



INTERNATIONAL
CODE
COUNCIL®

People Helping People Build a Safer World®



27th North Texas Building Professional Institute

May 20-23, 2019

Exhibitor Showcase – May 20-22, 2019

Irving Convention Center at las Colinas
500 W Las Colinas Boulevard
Irving, Texas 75039



PREFERRED
EDUCATION
PROVIDER



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



BUILDING PROFESSIONAL INSTITUTE

**2019 27th Annual
North Texas BPI**

Irving Convention Center, 500 West Las Colinas Blvd., Irving, TX 75039

May 20-23, 2019

TRACK	Monday		Tuesday		Wednesday		Thursday	
	AM	PM	AM	PM	AM	PM	AM	PM
	May 20, 2019		May 21, 2019		May 22, 2019		May 23, 2019	
Architectural/ Green Building	ADA Compliance/ ADA Case Studies <i>Session 1</i>	LEED 4.1/ LEED Case Studies <i>Session 2</i>	Designing for Resilience <i>Session 3</i>	Guidelines for Achieving Reliable Wind- Resistant Building Envelopes <i>Session 4</i>	Designing Storm Shelters <i>Session 5</i>		Designing Education Spaces <i>Session 6</i>	Green Building Tours <i>Session 7</i>
Texas Accessibility Standards	(4 Hr.) Understanding Texas Accessibility Standards <i>Session 8</i>	(4 Hr.) Applying Texas Accessibility Standards <i>Session 9</i>						
Texas Accessibility Academy			Day 1 - (8 Hr.) Texas Accessibility Academy <i>Session 10</i>		Day 2 - (8 Hr.) Texas Accessibility Academy <i>Session 11</i>			
Special Topics	Human Trafficking <i>Session 12</i>		Building/Code Professional Interview Workshop <i>Session 13</i>			Containers Used in Commercial Applications <i>Session 14</i>	What Every Building Official Should Know About Disasters <i>Session 15</i>	Structurally Insulated Panels (SIPS) <i>Session 16</i>
Code Enforcement	Everything You Ever Wanted to Know About Pools <i>Session 17</i>	Zika and West Nile Virus... What's the Big Deal? <i>Session 18</i>	Legal Update <i>Session 19</i>	Squatters, Vacant Land, Home <i>Session 20</i>	Substandard Conditions (with IPMC teaching) <i>Session 21</i>		Legal Update <i>Session 22</i>	Step Up Your Code Game Through Accreditation Applying the Broken Windows Theory <i>Session 23</i>

TRACK	Monday		Tuesday		Wednesday		Thursday	
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	May 20, 2019		May 21, 2019		May 22, 2019		May 23, 2019	
National Electrical Code	Service and Feeders Installations 2017 National Electrical Code Articles 230 and 225 plus Hazardous Locations in NEC Articles 514 & 516, TDLR Electrical Law and Rules plus NFPA 70E Electrical Safety in the Workplace <i>Session 24</i>		2017 National Electrical Code Changes <i>Session 25</i>		Grounding and Bonding 2017 National Electrical Code Article 250. TDLR Electrical Commercial Plus, TDLR Law, Rules, & 70E Electrical Safety in the Workplace <i>Session 26</i>		2017 NEC Calculations of Wiring Methods and Installations, Residential and Commercial Plus, TDLR Law, Rules, & 70E Electrical Safety in the Workplace <i>Session 27</i>	
Engineering (Structural)	Globe Life Field – Hitting for the Structural Cycle <i>Session 28</i>	(1 Hr.) TX Board of Professional Engineers – Professional Practice Update/Ethics (2 Hr.) Managing Litigation Risk <i>Session 29</i>	Wind Design for Wood Framed Structures <i>Session 30</i>	Guidelines for Achieving Reliable Wind-Resistant Building Envelopes <i>Session 4</i>	Evaluation and Remediation of Existing Foundations <i>Session 32</i>	Interaction of the Building Structure and its Exterior Enclosure <i>Session 34</i>	Tall Buildings Out of Mass Timber <i>Session 35</i>	
Energy Code	Commercial Energy Code – 2018 IECC & ASHRAE 90.1 – 2016 <i>Session 36</i>		IECC in Texas: What, Why, and How <i>Session 37</i>	Airflow Fundamentals <i>Session 38</i>	2018 IECC Residential Provisions <i>Session 39</i>		2018 IECC Commercial Provisions <i>Session 40</i>	
Environmental Health Code	Understanding Emotional Intelligence and Sharing Information Based on how the Person Learns <i>Session 41</i>	Identification of Public Health Threat Mosquitos Rodent Inspection Tips for Commercial Structure <i>Session 42</i>			The Importance of Grease Traps General Over-all Grease Trap and Biohazard Clean-up <i>Session 43</i>	(1.5 Hr.) Package Labeling and Allergen Requirements (1.5 Hr.) Pop-up Food Events and Micro Markets <i>Session 44</i>	(2 Hr.) Artificial Swimming Lagoons (1 Hr.) Proposed Swimming Pool/Spa Regulations, Pool Plan Review Issues, and Guidance Documents <i>Session 45</i>	(1 Hr.) Legal Issues in Environmental Health (2 Hr.) Food Establishments: Construction Practices, Materials, Terminology, and Contractor Involvement <i>Session 46</i>

TRACK	Monday		Tuesday		Wednesday		Thursday	
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Fire Prevention	Energy Storage Systems – Fire-safe Installation Considerations <i>Session 47</i>	3D Printing (Additive Manufacturing) Fire Protection Concepts and UL Resources for the Fire Service <i>Session 48</i>	2018 IFC and 2016 NFPA 20 Fire Pumps <i>Session 49</i>	2018 IFC/IBC/IMC Commercial Cooking Operations <i>Session 50</i>	2018 IFC Transition from 2009 IFC <i>Session 51</i>		2018 IFC High-Piled Combustible Storage <i>Session 52</i>	
International Plumbing and Mechanical Code	Engineering Single Stack and other Methods of Venting <i>Session 53</i>		Common Plumbing Code Violations 2018 IPC <i>Session 54</i>	Gas Appliance Installation and Inspection Principles 2018 IFGC <i>Session 55</i>	Overview of Chapters 4 - 6 of the 2018 IPC <i>Session 56</i>		Commercial Mechanical Code Inspections – Complex, Large and Unique Buildings & Systems – 2018 IMC & IFGC <i>Session 57</i>	
International Residential Code	The Backbone: International Residential Code Review Administration, Definitions, and Building Planning – Chapters 1 – 3 <i>Session 58</i>		International Residential Code Review – Chapters 4 – 6 <i>Session 59</i>		Roof Construction and Assemblies IRC Review – Chapters 7 – 10 <i>Session 60</i>		Basic Electrical Inspections and Wiring Methods <i>Session 61</i>	
International Building Code	2018 IFC Plan Review for Building Code Officials <i>Session 62</i>		IBC Multi-Family Construction (Type V-A and Group R-2 fire-resistive-rated construction) <i>Session 63</i>		2018 IBC Update <i>Session 64</i>		Negotiating the IBC <i>Session 65</i>	
Permit Technician	Fundamentals of the I-Codes for Permit Technicians Day 1 <i>Session 66</i>		Fundamentals of the I-Codes for Permit Technicians Day 2 <i>Session 67</i>		From Grassland to Certificate of Occupancy: The Process of Building on an Undeveloped Piece of Land <i>Session 68</i>		From Techs to Specs (Preparation to transition from Permit Tech to other building department positions) <i>Session 69</i>	
Planning			Planning & Zoning 101 (comprehensive planning, open meetings) <i>Session 70</i>	Subdivision & Platting and Cost of Infrastructure <i>Session 71</i>	(1.5 Hr.) Economic Development & Planning <i>Session 72</i>	(1.5 Hr.) Drafting and Defending Ordinances (1.5 Hr.) The Legislature is Back in Town <i>Session 73</i>	Building Financially Resilient Communities <i>Session 74</i>	

Track	Monday		Tuesday		Wednesday		Thursday	
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	May 20, 2019		May 21, 2019		May 22, 2019		May 23, 2019	
Plan Review	Fire-Resistive Rated Assemblies, Firestopping, and Joint Systems <i>Session 75</i>		Advanced Means of Egress, Chapter 10 IBC <i>Session 76</i>		IBC Building Classification <i>Session 77</i>		Basic Means of Egress <i>Session 78</i>	
Residential Construction & Inspection	Residential Framing Inspections (basic class to cover braced wall line, roof and floor trusses) <i>Session 79</i>		Common Plumbing Code Violations <i>Session 54</i>	Problems with Residential Foundations <i>Session 81</i>	Residential Mechanical Inspections – 2018 IRC; Appliance Installation, Clearances, Duct Systems, Combustion Air and Venting <i>Session 82</i>		Basic Electrical Inspections and Wiring Methods <i>Session 61</i>	
Re-certification for Plumbing Inspector’s License							(8 Hr.) Re-Certification for Plumbing Inspectors/Continuing Education for License Renewal <i>Session 84</i>	
Test Preparation Classes								
Certified Building Officials Exam Preparation					2018 Legal (MG) Portion of the CBO – Certified Building Official Exam Preparation - <i>Day 1</i> <i>Session 85</i>		2018 Management (MM) Portion of the CBO – Certified Building Official Exam Preparation - <i>Day 2</i> <i>Session 86</i>	
Residential Electrical Exam Preparation	Residential Electrical Inspector E1 Exam Preparation - <i>Day 1</i> <i>Session 87</i>		Residential Electrical Inspector E1 Exam Preparation - <i>Day 2</i> <i>Session 88</i>					
Commercial Plans Exam Preparation	2018 IBC Plans Examiner Preparation Course - <i>Day 1</i> <i>Session 89</i>		2018 IBC Plans Examiner Preparation Course - <i>Day 2</i> <i>Session 90</i>					
Permit Technician Exam Preparation	Fundamentals of the I-Codes for Permit Technicians - <i>Day 1</i> <i>Session 91</i>		Fundamentals of the I-Codes for Permit Technicians - <i>Day2</i> <i>Session 92</i>					
See the Brochure for Information Regarding the Following ICC Certification Exams								
ICC Certification Exam Testing					ICC Certification Exam Testing	ICC Certification Exam Testing	ICC Certification Exam Testing	

COURSE DESCRIPTIONS AND INSTRUCTORS

Architectural/Green Building

Monday AM	ADA Compliance/ADA Case Studies This course reviews lessons from the trenches of ADA compliance and Case studies in innovative ADA solutions. Instructor: Marcela Abadi Rhoads – Abadi Accessibility
Monday PM	LEED 4.1/LEED Case Studies This course reviews what is new in LEED 4.1 and compares these provisions to LEED 4.0. It also looks at LEED project case studies. Instructor: Kirk Johnson, AIA, LEED Fellow – Corgan Associates
Tuesday AM	Designing for Resilience This is a discussion of what resilience is, how to design for resilience, and an overview of the RELi Program. Instructor: Betsy del Monte – Cameron MacAllister Group
Tuesday PM	Guidelines for Achieving Reliable Wind-Resistant Building Envelopes This presentation will address building envelopes on residential buildings, non-residential buildings and critical facilities. The focus will be on new buildings; however, retrofitting existing buildings will also be discussed. The building envelope topics include exterior doors, windows and skylights, walls, soffits, roof assemblies, rooftop equipment and attic vents. Buildings located outside of hurricane-prone regions will be discussed. However, the focus will be on special considerations for buildings in hurricane-prone regions. Tornado design enhancements which will minimize building damage and designing a facility to remain operational even if it is struck by a violent tornado will also be discussed. Buildings which comply with a modern building code may perform well if there is good design, application and maintenance/repair. However, code compliance does not ensure good performance or that buildings (including critical facilities) will be operational after very high wind storms. Implementation of the presented guidelines will result in more reliable wind-resistant building envelopes. Instructor: Tom Smith – TLSmith Consulting
Wednesday AM/PM	Designing Storm Shelters The standards for building storm shelters for education facilities have changed in meaningful ways as new technology and more nuanced understanding has evolved. The biggest push for storm shelters was caused by the 2015 International Building Code mandate for storm shelters and its reference to ICC 500 standards. This presentation will cover several aspects of storm shelter design from code requirements, fire safety, structural, mechanical, electrical, and plumbing considerations, and emergency planning. Instructor: Daniel Dain - Stantec Instructor: Ben Harris - Huckabee Instructor: Larry Curtis - Kirkpatrick Forest Curtis PC

COURSE DESCRIPTIONS AND INSTRUCTORS

**Thursday
AM**

Designing Education Spaces

Twenty-first Century education requires a different kind of learning space which recognizes and addresses the evolving needs of students, including flexibility, collaboration, gaming spaces, living-learning models, sustainability, safety and community involvement. This course will explore knowledge needed to design these spaces.

Instructor: Briar Glenn, AIA – Glenn Partners

Instructor: Trey Laird, AIA - Stantec

**Thursday
PM**

Green Building Tours

Take part in interactive tours of Lewisville High School: original campus and Ben Harmon campus (SHW Group, now Stantec), plus new Mill Street elementary campus (Huckabee)

Texas Accessibility Standards

**Monday
AM**

(4 Hrs.) Understanding Texas Accessibility Standards

This course is an overview of TDLR, the state statute and rules, comparison of the Federal ADA and standards applicable to the design, construction and alteration of building/facilities. This course is certified for 4-hours of RAS CEU'S. Non-RAS's welcome.

Note: this is a 4-hour class starting at 8:00AM and ending at 12:00Noon.

Instructor: Norman Kieke – Texas Department of Licensing and Regulation

Instructor: Marsha Godeaux – Texas Department of Licensing and Regulation

**Monday
PM**

(4 Hrs.) Applying Texas Accessibility Standards

This course is an overview of the 2012 TAS applied to common situations which are encountered in real life. This course can be used for the one hour of self-reported barrier free AIA CEU requirements for Architects and 4-hours of RAS CEU's. Non-RAS's are welcome.

Note: This is a 4-hour class starting at 1:00PM and ending at 5:00PM

Instructor: Norman Kieke – Texas Department of Licensing and Regulation

Instructor: Marsha Godeaux – Texas Department of Licensing and Regulation

Texas Accessibility Academy

**Tuesday
AM/PM**

Texas Accessibility Academy Day 1 (8 Hours)

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 (TABAA), Administrative Rules and the 2012 Texas Accessibility Standards (2012 TAS). Attendees will receive general information about the TABAA, 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: Marsha Godeaux – Texas Department of Licensing and Regulation

COURSE DESCRIPTIONS AND INSTRUCTORS

Wednesday AM/PM	Texas Accessibility Academy Day 2 (8 Hours) 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 (TABAA), Administrative Rules and the 2012 Texas Accessibility Standards (2012 TAS). Attendees will receive general information about the TABAA, 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: Marsha Godeaux – Texas Department of Licensing and Regulation
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Special Topics

Monday AM/PM	Human Trafficking This class will discuss the recognition, identification, and prevention of human trafficking and factors related to the labor and sex trafficking industries. Instructor: Kelly Kistner- Texas and Forensic Investigations Group, LLC
Tuesday AM/PM	Building/Code Professional Interview Workshop In the market for a change? How about some resume writing tips and interview prep for when opportunity comes a knocking? And if you're the one doing the hiring, this workshop is for you as well. Engage in mock interviews and receive tools geared to set you up for success when navigating the whole hiring process. Instructor: Teresa Adrian – City of Irving
Wednesday PM	Containers Used in Commercial Applications 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. Instructor: Stephen Shang – CEO and Co-Founder, Falcon Structures
Thursday AM	What Every Building Official Should Know About Disasters Texas has had more disasters than any other State in the Union. Every Building Official should be prepared to deal with a disaster. This session is intended to provide an overview of dealing with a disaster from the Building Official's perspective. It will cover everything from preparedness and initial disaster through damage assessment, recovery and reconstruction. It will provide information on data collection and reporting as well

COURSE DESCRIPTIONS AND INSTRUCTORS

as how to use the data. This class is a must for any Building Official in tornado alley, along the coast or near areas which can flood. Several Building Officials who have dealt with disasters have been invited to share their experiences during this session.

Instructor: Jim Olk – City of Garland

**Thursday
PM**

Structurally Insulated Panels (SIPS)

This course will cover the definition, history and use of Structurally Insulated Panels and their benefits to builders and home owners. Discussion will also cover how they relate to inspectors as per the 2018 code.

Instructor: Matt Mitchell – James Andrews Custom Homes, LLC

Code Enforcement

**Monday
AM**

Everything You Ever Wanted to Know About Pools

From balancing chemicals and maintaining mechanical systems, to complying with all the state rules, you will enjoy this in-depth overview of everything you ever wanted to know about pools but was afraid to ask. The course includes electrical inspection on pools and pool equipment (including grounding and bonding) for the code enforcement officials.

Instructor: Lynn Harper – City of Irving

Instructor: Gary Jones – Adjunct Instructor, IAEI

**Monday
PM**

Zika and West Nile Virus...What's the Big Deal?

We hear a lot about the dreaded West Nile and Zika Viruses in the news. Have you ever wondered where we are in the fight against these viruses and if we can actually win? In this class, Nina will explain the trends seen here in North Texas, the mosquito trapping program and how it works, some of the new mapping technology, and what to do in the event of a Zika case plus more!

Instructor: Nina Dacko – Tarrant County Public Health

**Tuesday
AM**

Legal Update

Are you in need of your required 1-hour legal update but you're looking for an AM legal update class where you can ask the questions you meant to ask last year? This course is for you. It provides 1 hour of legal updates on code enforcement required for CEU and covers topics such as traditional methods of code enforcement, legal tools available for code enforcement, liability for code and building officials/inspectors, and constitutional constraints on code enforcement activities.

Instructor: Janet Spugnardi – City of Irving

**Tuesday
PM**

Squatters, Vacant Land, Home

This class will help attendees to better understand how to discourage squatters from occupying a vacant structure. In addition, it will answer questions such as: What are their amendment rights and how far can a Code Officer go with an inspection/investigation before violating constitutional rights?

Instructor: Anthony Major - TEEX

COURSE DESCRIPTIONS AND INSTRUCTORS

Wednesday AM/PM	Substandard Conditions (with IPMC teaching) This subject will help attendees become more acquainted with the 2015 IPMC (International Property Maintenance Code) and how to identify substandard conditions within residential structures in accordance with the 2015 IPMC. Instructor: Anthony Major - TEEX
Thursday AM	Legal Update Attendees will review how a bill becomes a law. In addition, the class reviews the new bills being considered for passage during the 2019 Legislature. Instructor: Anthony Major - TEEX
Thursday PM	Step Up Your Code Game Through Accreditation Established standards, policies and practices insure uniformity and service confidence from your community, executive leadership and elected officials. Learn how to create that “WOW” factor for your code department/programming through accreditation. Instructor: Scott Neumeyer, City of Plano
Thursday PM	Applying the Broken Windows Theory Absence of declining conditions and blight does deter criminal activity in neighborhoods. During this class, we’ll talk about how critical “GOOD” code enforcement is and how to prove the Broken Windows Theory! Instructor: Teresa Adrian – City of Irving Code Enforcement

National Electrical Code

Monday AM/PM	Service and Feeders Installations 2017 National Electrical Code Articles 230 and 225 plus Hazardous Locations in NEC Articles 514 & 516, TDLR Electrical Law and Rules plus NFPA 70E Electrical Safety in the Workplace This workshop will start with the management of the number of services and feeders for a building or structure and address how many sets of service-entrance conductors to use for multiple occupancies. The class will include the locations and groupings for service and feeder disconnects and the maximum number permitted. Clearances, wiring methods, overhead and underground location, guarding, marking and other equipment connected to the supply side of the service disconnect will also be discussed. In the afternoon the course will change to electrical installations in specific hazardous (classified) locations NEC Articles 514 & 516. Included is TDLR law, rules, and electrical safety NFPA 70E © for State of Texas electrical license renewal. TDLR Course # Pending Instructor: Mark Ode – Underwriters Laboratories, Inc.
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COURSE DESCRIPTIONS AND INSTRUCTORS

Tuesday AM/PM	2017 National Electrical Code Changes This course will explain the major changes in the 2017 National Electrical Code. Included will be the reasons for these changes and a discussion of the substations. This class will review new articles and sections added to this edition of the NEC and what type of impact they will have on inspectors, designers, and installers. Additional material will cover the TDLR law, rules, and electrical safety NFPA 70E ©. This class is a basic to intermediate level course. Instructor: Mark Ode – Underwriters Laboratories, Inc.
Wednesday AM/PM	Grounding and Bonding 2017 National Electrical Code Article 250. TDLR Electrical Commercial Plus, TDLR Law, Rules, & 70E Electrical Safety in the Workplace 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
Thursday AM/PM	2017 NEC Calculations of Wiring Methods and Installations, Residential and Commercial Plus, TDLR Law, Rules, & 70E Electrical Safety in the Workplace This is a basic to intermediate level all-day class on calculations used for wiring methods and installation requirements in the National Electrical Code (NEC) in both residential and commercial installation. Included is a review of common installation discrepancies including calculating the sizing of device, junction, straight, angle, and “U” pull boxes based on NEC Article 314. How to calculate 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-Conditioning Equipment will be addressed. Also covered is 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 # 19232 Instructor: James Stallcup, Jr. – Master Electrician

Engineering (Structural)

Monday AM	Globe Life Field – Hitting for the Structural Cycle The development of the new 40,000 seat Texas Rangers Ballpark is expected to unite Rangers fans for the coming 2020 season. The stadium features prominent exterior facades, seating bowl and surrounding structure rich with modern amenities, and a retractable roof creating a climate-controlled environment. This session will outline the design and analysis of the structural systems and components of the ballpark while discussing various structural design challenges and solutions. The first half of the session
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COURSE DESCRIPTIONS AND INSTRUCTORS

will focus on the seating bowl and surrounding structure. The fixed and retractable roof structure will be the emphasis of the second half.

Instructor: Jeff Jansing – Walter P. Moore

Instructor: Borhan Jaber – Walter P. Moore

**Monday
PM**

Texas Board of Professional Engineers – Professional Practice Update/Ethics (1 Hr.)

This course covers updates on engineering ethics and Code of Conduct, Board Activities, rule and statutory changes, and general updates on Board initiatives.

Instructor: Rick Valdes - Texas Board of Professional Engineers

**Monday
PM**

Managing Litigation Risk (2 Hr.)

This session covers content of law in construction risk management, avoiding disputes, common areas of dispute, insurance, case studies and legislative efforts in the construction context, and proper documents/documentation to help avoid litigation.

Instructor: Frank Broyles - Attorney

**Tuesday
AM**

Wind Design for Wood Framed Structures

This course will cover some of the options available to design wood structures for wind loading. It will cover three major areas:

- IRC Wind Bracing Requirements - The IRC 2015 prescriptive wind bracing requirements and the changes in the 2018 code
- Force Transfer Around Openings - Utilization of APA's Force Transfer Around Openings calculator and the research that was involved in creating it
- Building for High Wind Resistance - Common failure modes seen in storm damage assessments and APA's above-code recommendations for storm-resistant structures

Instructor: Cathy Scarince – APA, Engineered Wood Association

**Tuesday
PM**

Designing for Wind-Resistance

This class is a discussion about designing the entire building envelope (doors, windows, walls, and roof) for wind resistance.

Instructor: Tom Smith – TLSmith Consulting

**Wednesday
AM**

Evaluation and Remediation of Existing Foundations

This course discusses the applicable industry guidelines for evaluation of post-construction differential foundation movement including site investigation techniques, performance standards, and proper analysis methods for foundation deflection and tilt. This course also discusses common causes of differential foundation movement as well as structural and non-structural remediation of existing foundations through mechanical measures and/or site modifications.

Instructor: Brian C. Eubanks – Paragon Structural Engineering

**Wednesday
PM**

Interaction of the Building Structure and its Exterior Enclosure

This course will review the structural interaction of the building enclosure with the building structure. Included are the following topics:

- Review fundamentals of design parameters for deflection, stresses, connectivity, testing (water and debris impact) and comfort consideration for cladding systems

COURSE DESCRIPTIONS AND INSTRUCTORS

- Review different building structure types and impact to cladding response
- Understanding of deflection compatibility concerns with structural elements between main structure and cladding elements
- Review the dynamics of building transitions which create unique challenges for energy and weather protection considerations
- Provide examples with use of case studies and Q&A interaction with the audience

Instructor: Dudley McFarquhar – McFarquhar Group, Inc.

**Thursday
AM/PM**

Tall Buildings Out of Mass Timber

This class explores what mass timber is and how it has been used to construct buildings up to 18 stories tall. Fire resistance, structural properties, the current status of seismic design criteria, along with examples of projects either built or currently under construction, will be presented. Calculated fire resistance rating of exposed members from Chapter 16 of the *2018 NDS* and the *2021 IBC* proposals for added fire resistance from noncombustible protection will be discussed including the updated version of Technical Report 10 published by the American Wood Council. Recent and ongoing fire and structural testing will be discussed along with clarifications provided by approved updates coming in the *2018 IBC* and *2018 NDS* as well as proposals approved at the Committee Action Hearing for three new types of construction IV A, IV B and IV C in the *2021 IBC*.

Instructor: Dennis Richardson – American Wood Council

Energy Code

**Monday
AM**

Commercial Energy Code – 2018 IECC & ASHRAE 90.1 – 2016

The 2018 IECC is the focus of this class; however, it includes identification of significant differences between the IECC and the ASHRAE 90.1 option. The instruction with numerous photos will provide inspection direction on building envelopes, mechanical systems, and interior and exterior lighting. Specific subjects included are: continuous versus 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, there will be a review of lighting systems, controls, daylighting, lighting power densities, transformers, motors, and wrapping up with building commissioning.

Instructor: Brent Ursenbach – West Coast Code Consultants

**Tuesday
AM**

IECC in Texas: What, Why, and How

This course provides a background of the adoption of the Energy Code in Texas and the role of the Energy Systems Laboratory and why adoption and enforcement of the Energy Code is important for our communities and our citizens. This class will also address how to adopt and apply the energy code in your jurisdiction, including the amendment process.

Instructor: Shirley Muns Ellis – Energy Systems Laboratory

COURSE DESCRIPTIONS AND INSTRUCTORS

**Tuesday
PM**

Airflow Fundamentals

This presentation will cover:

- The importance of airflow for maximizing HVAC system performance
- A review of airflow research from Texas A&M University and Lawrence Berkeley National Laboratory
- Flexible Duct Installation “Recommended Best Practice” and understanding the negative effects of Bad Practices
- ASHRAE Advanced Energy Design Guides
- HVAC industry conflicts with R-8 in insulated register boxes
- New government regulations, what’s driving them and how to capitalize on them to grow business

Attendees will receive copies of related articles and a Ductulator created for the Air Distribution Institute with data and formulas from Texas A&M research as well as instruction on the additional functions of this Ductulator.

Instructor: Chris Van Rite – M&M Manufacturing Company

**Wednesday
AM/PM**

2018 IECC Residential Provisions

This course provides a detailed overview of residential energy code design and inspection using the 2018 IECC and IRC. This class helps attendees know where to find it in the code while reviewing specific tables, maps and related footnotes. Code book, highlighter and tabs are recommended.

Instructor: Shirley Muns Ellis – Energy Systems Laboratory

**Thursday
AM/PM**

2018 IECC Commercial Provisions

This course provides a detailed overview of commercial energy code design and inspection using the 2018 IECC. This class helps attendees know where to find it in the code while reviewing specific tables, maps and related footnotes. Code book, highlighter and tabs are recommended.

Instructor: Shirley Muns Ellis – Energy Systems Laboratory

Environmental Health Code

Monday

Understanding Emotional Intelligence and Sharing Information Based on how the Person Learns

AM

Business happens faster and faster, we have more and more to do each day. Does it seem like you spend a lot of time repeating yourself? Do you have to re-visit the same topics with the same people over and over? This 3-hour module is designed to help anyone better understand why people understand what they understand or why they don’t understand what you’ve just told them.

Instructor: Angie Whitney – TrainerAngie.com

**Monday
PM**

Identification of Public Health Threat Mosquitos

This course is an introduction to public health threat mosquitoes of North Texas as well as common breeding sites and biology of vector species.

Instructor: Erin Plaisance – Municipal Mosquito

COURSE DESCRIPTIONS AND INSTRUCTORS

Monday PM	Rodent Inspection Tips for Commercial Structure This course is an overview of identifying rodent infestation of commercial structures including entry points, feeding sites, and travel paths. It includes a brief introduction to rodent exclusion techniques and the evaluation of remedial measures. Instructor: Mike Swan - Entex Pest Solutions
Wednesday AM	The Importance of Grease Traps The course explains why grease traps are important and why and how to test them. Included is a test over how to approach a scenario and fix it. Instructor: Mitchel Davis – City of Richardson
Wednesday AM	General Over-all Grease Trap and Biohazard Clean-up The presentation will cover processes which Protect Environmental uses to clean up after events such as grease trap overflows, biohazardous spills and bloodborne pathogen incidents. Instructor: Scott Cameron – Protect Environmental Service, Inc.
Wednesday PM	Package Labeling and Allergen Requirements (1.5 Hr.) This class will discuss what inspectors need to know about requirements on labels and possible allergens. Instructor: Nancy Henley – Texas Department of State Health Services
Wednesday PM	Pop-up Food Events and Micro Markets (1.5 Hr.) This class will address pop-up food establishments in new and emerging locations. Instructor: Mason Lyman – Environmental Health Specialist, City of Richardson
Thursday AM	Artificial Swimming Lagoons (2 Hr.) Proposed Swimming Pool/Spa Regulations, Pool Plan Review Issues, and Guidance Documents (1 Hr.) This course provides a background on multiple topics in the aquatics industry (Artificial Swimming Lagoons, Model Aquatic Health Code, and Floatation Chambers). A description of artificial swimming lagoons and examples will be given as well as a review of the Artificial Swimming Lagoon Statute and proposed rules. The Model Aquatic Health Code's impact upon Aquatic venues in general and in Texas will be discussed. The growth of the flotation chamber industry, NSF Floatation Chamber Task Force involvement and uses of Floatation Chambers for Physical, Mental, and Emotional Therapy will be covered. Instructor: Kathleen O. Moore – State of Texas, Department of State Health Services
Thursday PM	Legal Issues in Environmental Health (1 Hr.) In this course, we will cover recent cases and legislative changes affecting state environmental health laws and regulations. Topics will include an overview of new and proposed legislative bills concerning environmental health, as well as detailed court case reviews, and discussion topics essential for all Texas local health officials. Instructor: Whitt L. Wyatt – Nichols, Jackson, Dillard, Hager and Smith LLP

COURSE DESCRIPTIONS AND INSTRUCTORS

- Thursday** **Food Establishments: Construction Practices, Materials, Terminology, and Contractor Involvement (2 Hr.)**
- PM** The Texas Food Establishment Rules require specific materials when constructing a food establishment. This course will explore knowledge of construction terms and common types of materials used in the construction of a food establishment. Topics covered include the do's and don'ts of construction and installation, common issues with aging buildings, and contractor involvement during the pre-permitting process.
- Instructor: Herb M. Gilliland – City of Irving Inspections Department**

Fire Prevention (IFC)

- Monday** **Energy Storage Systems – Fire-safe Installation Considerations**
- AM** Energy storage systems (ESS) are being installed in increasing numbers to address business and community energy needs. This includes stationary battery systems that provide load shedding and load sharing capabilities, which include a new generation of battery technologies with their own benefits and potential hazards. This presentation provides an overview of fire safety considerations for these systems which are being addressed with proposed changes to ICC and NFPA 1 fire codes.
- Instructor: Kelly Nicoletto – UL Codes and Regulatory Services**
- Monday** **3D Printing (Additive Manufacturing) Fire Protection Concepts and UL Resources for the Fire Service**
- PM** 3D printing or “Additive Manufacturing” is rapidly moving into industrial and non-industrial use and application. Here, we discuss their differences, process types, fire and explosion hazards, fire protection systems, physical and health safeguards, and resources available to help manufacturers meet the building and fire codes and assist the fire service in understanding this type of manufacturing. The second portion of the class explores the resources UL has available for fire service use.
- Instructor: Kelly Nicoletto – UL Codes and Regulatory Services**
- Tuesday** **2018 IFC and 2016 NFPA 20 Fire Pumps**
- AM** This course addresses requirements in the 2018 International Fire Code and International Building Code and the 2016 NFPA 20 applicable to fire pumps, covering the types of fire pumps.
- Instructor: Kevin Scott, President of KH Scott and Associates, ICC instructor**
- Tuesday** **2018 IFC/IBC/IMC Commercial Cooking Operations**
- PM** This course addresses the applicable requirements in the 2018 International Mechanical Code, International Fire Code, International Fuel Gas Code, and International Building Code applicable to commercial cooking operations. It covers determining when commercial cooking hoods are required, which type of hood is required for different cooking appliances, construction of commercial cooking hoods and ducts, air movement requirements for commercial cooking hoods, cooking oil storage and fire protection systems protecting commercial cooking hoods and appliances.
- Instructor: Kevin Scott, President of KH Scott and Associates, ICC instructor**

COURSE DESCRIPTIONS AND INSTRUCTORS

- Wednesday AM/PM** **2018 IFC Transition from 2009 IFC**
This course discusses the major changes to the 2018 International Fire Code.
Instructor: Kevin Scott, President of KH Scott and Associates, ICC instructor
- Thursday AM/PM** **2018 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, ICC instructor

International Plumbing Code/International Mechanical Code

- Monday AM/PM** **Engineering Single Stack and other Methods of Venting**
There are several ways to properly vent commercial plumbing systems including the engineered systems. This class will explore all the different methods and the different products and code requirements. This class will give students a better understanding of how to apply the code when confronted with the various systems.
Instructor: Bobby Doran- Plumbers Continuing Education
- Tuesday AM** **Common Plumbing Code Violations 2018 IPC**
This class will be based on the 2018 IRC (plumbing sections) and cover common code violations which inspectors may see during a routine residential plumbing inspection. Such violations will include improper installation of water services, plumbing fixtures and plumbing fixture connections, water heaters, etc.
Instructor: Mark Dunn – City of Hoover, AL
- Tuesday PM** **Gas Appliance Installation and Inspection Principles 2018 IFGC**
Based on the 2018 IFGC, this class will provide a basis to meet code compliance for appropriate appliance locations, appliance connections and proper combustion air requirements.
Instructor: Mark Dunn – City of Hoover, AL
- Wednesday AM/PM** **Overview of Chapters 4 - 6 of the 2018 IPC (fixture requirements, installation of water heaters, and potable water)**
This class will provide an overview of minimum plumbing fixture requirements, proper plumbing fixture installations, water heater and related safety devices required, supply of potable water (both hot and cold) to public and individual sources and how to protect that potable water. This class will also cover requirements for various water temperatures which serve specific plumbing fixtures such as shampoo bowls, public lavatories, pedicure sinks, public showers, etc.
Instructor: Mark Dunn – City of Hoover, AL

COURSE DESCRIPTIONS AND INSTRUCTORS

Thursday	Commercial Mechanical Code Inspections - Complex, Large and Unique Buildings & Systems – 2018 IMC & IFGC
AM/PM	<p>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.</p> <p>Instructor: Brent Ursebach - West Coast Code Consultants</p>

International Residential Code

Monday	The Backbone: International Residential Code Review Administration, Definitions, and Building Planning – Chapters 1 - 3
AM/PM	<p>The overview of these chapters will provide both the administrative base and essential backbone needed for understanding the building and planning sector of the design and construction process. This course will be of interest to contractors, building inspectors, plan reviewers, architects, and design professionals.</p> <ul style="list-style-type: none">•Identify administrative authority•Identify the scope and intent of administration•Define the concepts of building and planning•Structural integrity with continuous load path <p>Instructor: Russell Thornburg – Johnson County, KS Building and Codes Dept.</p>
Tuesday	International Residential Code Review – Chapters 4 - 6 (framing, interior & exterior wall design ++)
AM/PM	<p>Part of the building planning section, chapters 4 – 6, will be reviewed with detailed explanations and illustrations of required floor and wall construction and wall covering assembly. This course will be of interest to contractors, building inspectors, plan reviewers, architects, and design professionals.</p> <ul style="list-style-type: none">•Building and inspecting the most common footings and foundation walls•Main types of floor assemblies•Review three of the four types of floor assemblies: wood floor framing, wood floors on the ground, and concrete slabs on the ground•Review structural integrity of wall construction•Review designs and construction of interior and exterior wall designs <p>Instructor: Russell Thornburg - Johnson County, KS Building and Codes Dept.</p>

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- Wednesday** **Roof Construction and Assemblies IRC Review – Chapters 7 – 10 (includes wall designs, loadpaths and truss design)**
- AM/PM** A complete review of chapters 7 - 10, Wall Covering, Roof-Ceiling Construction, and Roof Assemblies will be covered, along with engineered designs and light-frame construction methods. This course will be of interest to contractors, building inspectors, plan reviewers, architects, and design professionals.
- Review designs and construction of interior and exterior wall designs
 - Construction methods from the top plate to the ridge
 - Review construction methods of continuous load path
 - Review Wood Truss Council Association (WTCA)
 - Review roof covering construction materials
 - Overview of chimney and fireplace requirements
- Instructor: Russell Thornburg - Johnson County, KS Building and Codes Dept.**
- Thursday** **Basic Electrical Inspections and Wiring Methods**
- 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**

International Building Code

- Monday** **2018 IFC Plan Review for Building Code Officials**
- AM/PM** This course is designed to cover plan review requirements in the International Fire Code which are applicable during the plan review under the International Building Code. This course will cover the IFC requirements which affect building design and construction. This course focuses on requirements such as high-piled storage, dry cleaning, combustible dust and spray-painting operations. These requirements for design and construction are referenced in the IBC but found in the IFC. This course will not cover Chapters 9 *Fire Protection and Life Safety Systems* and 10 *Means of Egress* since those requirements are found in both codes.
- Instructor: Kevin Scott - President of KH Scott and Associates, ICC instructor**
- Tuesday** **IBC Multi-Family Construction (Type V-A and Group R-2 fire-resistive-rated construction)**
- AM/PM** This course is an overview of the requirements for multi- family dwellings in the International Building Code. Type V-A construction may be the most difficult type of

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construction. This seminar discusses the design, construction and inspection of Group R-2 occupancies including building planning, fire-resistive rated construction, fire protection requirements and means of egress requirements.

Instructor: Gil Rossmiller – Colorado Code Consulting, LLC

**Wednesday
AM/PM**

2018 IBC Update (the intent of changes and how to apply the changes)

This course reviews the changes from the last edition to the current edition of the International Building Code. The background behind many of the changes will be discussed to provide the participant with an understanding of the intent of the changes and how to apply it to their everyday work. Subjects covered in the class will include the code change process, mixed occupancies, atriums, accessible means of egress and many more.

Instructor: Gil Rossmiller – Colorado Code Consulting, LLC

**Thursday
AM/PM**

Negotiating the IBC (occupancy classification, exiting, rated construction ++)

This class explores the major provisions of the International Building Code. The presentation will include discussions of the provisions addressing the following issues: occupancy classification, types of construction, means of egress, fire sprinklers and fire-resistive-rated construction, administrative provisions and accessibility. This class is designed to introduce the new provisions of the code.

Instructor: Gil Rossmiller – Colorado Code Consulting, LLC

Permit Technician

**Monday
AM/PM**

Fundamentals of the I-Codes for Permit Technicians Day 1

This course provides permit technicians with the knowledge, skills and abilities needed to perform their jobs in code administration: legal aspects, code language, code enforcement, reading construction documents, performing plan reviews and the permitting and inspection process. Participants will become familiar with the *International Building Code*® (IBC®) and the *International Residential Code*® (IRC®) and will sharpen customer relations skills.

Instructor: Tim Ryan, C.B.O.

**Tuesday
AM/PM**

Fundamentals of the I-Codes for Permit Technicians Day 2

This class provides permit technicians with the knowledge, skills and abilities needed to perform their jobs in code administration: legal aspects, code language, code enforcement, reading construction documents, performing plan reviews and the permitting and inspection process. Participants will become familiar with the *International Building Code*® (IBC®) and the *International Residential Code*® (IRC®) and will sharpen customer relations skills.

Instructor: Tim Ryan, C.B.O.

**Wednesday
AM/PM**

From Grassland to Certificate of Occupancy: The Process of Building on an Undeveloped Piece of Land

This class will take you through the entire process of a commercial (with some references to a new residential subdivision) process on an undeveloped piece of

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property. What is Planning's role? What does the Engineering Dept. do with their inspections? How do Building Inspections, Fire, Health, Water, and/or the Parks Departments factor into the process? As a Developer, what is required to be submitted and/or paid for a new development? Join us as we explore this process for a better understanding of how a development goes from Grassland to Certificate of Occupancy and our roles as Permit Technicians.

Instructor: Samantha Morrow – City of Garland

Instructor: Carey Frazier – City of Frisco

Thursday

From Techs to Specs (Preparation to transition from Permit Tech to other building department positions)

AM/PM

This course is designed specifically for those interested in making the transition from permit tech to residential plans examiner. We will discuss basic but essential steps such as reviewing plot plans, footings & slabs, wall and roof construction, and overall finish design. Participants will have the opportunity not only to learn plan review techniques, but also to strengthen their understanding of the building code vocabulary.

Instructor: Russell Thornburg - Johnson County, KS Building and Codes Dept.

Planning

Tuesday

AM

Planning & Zoning 101 (comprehensive planning, open meetings ++)

This class is meant to serve as an introduction to both terminology and methods used in daily planning and zoning operations. Topics covered will include comprehensive planning, zoning, subdivision, open meetings, and coordination with other functions/roles in the development process.

Instructor: Marc Kurbansade –City of Allen

Instructor: Lee Battle – City of Allen

Tuesday

PM

Subdivision & Platting and Cost of Infrastructure

Well-planned infrastructure is necessary for quality development. Successful design and implementation maximize functionality, safety and value. This class will review how good infrastructure planning prepares a city for development, how platting and subdivision regulations are critical for successful infrastructure design and construction, and the primary financing tools cities are using. It will cover the purpose of platting, subdivision regulations, the relationship to infrastructure design regulations and the Texas Local Government Code, as well as common implementation approaches used by different local municipalities. Discussion will explore handling costs associated with infrastructure and how we can do a better job of evaluating this cost on the front-end of development. Finally, today's cities are having to re-evaluate who owns this infrastructure and to consider alternative approaches to maintenance responsibilities.

Instructor: Chris Flanigan – City of Allen

Instructor: Lee Battle – City of Allen

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Wednesday AM	Economic Development & Planning (1.5 Hr.) This topic covers what City Staff should know about economic development tools. Instructor: Pete Smith – Attorney, City of Allen Instructor: Myron D. Dornic – Attorney
AM	Effective Private/Public Partnership (1.5 Hr.) This topic covers what City Staff should know about effective private and public partnerships. Instructor: Pete Smith – Attorney, City of Allen Instructor: Myron D. Dornic - Attorney
Wednesday PM	Drafting and Defending Ordinances (1.5 Hr.) Local regulations are interpreted and applied daily by city staff. Drafts of regulations are written by staff, consultants, or attorneys, and are sometimes challenged—informally in discussions at “the counter,” in various appeals hearings, or into court. This session will discuss basic issues in ordinance drafting, interpretation, and encourage clear thinking about the desired result before putting fingers to the keyboard. Instructor: Craig Farmer – City of Weatherford Instructor: Kimberley Mickelson – Attorney, City of Houston
Wednesday PM	The Legislature is Back in Town (1.5 Hr.) This session will look at what the 86th Legislative Session has considered, passed, passed on, and what it all means for local governments. Instructor: Craig Farmer – City of Weatherford Instructor: Kimberley Mickelson – Attorney, City of Houston
Thursday AM/PM	Building Financially Resilient Communities Every city says it wants to be fiscally sustainable, environmentally resilient and socially inclusive. Yet, the daily decisions and investments our cities make rarely align with these outcomes. We're left with fragile local economies, escalating service costs and deficits, and disconnected residents -- while frustrated city staff are stuck administering policies which create generic places citizens and businesses struggle to connect with and invest in. City leaders must find new ways to communicate these challenges and work strategically to address growing needs with limited resources. In this 2-part session, we will explore: <ul style="list-style-type: none">•AM part 1: How a city's growth and development pattern is directly connected to its property tax revenue, service costs and infrastructure liabilities•AM part 2: How cities can use fiscal sustainability as the common language to confirm your vision, frame discussions, inform decisions and engage local citizens and organizations on topics such as land use, zoning and development•PM part 1: Cultivate Community Framework for identifying, connecting and prioritizing resources in a community to incrementally improve quality of life in neighborhoods and the community

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- PM part 2: Most popular code roadblocks to building financially strong and resilient neighborhoods and group discussion about strategies to address them

Instructor: Kevin Shepherd - Verdunity

Instructor: Felix Landry - Verdunity

Plan Review

**Monday
AM/PM**

Fire-Resistive Rated Assemblies, Firestopping, and Joint Systems

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

Instructor: Steve Thomas – Colorado Code Consulting, LLC

**Tuesday
AM/PM**

Advanced Means of Egress, Chapter 10 IBC

This class is an advanced look at the means of egress requirements included in Chapter 10 of the International Building Code. The presentation will include detailed discussions on the design and review of the means of egress in unusual occupancies. Subjects included in the class are malls, assembly occupancies, special egress components, smoke proof enclosures, horizontal exits and exit passageways. Practical examples will be used to illustrate code requirements. This class is designed for those students that have a basic understanding of how the means of egress is designed and reviewed.

Instructor: Steve Thomas – Colorado Code Consulting, LLC

**Wednesday
AM/PM**

IBC Building Classification

This course addresses the essential provisions of the IBC relating to the classification of buildings. Subjects include occupancy classification, type of construction, area calculations, location on property and building heights. Practical examples and problems will be discussed to illustrate code requirements.

Instructor: Steve Thomas - Colorado Code Consulting, LLC

**Thursday
AM/PM**

Basic 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 are the three parts of the means of egress including 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: Steve Thomas - Colorado Code Consulting, LLC

Residential Construction and Inspection

**Monday

AM/PM**

Residential Framing Inspections (basic class to cover braced wall line, roof and floor trusses)

This class will cover inspection of residential conventional framing. We will answer common framing contractor questions: “Why do I need to think about what the

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insulator needs?”, “What do you mean by the building’s thermal envelope?”, “Which is the wall, and which is the ceiling... what kind of question is that?”, and “What is the difference between a braced wall line and a braced wall panel?” The discussion will include framing techniques, roof and floor trusses, hangers, etc.

Instructor: Gil Rossmiller – Colorado Code Consulting, LLC

**Tuesday
AM**

Common Plumbing Code Violations

This class will be based on the 2018 IRC (plumbing sections) and cover common code violations which inspectors may see during a routine residential plumbing inspection. Such violations will include improper installation of water services, plumbing fixtures and plumbing fixture connections, water heaters, etc.

Instructor: Mark Dunn - City of Hoover, AL

**Tuesday
PM**

Problems with Residential Foundations

This is a basic course to develop an understanding of design, failures and repairs of residential foundations. It addresses most common problems and solutions.

Instructor: Tony Childress - Childress Engineering Services

**Wednesday
AM/PM**

Residential Mechanical Inspections – 2018 IRC; Appliance Installation, Clearances, Duct Systems, Combustion Air and Venting

This class was developed specifically for the Residential Combination Inspector, providing direction on the field application of Chapters 12 – 24 of the 2018 IRC, including a brief review of significant changes in the 2018 Code. Subjects covered include appliance installation, clearances, condensation disposal, exhaust system – specifically dryer vents, range hoods, whole house ventilation, bath fan CFM and duct length requirements. It also addresses references to ACCA Manuals J, D and S, flex duct, return air, combustion air, venting, water heaters for space heating, hydronic piping, and solar thermal systems. The class will conclude with a discussion on gas pipe systems, CSST bonding, vent systems for Category I (B-vent) and Category IV (direct vent) appliances. Questions and open discussions are encouraged.

Instructor: Brent Ursenbach - West Coast Code Consultants

**Thursday
AM/PM**

Basic Electrical Inspections 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. 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-Condition 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

COURSE DESCRIPTIONS AND INSTRUCTORS

Re-Certification for Plumbing Inspector's License

**Thursday
AM/PM**

Re-Certification for Plumbing Inspectors/Continuing Education for License Renewal

This is the mandated continuing education course for licensed Plumbing Inspectors and Code Enforcement Officers whose license expire on January 31, 2020. It includes an overview of the Texas Plumbing Licensing Law and Board Rules and provides participants with the continuing education units required for plumbing license renewal. This course is approved by the Texas State Board of Plumbing Examiners for the 2019 and part of 2020 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- Plumbers Continuing Education

Test Preparation Classes

Certified Building Officials Exam Preparation

Wednesday

2018 Legal (MG) Portion of the CBO – Certified Building Official Exam Preparation

Day 1

AM/PM

This course will be a detailed review of Code Adoptions and Amendments, Alternative Methods, Permits, Notices and Orders, Right of Entry, Hazard Abatement, Tort Liability, Legal Due Process, Court Prosecution, Warrants, Antidiscrimination Policy, Employee Working Conditions, Employee Discipline and Grievances, Reports and Records, and Code Enforcement Records. This course is for anyone preparing to take the 2018 Legal (MG) portion of the CBO exam or for anyone wanting to learn more about the legal portion of the codes. This is a one (1) day seminar.

Instructor: Frank Morris – Code Instructor

Thursday

2018 Management (MM) Portion of the CBO – Certified Building Official Exam Preparation Day 2

AM/PM

This course will be a detailed review of Soft Skills, Communication, Interagency Cooperation and Reporting, Public Service and Information, Feedback Strategy, Budgets and Financing, Cost and Revenue Control, Job Descriptions and Personnel Recruitment, Personnel Supervision, Time-management Efficiency, Employee Professional Development, Employment Records, and Code Enforcement Records. This course is for anyone preparing to take the 2018 Management (MM) portion of the CBO exam or for anyone wanting to learn more about the management portion of the codes. This is a one (1) day seminar.

Instructor: Frank Morris – Code Instructor

COURSE DESCRIPTIONS AND INSTRUCTORS

Residential Electrical Exam Preparation

**Monday
AM/PM**

Residential Electrical Inspector E-1 Exam Preparation Day 1

Course Topics will cover Definitions, Electrical Theory, Clearances and Guarding, Connections and Splices, Conductors, Service Size and Rating, Service Grounding and Bonding, Feeders, Branch Circuit and Feeder Calculations, Branch Circuit Ratings and Overcurrent Protection, Required Branch Circuits, Installation Methods, and Branch Circuit Required Outlets. Upon reviewing these topics, the class will cover how to diagram a test question and the steps to solve the problem, and how to navigate the International Residential Code chapters 34 thru 42.

Attendee's should bring their IRC code book for this course.

This is NOT TDLR approved for electrical licensing continuing education.

Instructor: Bill McGovern - Intertek

**Tuesday
AM/PM**

Residential Electrical Inspector E-1 Exam Preparation Day 2

Course Topics will cover Definitions, Electrical Theory, Clearances and Guarding, Connections and Splices, Conductors, Service Size and Rating, Service Grounding and Bonding, Feeders, Branch Circuit and Feeder Calculations, Branch Circuit Ratings and Overcurrent Protection, Required Branch Circuits, Installation Methods, and Branch Circuit Required Outlets. Upon reviewing these topics, the class will cover how to diagram a test question and the steps to solve the problem, and how to navigate the International Residential Code chapters 34 thru 42.

Attendee's should bring their IRC code book for this course.

This is NOT TDLR approved for electrical licensing continuing education.

Instructor: Bill McGovern - Intertek

Commercial Plans Exam Preparation

**Monday
AM/PM**

2018 IBC Plans Examiner Preparation Course Day 1

This course will be a detailed review of project administration, public information, legal aspects, plan reading, fire resistance-rated construction, building location, interior environment, occupancy classification, types of construction, safeguards during construction accessibility, material quality, interior coverings, footings, stepped footings, special construction, piles, piers, foundation walls, floor systems, concrete slabs, wood wall systems, steel framing systems, wood wall systems, masonry wall systems, concrete wall systems, wall reinforcement, exterior sheathing, weather-resistant construction, roof/ceiling assemblies, roofing sheathings & coverings, means of egress, fire protection systems, smoke & fire venting control, interior finishes & insulation, safety glazing & glass, opening protectives, penetrations, joint systems, miscellaneous construction, building services, special construction, fireplaces, and chimneys. This course is for anyone preparing to take the 2018 IBC Inspector exam or for anyone wanting to learn more about the 2018 International Building Code. This is a two (2) day seminar.

Instructor: Frank Morris –

Code Instructor



COURSE DESCRIPTIONS AND INSTRUCTORS

Tuesday AM/PM	2018 IBC Plans Examiner Preparation Course Day 2 This course will be a detailed review of project administration, public information, legal aspects, plan reading, fire resistance-rated construction, building location, interior environment, occupancy classification, types of construction, safeguards during construction accessibility, material quality, interior coverings, footings, stepped footings, special construction, piles, piers, foundation walls, floor systems, concrete slabs, wood wall systems, steel framing systems, wood wall systems, masonry wall systems, concrete wall systems, wall reinforcement, exterior sheathing, weather-resistant construction, roof/ceiling assemblies, roofing sheathings & coverings, means of egress, fire protection systems, smoke & fire venting control, interior finishes & insulation, safety glazing & glass, opening protectives, penetrations, joint systems, miscellaneous construction, building services, special construction, fireplaces, and chimneys. This course is for anyone preparing to take the 2018 IBC Inspector exam or for anyone wanting to learn more about the 2018 International Building Code. This is a two (2) day seminar. Instructor: Frank Morris – Code Instructor
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Permit Technician Exam Preparation

Monday AM/PM	Fundamentals of the I-Codes for Permit Technicians Day 1 This course provides permit technicians with the knowledge, skills and abilities needed to perform their jobs in code administration: legal aspects, code language, code enforcement, reading construction documents, performing plan reviews and the permitting and inspection process. Participants will become familiar with the <i>International Building Code®</i> (IBC®) and the <i>International Residential Code®</i> (IRC®) and sharpen customer relations skills. Instructor: Tim Ryan, C.B.O.
Tuesday AM/PM	Fundamentals of the I-Codes for Permit Technicians Day 2 Provides permit technicians with the knowledge, skills and abilities needed to perform their jobs in code administration: legal aspects, code language, code enforcement, reading construction documents, performing plan reviews and the permitting and inspection process. Participants will become familiar with the <i>International Building Code®</i> (IBC®) and the <i>International Residential Code®</i> (IRC®) and sharpen customer relations skills. Instructor: Tim Ryan, C.B.O.

ICC Certification Exams Testing

ICC Certification Exams will be offered at the following times:

Wednesday, May 22, 2019

AM Session: 8:30 am

PM Session: 1:00 pm

Thursday, May 22, 2019

AM Session: 8:30 am

See Registration Information Page for more details.

INSTRUCTOR PROFILES

Teresa Adrian is the Director of Code Enforcement and has been with the city of Irving for 20 years. She is on the Building Officials Assn. of Texas Board of Directors and is the Presiding Officer of the TDLR Code Enforcement Officer's Advisory Committee. She is a Past President of AACE, holds multiple ICC Certifications, and teaches at state and national venues for Code Enforcement Continuing Ed.

Lee Battle is currently serving as the Assistant Director of Community Development for the City of Allen where he has worked since 2003. He has twenty-four years of professional experience in municipal government managing, development, comprehensive planning, neighborhood services, building, code enforcement, environmental health and energy management activities. Lee has a bachelor's degree in Natural Resource Management and a master's degree in urban planning from Texas A&M University. He is certified with the American Institute of Certified Planners, is a LEED Accredited Professional and has served in various leadership positions with the American Planning Association.

Frank Broyles is an attorney in Irving whose focused practice is primarily limited to business bankruptcy and energy industry litigation. He is an FINRA arbitrator who has served as a mock arbitration panel member pertaining to the Puerto Rico financial crisis. He is qualified to serve as sole arbitrator on statutory discrimination cases. Frank's licenses and certifications include: State Bar of Texas License, Texas Board of Professional Engineers License, FINRA Dispute Resolution Arbitrator, and Texas Board of Legal Specialization.

Scott Cameron is Director of Operations at Protect Environmental Services, Inc.

Tony Childress is Founder and Owner of Childress Engineering Services, Inc. established in 1994. He is a licensed Professional Engineer in 35 states with 28 years' experience in research, design management, and consulting. Tony is a past Chairman, Texas Tech University Civil Engineering Academy.

Larry Curtis has over 32 years of experience as a consulting structural engineer and nearly 17 years as a principal structural engineer with Kirkpatrick Forest Curtis, PC in Oklahoma City. In this role, he serves as the client's contact and administers project goals, budgets and schedules. He is also a professional member of the National Storm Shelter Association where he has developed an affinity for storm shelter design. Larry has performed numerous tornado storm shelter designs, community tornado shelter peer reviews, and best available refuge area evaluations.

Nina Dacko is the vector control supervisor at Tarrant County Public Health where she runs the arboviral surveillance and mosquito control program. She is educated in the field of entomology and has had a passion for working with arthropods since she was very little. Nina has been in the mosquito control industry since 2006 and has worked in programs in various locations including Illinois, the Texas panhandle, northern California and now north Texas.

Daniel Dain has extensive knowledge in the construction industry as a Project Manager/Architect/Quality Leader with over 18 years of architectural and construction management experience in complex building types and large-scale projects from programming through commissioning. Additionally, Daniel oversees Stantec's Storm Shelter Advisory Committee and is a member of the NSSA – National Storm Shelter Association Design Practices Committee.

Mitchel Davis is Water Quality Specialist for the City of Richardson Health Department for which he has worked 33 years. He holds an irrigation license, waste water license and has 15 years general construction and plumbing experience including 1.5 years' experience with grease traps.

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Betsy del Monte, FAIA is a consultant in sustainability and resilience with the Cameron MacAllister Group. Betsy's experience and expertise include high performance building design, sustainable and resilient community design and fully integrated project delivery.

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.

Myron Dornic is an Economic Development and Land Use attorney representing developers, property owners, municipalities, and associations with respect to development incentives and development regulations from and by local governments. Myron has worked with small and large municipalities and counties all over the metroplex and throughout the state. He tailors his approach to the culture and personality of each jurisdiction to foster strong communication and trust. He works to provide a solid base for the multi-year relationships which clients will have with local government entities when development projects receive public funds. His attention to procedural and statutory requirements ensures that agreements and approvals are well grounded. (Ref: <https://www.jw.com/people/myron-dornic/>)

Mark Dunn is the Chief Plumbing, Gas and Mechanical Inspector for the City of Hoover, Alabama where he has been employed for 22 years. Before employment with the City of Hoover Mark was a member of the Plumbers and Steamfitters Local #91 in Birmingham, Alabama which he joined in 1978. He has a State of Alabama Master Plumbing and Gas Fitters certification along with Plumbing, Mechanical and Gas ICC Certifications. (Certifications are: Alabama Certificate for Master Plumber and Gas Fitter, ICC Certified Plumbing Inspector, Certified Plumbing Plans Examiner, Certified Mechanical Inspector, Certified Mechanical Plans Examiner). Mark has been an Instructor for the Alabama Association of Plumbing, Gas and Mechanical Inspectors for several years and has also served on ICC Plumbing Code Committees. He also teaches as an ICC instructor as well as being involved in assisting in the writing of code training materials for the ICC.

Shirley Muns Ellis is the Energy Code Specialist at the Energy Systems Laboratory, Texas A&M University System. She is also a contract instructor for the International Code Council instructing classes on Green Building, Energy Conservation, Residential and Building Codes, and Codes of Contractors.

Brian C. Eubanks is Founder and Principal Structural Engineer of Paragon Structural Engineering, LTD, (PSE) a growing structural design and forensic investigation firm based in Plano, Texas. With over 15 years of experience he has designed thousands of residential and light commercial structures as well as hundreds of retaining walls, screen walls, and pools. Brian is a member of the American Society of Civil Engineers, Texas Section's Residential Foundation Investigation and Design committee as well as the Post-Tensioning Institute's Structural (DC-10A) and Construction/Maintenance (DC-10D) subcommittees which write the building code referenced standards to which ground supported post-tensioned foundations are designed, inspected, constructed, and maintained in the United States.

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Craig Farmer, FAICP is with the Planning Group of City Hall Essentials, LLC., a Municipal and Training Consulting Firm. Previously he was the Director of Development and Neighborhood Services over Planning, Building Inspection, Health and Code Enforcement for the City of Weatherford. He oversaw two TXAPA award winning plans for the Weatherford Downtown Plan and the Weatherford General (Comprehensive) Plan. Prior to his work with the City of Weatherford he was a consultant with the firms of Freese and Nichol's and Dunkin, Sefko and Associates. His public-sector experience includes managing Planning, Public Works, Engineering, Storm Water, Building Inspection and Transportation Departments as a Deputy City Manager or Department Head in the cities of Lubbock, Carrollton, Grand Prairie and McAllen. He is a Fellow in the College of the American Institute of Certified Planners and has served on the National Board of Directors of the American Planning Association (APA), the Board of Directors of the Texas Municipal League and as president of the Texas Chapter of the American Planning Association and the City Planner's Association of Texas. He was responsible for 16 planning projects which have won Texas Planning awards including comprehensive plans, unified development codes, zoning and subdivision ordinances, and redevelopment plans utilizing tax increment financing and public improvement districts. He also received a national award for streamlining zoning and building regulations. Craig's extensive Economic Development Experience includes 9 Tax Increment Reinvestment Zones, 8 Public Improvement Districts, and significant involvement in Lone Star Park, the Verizon Performing Arts Theatre in Grand Prairie, Starplex and the \$500 million Overton redevelopment project adjacent to Texas Tech University. Craig holds a Bachelor of Business Administration Degree from The University of Texas and a Master of Urban and Regional Planning Degree from Texas A&M University.

Joshua Feliciano is recently retired from the Irving Police Department with 20 years of policing under his belt as well as 24 years of military service. New to Code Enforcement, Josh serves as the Building & Standards Inspector for the City of Irving Code Enforcement Department, ridding the city of dangerous and substandard building conditions.

Christopher M. Flanigan is Director of the Engineering Department of the City of Allen, TX and is a Texas Registered Professional Engineer and Certified Floodplain Manager. He earned an MBA from the University of Texas at Dallas and a BS in Civil Engineering from Kansas State University. Chris has worked for the City of Allen since 2000 and worked previously with Uni-Bell PVC Association and Halff Associates, Inc. He received the TSPE Preston Trail Engineer of the Year award in 2014, the City of Allen "Integrity" PRIDE Award in 2005, and the TSPE Preston Trail Young Engineer of the Year award in 2006. Chris's civic and professional associations include the Institute of Transportation Engineers, the Texas Floodplain Management Association, the Texas Society of Professional Engineers, and the Leadership Allen Class XVIII.

Carey Frazier is a Plans Examiner with the City of Frisco reviewing Residential Plans for new construction. She has been with Frisco for over 18 years during the city's highest growth period. She holds a degree in Computer Aided Drafting and Design and is an ICC Certified Permit Technician, Permit Specialist and Zoning Inspector.

Herb Gilliland is the Asst. Building Official in charge of field operations for the City of Irving. He has been in the construction industry for more than 20 years and with the City of Irving for 6 of those years. After owning and running his own construction business for several years and building and remodeling numerous Subway Restaurants in the DFW area, he made the move to the City of Irving Inspections Department.

Briar Glenn, AIA, LEED AP BD+C is a Partner and President with Glenn | Partners in Dallas, Texas. Glenn | Partners brings together an impressive resume of K12 expertise and industry leadership under the guidance of Briar Glenn. During Briar's 16 years of professional experience, she has contributed on multiple public and private school projects throughout the state of Texas, from the initial planning concept through the final stages of construction. Through her contagious leadership and creativity, Briar challenges clients to think



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beyond what a typical school can become and how we can make responsible and sustainable decisions to support our global environment. Her unwavering stewardship helps foster fresh ideas and innovative design solutions to support a 21st century educational environment.

Marsha Godeaux has a master's degree in Architecture from Texas Tech University and a bachelor's degree in Environmental Design from Texas A&M. She has worked at TDLR for over ten years starting as a plan reviewer and working her way up to her current position as Architectural Barriers Team Lead. Marsha's most recent success in the AB Program has been her collaboration on the Texas Architectural Barriers online System (TABS) which launched on December 3rd, 2018.

Lynn Harper is Aquatics Supervisor with the City of Irving.

Benchmark Harris is a PE and Vice President of Engineering for Huckabee with over 20 years of experience, including 26 ICC 500 Tornado Shelters since the 2015 IBC was published and numerous FEMA safe Rooms before that. Ben is the Chair of the National Storm Shelter Association (NSSA) Design Practices committee, Chair of the Structural Engineers Association of Tx (SEAoT) Tornado shelter Design Practices Task Group, Chair of the National Disaster Investigation Committee with the Masonry Society (TMS), and a member of the National Council of Structural Engineers Associations (NCSEA) Code Advisory Committee. For the past 15 years he has been involved with various organizations on building code committees such as ASCE 7 (responsible for design loads) and TMS 402 (responsible for masonry design). In 2015 he received the TMS Paul Haller Structural Design Award. He has a B.S. in Civil Engineering from the University of Texas at Austin and an M.S. in Structures and Applied Mechanics from the University of Texas at Arlington.

Nancy Henley is with the Texas Department of State Health Services.

Borhan Jaber is an Associate at Walter P. Moore with experience in complex structural engineering analysis and design of various sports and performing arts projects. Borhan received his undergraduate and graduate degree in Structural Engineering from the University of Florida. He joined Walter P. Moore after graduation in 2014. Borhan lead the analytical design modeling for the Operable Roof and supporting Rail Trusses for the new Texas Rangers Ballpark, Globe Life Field. He was a chief collaborator for the development of the digital processes used during design. Borhan is currently serving as Walter P. Moore's full-time site representative for the project.

Jeff Jansing, PE is a Principal at Walter P. Moore with experience in structural engineering analysis and design of a diverse group of project types, including sports, healthcare, aviation, performing arts, parking garages, and hospitality. Jeff joined Walter P. Moore in 2004 after receiving his bachelor's and master's degrees in Engineering from Texas A&M University. He serves as the structural Project Manager for the new Texas Rangers Ballpark, Globe Life Field in Arlington, Texas. As Project Manager, Jeff provides ongoing guidance and insight into the design process and directs the day-to-day efforts of the entire structural engineering design team.

Kirk Johnson, AIA, LEED Fellow, is an associate architect at Corgan. He has been instrumental in developing sustainable practices for the firm which has produced more than 9,500,000 square feet of design and construction, including coordinating firm sustainability efforts for the Dallas City Performance Hall, a net-zero secondary school, the DFW Airport and the new Parkland Hospital campus. Kirk is past President of USGBC North Texas Chapter.

Gary Jones retired as Chief Electrical Inspector for the City of Ft. Worth, Texas with over 30 years of service. He is an adjunct instructor for the International Association of Electrical Inspectors (IAEI), a past President of



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the IAEI Texas Chapter and a member of the IAEI Southern Section Codes and Standards Committee. Gary is Chairman of the Ft. Worth Fire Prevention and Construction Board of Appeals and a licensed Master Electrician whose career included working as a journeyman electrician on residential, commercial, and industrial projects and owning an electrical contracting and service company.

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.

Kelly Kistner is the Chief Investigator for Texas with Forensic Investigations Group, LLC., the only private forensics company accredited to ISO 17020 standards as a fire investigation unit. Prior to returning to the private sector, Kelly was the Assistant State Fire Marshal in Texas and responsible for the fire investigation, fire inspection and outreach, policy and research sections of the SFMO. Kelly is the former fire marshal of Guadalupe County, TX and has served in multiple other capacities in the fire service and law enforcement. While in Guadalupe County, Kelly observed what he believed to be indications of Human Trafficking. The observations ultimately led to an interstate, multi-jurisdictional investigation. Since that first incident, Kelly has been involved in several other human trafficking investigations—most of which came from fire inspection and investigation duties. He received his bachelor's degree from Texas State University in Urban and Regional Planning. He is currently pursuing his Master of Science in Forensic Sciences from Oklahoma State University. He is a master Texas peace officer, a certified fire investigator through the International Association of Arson Investigators, and holds advanced Texas certifications as an arson investigator, fire inspector and firefighter. He is also certified as a fire service Instructor III, Fire Officer, and Incident Safety Officer. Kelly is a Certified Fire Protection Specialist and currently serves as a principle voting member on two NFPA committees.

Marc Kurbansade serves as Director of Community Development at the City of Allen, overseeing functions including Planning, Zoning, Building Permits and Inspections, Code Compliance, and Environmental Health. Marc previously served as the Director of Community Development at both the City of Rowlett and the City of Sachse. Prior to his transition to the public sector in 2010, Marc previously worked in the private sector primarily focusing on land entitlements. Marc received his Master of Public Administration from the University of North Carolina-Chapel Hill, Master of Urban and Regional Planning from Florida Atlantic University, and his Bachelor of Science in Environmental Studies from Richard Stockton College. In addition to being actively involved in the International City-County Management Association (ICMA), Marc has been a member of The American Institute of Certified Planners (AICP) since 2006.

Trey Laird, AIA is Principal-in-Charge at Stantec. Since joining Stantec over 20 years ago, Trey has led numerous successful educational facility projects, providing leadership in all aspects of those projects. In the last seven years he has led successful bond planning efforts which have totaled nearly 2 billion dollars in value. Trey has well-rounded expertise and is skilled in project management, job costing, master planning, and programming. Trey serves on Stantec's Innovative Learning Environments Research R+B.

Felix Landry is a City Planner with Verdunity. He found Verdunity by looking for someone in the Dallas/Fort Worth metroplex who could critique the return on investment model he had created while working for the City of Fort Worth. After completing a few small contracts on his own he left public sector planning and joined Verdunity full time in July 2018. He began studying methods to fiscally model a city's development patterns while updating the City of Waco comprehensive plan in 2014-2015. Since then, he has been creating new ways



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to model the fiscal impacts of land use plans, zoning districts, and development regulations. In addition, he enjoys drafting ordinances which implement development patterns designed to create a more financially equitable city.

Mason Lyman has been an Environmental Health Specialist for the City of Richardson for almost 3 years, he previously was a health inspector for 2 years in Tillamook County, Oregon. He graduated from Utah Valley University in Environmental Management in 2013.

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).

Dudley McFarquhar, PhD, PE (Dr. D) has 27+ years of experience as a building enclosure specialist and is owner of McFarquhar Group, Inc., an engineering consulting firm in Waxahachie, Texas. He has taught courses in the Civil Engineering Department of Texas Tech University and has extensive experience in engineering consulting and design, forensic investigation, building repair/restoration of building exterior enclosures and related litigation support. Dr. D is a published author and engineer-of-record for cladding on several commercial projects within the U.S. He has performed engineering and consulting on several projects in the Far East, Europe, and Central and South America. He is active in ASTM, ASCE, AEI, GANA, BETEC and has held many chairperson positions on technical committees.

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

Kimberley Mickelson is a Senior Assistant City Attorney in Houston. She concentrates her practice in land use, real estate development, economic development, aviation, and municipal and non-profit corporation law, and is a frequent speaker and author on these issues in Texas and nationally. Kim is an honors graduate of the Plan II program at The University of Texas as well as The University of Texas School of Law and the Lyndon B. Johnson School of Public Affairs. She studied municipal and historic preservation practices in Krakow, Poland, and studied in Germany and the former Yugoslavia. She is a member of the Texas Bar Association and serves as Chair-Elect on the Section Council of the Government Lawyers Section. She is also a member of the Houston Bar Association, the Texas City Attorney's Association, the American Planning Association, and the American Institute of Certified Planners. Kim has been a planning committee member and faculty member for all but the first year of the UT Land Use Law Conference, has spoken at the State Bar of Texas Conferences on Advanced Real Estate, Suing and Defending Governmental Entities, and Advanced Government Law, and at Texas Municipal League and International Municipal Lawyer's Association Conferences. She is the immediate Past President of the Texas APA Chapter (APATX), and the Editor of Texas APA's book, A Guide to Urban Planning in Texas Communities. While President of APATX she focused on improving advocacy efforts for planning in the Texas legislature, culminating in the creation of Planning Matters, Inc. as the advocacy arm of the organization, and, post-Harvey, created "Texas Planners for Texas Communities," a recovery initiative designed to get assistance to affected communities and planning staff. She is a board member of Blueprint Houston, Inc. and a member of Preservation Texas and Preservation Houston. Kim has taught undergraduate

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and graduate courses in several universities to varied student populations and is a Visiting Associate Professor in the master's in Urban Planning program in the College of Architecture at Texas A&M University in College Station.

Matt Mitchell BA, MABS, AASCM is owner of James Andrews Custom Homes, LLC and has been a builder and REALTOR since 2002. He holds designations in: Master SIP Builder, Certified Green Master Builder (CGMB), Certified Graduate Builder (CGB), New Home Sales Specialists (NHSS), and Green REALTOR (GREEN). He holds degrees from The University of Texas - with a degree in (public Administration) and an emphasis in Psychology, North Lake College - with an Associates of Arts and Science degree in Construction Management, and Dallas Theological Seminary - with a master's in biblical studies. Matt is an executive officer of the 1100-member Dallas Builders Association: Vice President/Secretary- Current-2019, Vice President/Government Affairs- 2019/2020, President- 2020-2021. He serves as Chairman of the ARC Awards, Vice Chairman of the Education Committee, and Vice President of the Dallas Division of the DBA. His Real Estate license is held with Gilchrist and Company Real Estate.

Kathleen O. Moore is a Sanitarian with the State of Texas Department of State Health Services and is primarily responsible for the Public Pools and Spas Program and Interactive Water Features and Fountains. She was Environmental Investigator with the City of Houston for 13 years in water, wastewater, hazardous materials, dangerous buildings, and swimming pools and spas. Kathleen also has experience in other programs such as Asbestos, Product Safety, Youth Camps, Bedding, and EDAP.

Frank Morris is a nationally recognized instructor with over 40 years' experience in the construction and code industry. He has been an instructor for SBCCI and ICC as well as being President of Tri-State Consultants, a successful construction and code consulting company. Frank is also President of StudyTheCode.com, an industry-wide and noted online code-training and study aids website.

Samantha Morrow has worked in the Garland Building Inspections Dept. for 18 years, is a current member and past president of the North Central Texas Permit Technicians Chapter and is an ICC Certified Permit Specialist. She has been a member of the ICC Permit Technicians Ad Hoc Committee and has had years of experience within the multi-family industry where she worked on rehabilitation and new construction properties for various companies.

Mark Ode is a lead engineering associate for Energy & Power Technologies at Underwriters Laboratories, Inc. and is a member of the National Electrical Code Correlating Committee and the 2017 NEC code-making panels 3 and 13.

Jim Olk is Building Official for the City of Garland, Texas. Jim has worked for municipal governments for over 35 years and 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, the flood and tornado in Garland, and Hurricane Harvey along the Texas Gulf Coast.

Kelly Nicoletto works with UL as Senior Regulatory Engineer after retiring from a career in fire protection with the United States Air Force and the Alaska Department of Public Safety where he held almost every position in the Division of Fire and Life Safety. He was appointed to the position of Alaska State Fire Marshal on September 10, 2012. Kelly earned the Associate Degree in Fire Science from the Community College of the Air Force and the Associate Degree in Occupational Education from Vernon Regional Jr. College in Texas. He sits on the International Code Conference Fire Service Membership Committee representing NASFM, is a past member of the ICC Fire Code Action Committee and serves as a member of NFPA 1 Fire Code Technical

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Committee.

Erin Plaisance is the Assistant Director of Operations at Municipal Mosquito. She graduated from UTD with a degree in biology and is a Certified Mosquito Identification Specialist after completing an intensive two-week course at the University of Florida Medical Entomology Lab. Erin oversees mosquito surveillance, identification, disease testing, and control operations for over 60 municipal contracts. During mosquito season she identifies mosquitos daily in her laboratory and teaches her interns mosquito identification.

Marcella Abadi Rhoads, FAIA RAS is the owner of Abadi Accessibility, an accessibility consulting firm which is dedicated to educating the building industry about the laws of accessibility. She is the author of “The ADA Companion Guide” and “Applying the ADA” published by John Wiley and Sons. She is a registered architect and accessibility specialist in Texas.

Dennis Richardson, PE, CBO, CASp is Western Regional Manager, American Wood Council. He joined the American Wood Council in January of 2013 after working 17 years as a building official. Dennis is a civil engineer registered in California with private sector design and consulting experience. He has been active on several code development and education efforts and has authored several code changes on subjects ranging from simplified seismic in the 1997 UBC to a rewrite of the heavy timber provisions in the 2018 IBC. Dennis is a current member of the 2018 ICC Fire Safety Code Committee, a Past President of the Peninsula Chapter of ICC and a graduate of UC Davis with a BS in Civil Engineering.

Gil Rossmiller is the Chief Building Official for Parker, Colorado and is active in building and energy code development. With over 30 years in the construction industry he brings a hands-on perspective to building code compliance.

James (Tim) T. Ryan, C.B.O. served the City of Overland Park for 40 years; all in the Building Safety Division. He served that community as a field inspector, plans examiner, field supervisor and as Code Administrator from 1998 until 2017. He currently serves as the Executive Director of the International Building Officials Association and as a National and International Code Consultant. Tim graduated from Pittsburg State University with a Bachelor of Science Degree in Construction Management and Technology in 1978. He is certified in 15 separate categories of building code administration and management. During his career, he has served on approximately 30 task force groups, ad hoc and administrative committees at the local, state and national levels. He is well recognized as a public speaker and is highly regarded as an instructor on several topics of building and fire codes, legal aspects, leadership and management. He served as a special advisor to former FEMA Director James Lee Witt following Hurricane Katrina on damage assessment and building recovery. He served on the Board of Directors for the Building Officials and Code Administrators (BOCA), Intl. model code organization from 1993 through 2002, including as the last full-term President of BOCA before merging with ICBO and SBCCI to form the International Code Council. He then served 7 years on the Board of Directors for the International Code Council. He was appointed to the Board of Directors for the National Institute of Building Sciences in 2006 and is currently serving as one of six board members to be appointed to that Board by the President of the United States; Tim was appointed by President Obama in 2012. He is the only Code official ever to be appointed to a position by a United States President. He currently is a member of the ICC Codes and Standards Council, Code Correlation Committee and serves as a moderator for the ICC Code Development hearings. In 2012, Tim was awarded ICC’s Bob Fowler award for his outstanding leadership in furthering a safer built environment in 2012. Tim was awarded the Mortimer M. Marshal Award from the National Institute of Building Sciences in January 2018 for outstanding life time achievement.

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Cathy Scarince, P.E. is an Engineered Wood Specialist with APA, the Engineered Wood Association. A licensed Professional Engineer in the state of Colorado, she graduated from the University of Wisconsin-Madison with a BS in civil engineering. After spending 6 years as a structural engineer Cathy worked for general contractors in the commercial construction industry for 18 years. In this field, she performed primarily in quality management roles both as an inspector in the field and as the manager of a quality program. In her role as an Engineered Wood Specialist for the greater Dallas-Fort Worth area she works with local building officials, builders, engineers, architects, suppliers and others to enhance their knowledge and understanding of engineered wood products. Cathy works to ensure that the products are properly specified, designed and installed to maximize the many benefits of engineered wood products, with the goal of satisfied end users.

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.

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 has 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, Stephen serves as an industry ambassador advocating for the safe use of containers for container-based structures. Considering the rapidly changing regulatory environment Stephen 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, he was awarded the MBI Volunteer of the Year. Stephen is a graduate of The University of Texas at Austin and the Massachusetts Institute of Technology's Entrepreneurial Master's Program.

Kevin Shepherd is Founder and CEO of Verdunity and has over 24 years of experience in civil engineering, planning, municipal finance, entrepreneurship, and community engagement. Considered by many to be a thought leader and pioneer in the planning/engineering field, Kevin leverages his unique background and communication talents to educate, challenge traditional silos, and bring perspectives together to encourage communities to build in a manner which is more fiscally responsible, healthy and sustainable.

Pete Smith is an attorney and managing partner of Nichols, Jackson, Dillard, Hager & Smith, L.L.P., Dallas, Texas, with areas of expertise in economic development, land use, ad valorem taxation, and municipal law. His practice is devoted almost entirely to the representation of political subdivisions, including trial and appellate litigation on behalf of appraisal districts, and governmental agencies throughout the State. The firm serves as counsel for appraisal districts, municipalities and political subdivisions throughout the State. Currently, Pete is City Attorney for the Cities of Richardson, DeSoto, Allen, Farmers Branch and Sachse. He is also general counsel for the Denton County Transportation Authority and the Atascosa, Camp, Dallas, Denton, Ellis, Erath, Gregg, Hunt, Kaufman, Parker, Red River, Tarrant, Upshur and Williamson Central Appraisal Districts. Pete

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represents various Type A and B corporations and serves as Special Counsel to various municipalities throughout the state.

Tom Smith founded TlSmith Consulting, specializing in forensic architecture and architectural technology and research with an emphasis on roof systems and wind performance of buildings. He has served on the ASCE 7 subcommittee on wind loads since 1990. He also serves on two other ASCE wind committees and has performed building performance investigations after 16 hurricanes and 5 tornado outbreaks. Tom has coauthored 9 wind design guides. He received the Carl G. Cash Award from ASTM International in 2013 for his body of work regarding wind damage investigations. Also in 2013, he was promoted to Fellow grade membership of ASCE's Structural Engineering Institute (SEI) for his many years of service on the ASCE 7 Wind Loads Task Committee, and for his body of work regarding wind damage investigations and wind design guides.

Janet Spugnardi has over 14 years of experience serving as legal counsel for cities in the State of Texas, with a primary emphasis on code enforcement issues. In October 2012, Janet 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. Previously, Janet worked in private practice and at the City of Dallas where she handled extensive litigation involving code ordinances, land use and zoning, criminal nuisance abatement and inverse condemnation. In 2013 she received the Daniel J. Curtin Young Public Lawyer of the Year award from the International Municipal Lawyers Association. She is a graduate of Texas Christian University and earned her J.D. from Southern Methodist University.

James Stallcup, Jr. is a graduate of the JATC apprenticeship program in Fort Worth, Texas, a master electrician and a former electrical inspector with twenty-five years' experience in the electrical industry. He has co-authored nine books and served as technical editor for four. James serves on several NFPA committees for the development of electrical codes and safety.

Mike Swan is Operations Manager and Municipal Mosquito Technical Director since 2012. He graduated from Texas A&M with a B.S. in Entomology and is a Board-Certified Entomologist. Mike has given presentations and educational seminars on the topics of structural pest control, insect and rodent pest biology, operational insect control and other related topics to groups including Texas Environmental Health Association, American Mosquito Control Association, Texas Mosquito Control Association, Texas A&M AgriLife conferences, BPI and numerous other organizations.

Steve Thomas is President of Colorado Code Consulting, LLC and serves on the ICC Means of Egress Code Development Committee.

Russell Thornburg is a Plan Examiner for the Johnson County, Kansas, Building and Codes Department. He has over 30 years of construction and inspection experience, 17 of which have been spent as an educator. Russell has a BS degree in Religion/English from the University of Mary Hardin-Baylor and a Master of Divinity in Theology/Education from Southwest Baptist Theological Seminary in Texas. He received his certification in Building Inspection Technology from North Hennepin Community College in Minnesota and has 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 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 faculty at



INSTRUCTOR PROFILES

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.

Rick Valdes is a Supervising Investigator with the Compliance & Enforcement Department, Texas Board of Professional Engineers. He has over 27 years of experience as an investigator with the State of Texas; fifteen of those years with the Board. As an investigator, Rick ensures that the TPBE Act and Board Rules are followed and investigates complaints which are received by the Board regarding violations to the Act and or Board Rules. Rick has worked for the Travis County Sheriff's Department and the Texas Department of Licensing and Regulation, and while there, was the Program Manager of Professional Boxing for the State of Texas. Additionally, Rick was also the Supervising Investigator for the Texas Real Estate Commission. Rick has a bachelor's degree in Criminal Justice from Southwest Texas State University '86, San Marcos, Texas.

Chris Van Rite is VP of Sales, M&M Manufacturing Company (34 years). He is a member of ASHRAE, a voting member of the Residential Building Committee, and a corresponding member of TC 5.2 Duct Design. Chris is also an active member of ICC, IAPMO, ACCA, and RSES.

Angie Whitney is owner of TrainerAngie.com, focusing on business to business service providing training in Customer Service, Leadership, Management, Sales, Health and Safety, English as a Second Language, Spanish as a Second Language, Command Spanish, Diversity, Absence Management, interviewing skills and other skills. She is comfortable conducting needs analysis to design and/or customize programs along with training many of the Professional Development Training, MHIGlobal (AchieveGlobal), DDI and American Management Association (AMA) programs. Angie has a bachelor's degree in Speech Communication (Public Speaking) with minors in Journalism and Psychology from San Diego State University. She has developed and trained Customer Service and Leadership extensively for the City of Garland along with the Cities of Ft. Worth, Plano, Irving, Mesquite and Dallas County, along with the Perot Museum and the George W. Bush Presidential Center.

Whitt Wyatt is a partner with the law firm Nichols Jackson, LLP. His practice is devoted entirely to representing cities and local governments. Whitt presently serves as city attorney for several municipalities throughout Texas including Richardson. In addition to his duties as city attorney, he also serves as prosecutor and in the past 10+ years has tried over 1,200 criminal cases, many of which involved enforcement of local code and health ordinances.



BUILDING PROFESSIONAL INSTITUTE

**2019 27th Annual
North Texas BPI**

Irving Convention Center, 500 West Las Colinas Blvd., Irving, TX 75039

May 20-23, 2019

PROGRAM SCHEDULE

Monday, May 20, 2019

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

Tuesday, May 21, 2019

7:30 AM - 8:30 AM	Registration opens, Coffee is available
8:00 AM - 8:30 AM	Exhibitors' Showcase Open
8:00 AM - 5:00 PM	TAS Academy (8 hr. course)
8:30 AM - 10:00 AM	BPI Courses – See Posted Daily Classroom Schedule
10:00 AM - 10:30 AM	Refreshment Break All Courses, Exhibitors' Showcase
10:30 AM - 12:00 PM	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 - 2:15 PM	BPI Courses, See Posted Daily Classroom Schedule
2:15 PM - 2:30 PM	Refreshment Break, Exhibitors' Showcase
2:30 PM - 4:15 PM	BPI Courses - See Posted Daily Classroom Schedule



BUILDING PROFESSIONAL INSTITUTE

**2019 27th Annual
North Texas BPI**

**Irving Convention Center, 500 West Las Colinas Blvd., Irving, TX 75039
May 20-23, 2019**

PROGRAM SCHEDULE (Continued)

Wednesday, May 22, 2019

7:30 AM	-	8:30 AM	Registration opens, Coffee is available
8:00 AM	-	8:30 AM	Exhibitors' Showcase Open
8:00 AM	-	5:00 PM	TAS Academy (8 hr. course)
8:30 AM	-	10:00 AM	BPI Courses Start - See Posted Daily Classroom Schedule
8:30 AM			ICC Certification Exam Testing
10:00 AM	-	10:30 AM	Refreshment Break All Courses, Exhibitors' Showcase
10:30 AM	-	12:00 PM	BPI Courses - See Posted Daily Classroom Schedule
11:30 AM	-	1:00 PM	Staggered 1-Hour Lunch (Full Day Attendees), Exhibitors' Showcase
1:00 PM	-	2:15 PM	BPI Courses – See Posted Daily Classroom Schedule
1:00 PM			ICC Certification Exam Testing
2:15 PM	-	2:30 PM	Refreshment Break
2:30 PM	-	4:00 PM	BPI Courses, See Posted Daily Classroom Schedule
3:00 PM			Exhibitors' Showcase closes

Thursday, May 23, 2019

7:30 AM	-	8:30 AM	Registration opens, Coffee is available
8:00 AM	-	5:00 PM	Re-Certification for Plumbing Inspectors/Continuing Education for License Renewal (8hr. course)
8:30 AM	-	10:30 AM	BPI Courses start , See Posted Daily Classroom Schedule
8:30 AM			ICC Certification Exam Testing
10:00 AM	-	10:15 AM	Refreshment Break, All Courses
10:15 AM	-	12:00 PM	BPI Courses – See Posted Daily Classroom Schedule
11:30 PM	-	1:00 PM	Staggered 1-Hour Lunch (For Full Day Attendees, All Courses)
1:00 PM	-	2:30 PM	BPI Courses – See Posted Daily Classroom Schedule
2:30 PM	-	2:45 PM	Refreshment Break
2:45 PM	-	4:15 PM	BPI Courses – See Posted Daily Classroom Schedule

REGISTRATION FEES

Early Bird Registration Rates – *By May 3, 2019*

Full Day	\$140.00
½ day	\$ 75.00

Regular Registration Rates – *After May 3, 2019*

Full Day	\$150.00
½ day	\$ 80.00

On-Site Registration Rates

Full Day	\$150.00
½ day	\$ 80.00

REGISTER NOW!

REGISTER FOR AN ICC CERTIFICATION EXAM

ICC Certification Exams will be offered on Wednesday and Thursday and require a separate registration. Here are the available time slots:

Wednesday, May 22, 2019	AM Session: 8:30 AM	&	PM Session: 1:00 PM
Thursday, May 23, 2019	AM Session: 8:30 AM		

The exams will be offered through PRONTO as Bring Your Own Device Administrations. Be sure to bring your laptop or tablet to be able to take the exam.

REGISTER FOR EXAM HERE

HOTEL INFORMATION

Hyatt Place Las Colinas

5455 Green Park Drive

Irving, TX 75038

972-550-7400

Complimentary shuttle to the Irving Convention Center provided by the Hyatt Place.

Group Name: Building Professional Institute

BOOK MY ROOM NOW!



27th Annual North Texas Building Professional Institute



ICC Membership Number:				Early Bird Registration Rates – Ends May 3, 2019 Full Day \$140.00 ½ day \$ 75.00 Regular Registration Rates – After May 3, 2019 Full Day \$150.00 ½ day \$ 80.00 On-Site Registration Rates Full Day \$150.00 ½ day \$ 80.00 Mail to: International Code Council - BPI Registrar Central Regional Office 4051 Flossmoor Road Country Club Hills, Illinois 60478 Fax to: 708-799-2651 Contact the International Code Council at 1-888-422-7233, extension 4525 or lchagolla@iccsafe.org
First Name:		Middle Initial:		
Last Name:				
Job Title for Badge:				
Jurisdiction/Organization:				
Address:				
City:				
State/Province:				
Zip Code:				
Country:				
E-Mail:				
Day Telephone:		Extension:		
Home Telephone:		Fax Number:		
Please indicate if you require special seminar room accessibility accommodations:				

SEMINAR REGISTRATION

Enter session numbers below:

	Monday	Tuesday	Wednesday	Thursday
AM or All Day				
PM				

TOTAL REGISTRATION FEES

I am attending all 4 days:	\$560 (ends May 3, 2019)	or	\$600 (after May 3, 2019)	\$
I am attending less than 3 days	\$140 per day / \$75 per half day or	\$150 per day / \$80 per half day		\$
	(ends May 3, 2019)	(after May 3, 2019)		
PAYMENT OPTIONS				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/BPINorth				