour Lunch (For Full Day Attendees), Exhibitors' Showcase
1:00 PM	-	2:30 PM	BPI Courses, See Posted Daily Classroom Schedule
2:30 PM	-	2:45 PM	Refreshment Break, Exhibitors' Showcase
2:45 PM	-	4:15 PM	BPI Courses - See Posted Daily Classroom Schedule
3:00 PM			Exhibitors' Showcase Closes

#### Thursday, October 3, 2019

8:30 AM	ICC Certification Exam Testing, Coffee is Available
12:00 PM	Testing Complete







## **REGISTRATION FEES**

## Regular Registration Rates - Before September 18, 2019

Full Day \$140.00 ½ day \$ 75.00

## Late Registration Rates - After September 18, 2019

Full Day \$150.00 ½ day \$80.00

Online registration closes on September 25, 2019.

**REGISTER NOW!** 

### **On-Site Registration Rates**

Full Day \$150.00 ½ day \$80.00

Additional Fee of \$10 applies if registering onsite. Onsite registration opens October 1, 2019.

## HOTEL INFORMATION

**Booking Link:** Click here to book your room now!

**Hotel: Overton Hotel and Conference Center** 

2322 Mac Davis Ln Lubbock, TX 79401 806-776-7000

BOOK MY ROOM NOW!

**Group Name:** Building Professionals Institute

Book by September 16, 2019 to reserve your room.







## 1st Annual West Texas Building Professional Institute







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ICC Members	hip Number:							ptember 18, 2	
First Name:					Middle Initial:		Full Day	\$140	0.00
Last Name:							½ day	\$ 75	5.00
Job Title for B	adge:						Regular Re	egistration Ra	tes
Jurisdiction/O	rganization:						– After Sep	tember 18, 2	019
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Home Telepho	one:			Fax Number:				51 Flossmoor Rountry Club Hills	
Please indic	ate if you requ	uire special seminar r	oom accessibil	ity accommo	odations:		Fax to: 70	8-799-2651	
							Contr	act the Internation	onal Code Council at
	1-888-422-7233, extension 452								
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I am attending 2 days: \$280 (ends September 18, 2019) or \$300 (after September 18, 2019)				\$					
I am attending less than 2 days \$140 per day / \$75 per half day or \$150 per day / \$80 per half day				\$					
		(ends S	September 1	8, 2019)	(afte	er Septer	mber 18, 20	019)	
		PAY	MENT OPT	IONS				TOTAL:	\$
Bill Me (Code Council Members only)  Member #:									
	Payment Enclosed (Checks payable to: International Code Council)								

To pay by credit card, register online at www.iccsafe.org/BPILubbock