23rd B P I

University of Texas at Arlington

May 18-22, 2015

ICC INTERNATIONAL CODE COUNCIL® PREFERRED PROVIDER

Education and Training Courses for the Building Professional

Sponsored by:

Construction Research Center
University of Texas at Arlington
and

BOAT
BUILDING OFFICIALS ASSOCIATION OF TEXAS

ICC NORTH TEXAS CHAPTER

U.S. GREEN BUILDING COUNCIL CHAPTER
NORTH TEXAS

PERMIT TECHNICIANS TIE IT ALL TOGETHER
NCTPTC

FIRE PREVENTION ENFORCEMENT
Association of North Texas

ICC PMCOAT
Plumbing/Mechanical Code Officials Association of Texas

Join us in Arlington for a nationally recognized educational program!

ALL INFORMATION IS SUBJECT TO CHANGE

An annual week-long program offering quality education and training courses in 20 different tracks including:

Recert. for Plumbing Insp, TX Accessibility, Architecture/Green Bldg., Code Enf., Electrical, Engineering, Environmental Health, Fire Prevention, IBC, IEC, IPC, IMC and IFGC, IRC, Permit Tech, Plan Review, Planning, Public Works, Engineering, Surveying, Res. Const., Special Topics and Medical Gas Training.

Early Bird Registration through May 8th

- $ 120 per day early registration
- $ 70 per 1/2 day early registration
- $ 65 for Friday early registration

Late Registration May 9th—May 22nd

- $ 130 per day late registration
- $ 75 per 1/2 day late registration
- $ 70 for Friday late registration

Select Courses

Cost as noted in on-line BPI Brochure on registration page #33.

All registrations include course, available handouts, and refreshment breaks. Full day registrants also receive lunch.

On-line Registration is now open. Register at www.BPI-TX.com Questions? Contact the CRC at 817-272-3701 or e-mail: crc@uta.edu.

AIA, AICP-CM, DSHS, GBCI, RAS, TDLR and ICC C E Hours (on approved courses)
RAS Credits (on approved courses)
TBPLS Hours (on approved courses)

TWENTY-THIRD BUILDING PROFESSIONAL INSTITUTE CURRICULUM – MAY 18-22, 2015

TRACK	MONDAY MAY 18 AM	MONDAY MAY 18 PM	TUESDAY MAY 19 AM	TUESDAY MAY 19 PM	WEDNESDAY MAY 20 AM	WEDNESDAY MAY 20 PM	THURSDAY MAY 21 AM	THURSDAY MAY 21 PM	FRIDAY MAY 22 AM
RE-CERT FOR PLUMBING INSPECTORS / RESIDENTIAL FIRE SPRINKLER EXAM 01					3601AP RE-CERTIFICATION FOR PLUMBING INSPECTORS/CONTINUING EDUCATION FOR LICENSE RENEWAL		4401A RESIDENTIAL FIRE SPRINKLER EXAM TO REGISTER GO TO: HTTP://WWW.TSBPE.STATE.TX.US/		
TEXAS ACCESSIBILITY 3 DAY ACADEMY 02			2802AP TEXAS ACCESSIBILITY ACADEMY DAY 1 OF A REQUIRED 3 DAY COURSE FOR RAS CERTIFICATION		3802AP TEXAS ACCESSIBILITY ACADEMY DAY 2 OF A REQUIRED 3 DAY COURSE FOR RAS CERTIFICATION		4802AP TEXAS ACCESSIBILITY ACADEMY DAY 3 OF A REQUIRED 3 DAY COURSE FOR RAS CERTIFICATION		
TEXAS ACCESSIBILITY 03	1403A UNDERSTANDING TX ACCESSIBILITY REQ. 2012	1403P APPLYING TX ACCESSIBILITY REQ. 2012							5303A UNDERSTANDING ADA TITLE II TRANSITION PLANS (SAME AS 5317A)
ARCHITECTURE / GREEN BUILDING 04	1304A SIGNIFICANT CHANGES IN LEED AND IGCC	1304P CONSTRUCTION WASTE MGMT. AND RECYCLING PRACTICES	2304A GREEN SPECIFICATIONS	2304P HEALTHY MATERIALS	3304A ACCESSIBILITY CLASS FOR REQUIRED TBAE EDUCATION	3304P LEED CASE STUDIES	4304A WATER EFFICIENCY	4304P LOW-IMPACT LANDSCAPE DESIGN	5304A GREEN BUILDING TOUR (SAME AS 5316A)
CODE ENFORCEMENT 05	1305A LEGAL ASPECTS		2605AP ICC PROPERTY MAINTENANCE CODE		3305A LEGAL ASPECTS	3305P ESTABLISHING AND OR EXPANDING A MULTIFAMILY INSPECTION PROGRAM	4605AP IRC OVERVIEW FOR CODE ENFORCEMENT PERSONNEL		5305A EFFECTIVELY IMPACTING YOUR NEIGHBORHOOD
ELECTRICAL 06	1606AP 2014 NEC ILLUSTRATED CHANGES **TDLR # 11197**		2606AP COMMERCIAL ELECTRICAL INSP. USING THE 2014 NEC **TDLR # 13194**		3606AP ELECTRICAL CALCULATIONS FOR CONDUCTOR, AMPACITIES, AND OVERCURRENT PROTECTION **TDLR #13193**		4606AP GROUNDING AND BONDING 2014 NEC **TDLR # 12664**		5306A HAZARDOUS LOCATIONS
ENGINEERING 07	1307A IBC CHAPTER 17 SPECIAL INSPECTION ROLES AND RESPONSIBILITIES OF PARTIES (SAME AS 1310A)	1307P OPTIMIZATION OF CONCRETE PAVEMENT DESIGN/ LONG TERM PERFORMANCE/ LOW COSTS	2307A OVERVIEW OF CONCRETE TECHNOLOGY AND UPDATE ON CODES AND STANDARDS	2307P ENGINEERING ETHICS 2015 AND CONSTRUCTION LITIGATION	3307A INFLUENCE OF STRUCTURAL FAILURES ON TODAY'S BLDG. CODES	3307P CONSIDERATIONS FOR DESIGN AND INSTALLATION OF HELICAL PILE FOUNDATION	4307A NATIONAL DESIGN SPECIFICATIONS AND CODE ESSENTIALS FOR WOOD CONST.	4307P WIND/SEISMIC RESISTANT DESIGN USING THE 2015 IBC	5307A MASONRY WALLS AND ENERGY PERFORMANCE
ENVIRONMENTAL HEALTH 08	1608AP HAZARD ANALYSIS CRITICAL CONTROL POINTS		2308A FLYING, CREEPY CRAWLY THINGS AND HOW TO CONTROL THEM	2308P WHAT OR WHO DUNNIT – FOODBORNE ILLNESS INV.	3608AP PUBLIC HEALTH PROTECTION FROM CROSS-CONNECTIONS		4608AP RODENT MANAGEMENT		5308A POOLS – WHAT IS NEW AND WHAT IS OLD BUT STILL GOOD
FIRE PREVENTION 09	1609AP MAJOR CHANGES TO THE 2015 IFC W/ 2015 NCTCOG RECOMMENDED AMENDMENTS		2309A PROVING YOUR PROGRAMS WORTH	2309P UNWANTED/FALSE ALARM REDUCTION	3609AP YOUTH FIRESETTING PREVENTION & INTERVENTION LEVEL I & II OVERVIEW		4609AP CHANGES TO THE 2013 EDITION ON NFPA 13		5309A ACCESS CONTROL (SAME AS 5310A AND 5315A)
INTERNATIONAL BUILDING CODE 10	1310A IBC CHAPTER 17 SPECIAL INSPECTION: ROLES AND RESPONSIBILITIES OF PARTIES (SAME AS 1307A)	1310P OVERVIEW OF THE 2015 IBC – ANALYSIS OF CODE CHANGES	2310A OVERVIEW OF PODIUM CONSTRUCTION, HEIGHTS AND AREAS FOR CH. 5 OF THE IBC	2310P 2015 IBC FIRE RESISTANCE RATED WALL CONST.	3610AP SPECIAL TOPICS OVERVIEW OF CHAPTER 6, 8, & 12 OF THE 2015 IBC		4310A MEANS OF EGRESS CHAPTER 10 OF 2015 IBC	4310P SPECIAL TOPICS OVERVIEW OF CHAPTER 24, 29 & 30 OF 2015 IBC	5310A ACCESS CONTROL (SAME AS 5309A AND 5315A)
INTERNATIONAL ENERGY CODE 11	1611AP 2015 IECC RESIDENTIAL PROVISIONS		2611AP 2015 IECC COMMERCIAL PROVISIONS		3311A COMMON SENSE APPROACH TO ENERGY CODE COMPLIANCE	3311P APPLYING THE ENERGY RATING INDEX CODE COMPLIANCE OPTION	4611AP RENEWABLE ENERGY SOURCES SOLAR AND WIND		
IPC / IMC & IFGC 12	1312A WATER CONSERVATION	1312P RAINWATER HARVESTING	2612AP MULTI-PURPOSE RESIDENTIAL FIRE SPRINKLER SYSTEMS		3612AP COMMERCIAL MECHANICAL INSPECTIONS AND 2015 UPDATES		4312A GREASE TRAPS/ INTERCEPTORS 2015 UPDATES	4312P INSPECTING AND INSTALLING CONDENSING TANKLESS WATER HEATERS	

LUNCH FOR FULL DAY REGISTRANTS ONLY: AP COURSES AT 11:30AM TO 12:30PM OTHER COURSES AT 12:00 – 1:00PM THURSDAY LUNCH 11:45 TO 1:00PM ALL COURSES

TWENTY-THIRD BUILDING PROFESSIONAL INSTITUTE CURRICULUM – MAY 18-22, 2015

TRACK	MONDAY AM	MONDAY MAY 18	MONDAY PM	TUESDAY AM	TUESDAY MAY 19	TUESDAY PM	WEDNESDAY AM	WEDNESDAY MAY 20	WEDNESDAY PM	THURSDAY AM	THURSDAY MAY 21	THURSDAY PM	FRIDAY AM	FRIDAY MAY 22
INTERNATIONAL RESIDENTIAL CODE 13	1613AP OVERVIEW OF THE 2015 IRC – ANALYSIS OF CODE CHANGES			2613AP ROOF TO SOIL: THE ESSENTIALS OF STRUCTURAL BLDG. LOAD TRANSFER & DESIGN			3313A THE LO-DOWN ON SPRAY FOAM INCLUDING THERMAL & IGNITION BARRIERS	3313P FIRE RESISTANCE CONSTRUCTION- TWO FAMILY DWELLING & TOWNHOUSES: IRC R302		4613AP RESIDENTIAL ELECTRICAL PROVISIONS – GFCI, AFCI AND OTHER TOPICS			5313A RESIDENTIAL STORM SHELTER (SAME AS 5319A)	
PERMIT TECH 14	1614AP 2012 IBC			2614AP BASIC CODE ENFORCEMENT			3314A LEGAL ASPECTS OF CODE ADMINISTRATION	3314P 2012 INTERNATIONAL ZONING CODE		4314A RESIDENTIAL FIELD INSPECTIONS		4314P FIELD TRIP TO LOCAL AREA RESIDENTIAL CONSTRUCTION SITE	5314A HOW TO STUDY/PREPARE/PASS YOUR PERMIT TECH CERT. EXAM	
PLAN REVIEW 15	1615AP BASIC PLAN REVIEW, DAY 1 OF 2 DAY REQUIRED COURSE			2615AP BASIC PLAN REVIEW, DAY 2 OF 2 DAY REQUIRED COURSE			3615AP ELECTRICAL PLAN REVIEW			4315A MECHANICAL PLAN REVIEW		4315P PLUMBING PLAN REVIEW	5315A ACCESS CONTROLS (SAME AS 5309A AND 5310A)	
PLANNING 16	1316A PLANNING AND ZONING FOR NEW HIRES		1316P ETHICS FOR BUILDING AND PLANNING PROFESSIONALS	2316A NEIGHBORHOOD PLANNING BEST PRACTICES		2316P HYDRAULIC FRACTURING IN THE BARNETT SHALE	3316A FORM BASED CODES AND NEW URBANISM	3316P USING FBC TO REGULATE SINGLE-FAMILY/HISTORIC PRESERVATION FOR ECONOMIC DEVELOPMENT		4316A TML UPDATES: LEGAL ISSUES FOR PLANNERS AND ENGINEERS		4316P PLANNING AND PUBLIC HEALTH	5316A GREEN BUILDING TOUR (SAME AS 5304A)	
PUBLIC WORKS/ ENGINEERING/ SURVEYING 17	1417A TEXAS COORDINATE SYSTEMS TBPLS		1417P SURVEY PROFESSIONAL TBPLS	2817AP FEMA / NFIP FLOODPLAIN MANAGEMENT WORKSHOP TBPLS			3317A NEBRASKA FURNITURE MART – A CASE STUDY	3317P OH! SO THAT'S IN THE TMUTCD? OVERLOOKED ASPECTS OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES		4317A REHABILITATION OF WATER AND SEWER PIPELINES USING TRENCHLESS TECHNOLOGIES		4417P DISASTER MGMT., COSTAL FLOODPLAIN AND ETHICS IN FLOODPLAIN MGMT.	5317A UNDERSTANDING ADA TITLE II TRANSITION PLANS (SAME AS 5303A)	
RESIDENTIAL CONSTRUCTION & INSPECTION 18	1318 A FOUNDATION INSPECTIONS FOR RESIDENTIAL BLDG. INSPECTORS		1318P BASIC INSPECTIONS FOR WOOD FRAMED PIER AND BEAM FLOORS	2618AP BASIC FRAMING INSPECTIONS FOR RESIDENTIAL BUILDING INSPECTORS			3618AP BASIC ELECTRICAL SYSTEMS FOR RESIDENTIAL ELECTRICAL INSPECTORS			4318A BASIC PLUMBING SYSTEMS FOR RESIDENTIAL PLUMBING INSP.		4318P FIELD INSPECTIONS (FIELD TRIP)	5318A RESIDENTIAL FINAL INSPECTIONS	
CBO EXAM TRAINING AND STORM SHELTERS 19	1619AP LEGAL & MANAGEMENT EXAM PREP FOR CBO DAY 1 OF 2 DAY REQUIRED COURSE			2619AP LEGAL & MANAGEMENT EXAM PREP FOR CBO DAY 2 OF 2 DAY REQUIRED COURSE			3619AP BUILDING CODES AND STANDARDS EXAM PREP DAY 1 OF 2 DAY REQUIRED COURSE			4619AP BUILDING CODES AND STANDARDS EXAM PREP DAY 2 OF 2 DAY REQUIRED COURSE			5319A RESIDENTIAL STORM SHELTER (SAME AS 5313A)	
MEDICAL GAS TRAINING 20				2820AP MEDICAL GAS ENDORSEMENT TRAINING DAY 1 OF REQUIRED 3 DAYS			3820AP MEDICAL GAS ENDORSEMENT TRAINING DAY 2 OF REQUIRED 3 DAYS			4820AP MEDICAL GAS ENDORSEMENT TRAINING DAY 3 OF REQUIRED 3 DAYS			5820AP MEDICAL GAS EXAM TO REGISTER GO TO: HTTP://WWW.TSBPE.STATE.TX.US/	

LUNCH FOR FULL DAY REGISTRANTS ONLY: **AP** COURSES AT 11:30AM TO 12:30PM OTHER COURSES AT 12:00 – 1:00PM THURSDAY LUNCH 11:45 TO 1:00PM ALL COURSES

23rd ANNUAL BUILDING PROFESSIONAL INSTITUTE

The University of Texas at Arlington - Nedderman Hall

May 18 – 22, 2015

The Building Officials Association of Texas (BOAT) and the Construction Research Center (CRC) at The University of Texas at Arlington have established the Building Professional Institute (BPI), an annual week-long program of quality education and training courses for the Building Professionals, including Builders, Building Designers, Building Officials, Contractors, Municipal Inspectors, Real Estate Inspectors, Architects, Engineers, Plumbers, Planners, Fire Protection Personnel, Electricians, Insurance Adjusters, Surveyors, Code Enforcement Personnel, Permit Technicians, and Environmental Health & Safety Personnel. The Twenty Third Annual offering of the BPI is scheduled for the week of May 18-22, 2015, on the University of Texas at Arlington campus in Arlington, Texas, in Nedderman Hall.

CURRICULUM: The educational subcommittees of BOAT and CRC have developed a program to provide 112 courses in 20 different topic area tracks. Twenty-seven (27) hours of individualized instruction are available for fulfilling educational/training needs and Continuing Education Unit credits. While the courses in each track are tailored to specific areas, a registrant may choose any course in any track that interests him/her.

REGISTRATION: An early bird registrant can attend 27 hours of presentation for as little as $545. for the entire week. Daily cost of attendance is $120. Late registration is slightly higher. **All land mail registrations postmarked after May 8th, must be conducted on-site beginning on May 18th on a first-come first-served basis with an additional $25.00 fee per person. On line registration is open through May 22th.** (See registration form). Registration fee includes course attendance, speaker handouts if available, and refreshment breaks. For **full day registration,** continental breakfast and lunch are provided. No lunch is scheduled for Friday. **Early registration is encouraged to receive the Early Bird Registration rates and to ensure your registration for courses that are limited in class size.**

REGISTRATION OPTIONS: **Option #1: Online Registration at www.BPI-TX.com . Option #2: Fill out the land mail Registration Form and Course Selection Sheet on page 33, 34, & 35,** and mail them along with your check for **receipt** at the Construction Research Center postmarked **no later than May 8, 2015**, to receive **early bird** rates. **May 9 through May 22, 2015** is **late registration**. For all registration options, registrants will receive a confirmation letter of their registration.

LOCATION: The Twenty Third Annual Building Professional Institute will be held in Nedderman Hall on The University of Texas at Arlington campus in Arlington, Texas – half way between Dallas and Fort Worth - just south of Interstate 30. Registrants will receive a campus map and parking information with their confirmation letter. Parking is available in University designated parking lots. Vehicles parked in other areas and/or metered parking may be towed at owner's expense. The University of Texas at Arlington is a smoke free environment. No smoking is allowed on any UTA property at any time.

ENGINEERS: BPI classes will satisfy on a one-to-one basis Professional Development Hours for Engineers in Texas. 15 PDH's are required yearly to maintain a professional engineering license in Texas – one hour must be on engineering ethics. See Tuesday afternoon ethics course 2307P.

SANITARIANS: BPI is an approved provider for your course requirements. See Environmental Health Track. **You** must provide proof of your attendance to the Texas Department of Health by providing them a copy of your Certificate of Completion.

ARCHITECTS: BPI is an approved provider with AIA. Participants will receive 1 LU (learning unit) per course contact hour (Example: 3 hour course = 3 LU's). TBAE requires all architects to complete at least **12** Continuing Education Program Hours (CEPH) per renewal period. All **12** CEPH must include the study of subjects related to your profession and be pertinent to the health, safety, and welfare of the public. At least **1** of the **12** hours must be related to sustainable or energy-efficient design. At least **1** of the **12** hours must be related to barrier-free design. At least **8** of the **12** hours must be structured activities, (classroom/classroom equivalent). A Maximum of **4** hours may be self-directed. Courses in the Architecture/Green Bldg. track have been submitted for approval by AIA for continuing education credit.

LEED ACCREDITED PROFESSIONALS (LEED APs) and LEED GREEN ASSOCIATES: Under the GBCI CMP, all LEED Professional Credentials awarded by GBCI must be maintained on a 2-year cycle through the accumulation of continuing education (CE) hours. All courses in the Architecture/Green Building track have been submitted for GBCI CE credit.

TEXAS ACCESSIBIILTY ACADEMY (3 DAYS): 2802AP, 3802AP and 4802AP (8:00AM-12:00Noon) and (1:00PM – 5:00PM) Attendance is open to all individuals seeking information on the 2012 Texas Accessibility Standards. All three days are mandatory for an individual to receive credit toward the RAS certification and application process. Academy credit will be issued by TDLR. Current RAS's seeking 8 hours for continuing education credit may take courses **1403A and 1403P** (4 hrs each) and bring their license and a photo ID. This will ensure timely reporting of CEU hours.

ELECTRICIANS: Courses **1606AP, 2606AP, 3606AP, and 4606AP** in the electrical track have been approved by TDLR and are designed to satisfy the continuing education requirements for electricians. **Bring your TDLR electrical license and photo ID**. This will ensure timely reporting of continuing education credits.

CODE ENFORCEMENT OFFICERS: Courses for Code Enforcement track will be submitted to the DSHS for approval for Code Enforcement Officers. Class **#'s 1305A** and **3305A** includes the one hour of legal updates.

PROFESSIONAL PLANNERS: AICP certification maintenance credits have been requested. Morning and afternoon sessions have been submitted for 3CM credit hours and a full day session for 6 CM credit hours.

SURVEYORS: Surveyors must obtain annually 12 hours of board approved continuing education courses which includes 3 hours of required ethics. Public Works Track courses 1417A, 1417P, and 2817AP have been approved by TBPLS for surveyors.

Links for approved AIA, TDLR, DSHS, and TBPLS courses are found on the website in the left margin of the registration page.

CEU's: An email with a link to your certificate of completion indicating Continuing Education Units (CEU's), Continuing Education Hours (CEH's), or Learning Units (LU's) will be emailed to each registrant for the courses attended **provided the attendee has signed and initialed the class attendance roster.** The continuing education credits will be kept on file at UT Arlington.

EXHIBITORS' SHOWCASE: An Exhibitors' Showcase of products, materials, and systems is open to attendees for approximately 9 hours from Monday through Wednesday, May 18th – 20th. The exhibitors currently registered are listed on the Exhibitors' Showcase participant's page (p.**36**) in this brochure. Attendees visiting all exhibitor booths will qualify to participate in several special exhibitor showcase drawings for prizes.

HOTELS IN ARLINGTON: Attendees must make their own arrangements for lodging. Suggested available hotels are:

Arlington Hilton 817-640-3322 (**$100**)
2401 E. Lamar Blvd., Arlington, TX
http://www.hilton.com/en/hi/groups/personalized/A/ARLAHHF-BPP-20150517/index.jhtml?WT.mc_id=POG

Hawthorn Suites by Wyndham 817-640-1188 (**$89**)
2401 Brookhollow Plaza Drive Arlington, TX
WWW.HAWTHORN.COM/HOTEL/30803

Holiday Inn Arlington (877) 834-3613 (**$89**)
1311 Wet N Wild Way, Arlington, TX
HolidayInnArlington-NE Rangers Ballpark

Hyatt Place (972) 988-6800 (**$85**)
1542 North Highway 360, Grand Prairie, TX
www.hyattplace.com (Code: G-UTA1)

Re-Certification for Plumbing Inspectors / Residential Fire Sprinkler Exam

Moderators Charles Clawson - Building Professional Institute - Arlington, TX

3601AP **Re-Certification for Plumbing Inspectors/Continuing Education for License Renewal**

Mandated continuing education course for licensed Plumbing Inspectors and Code Enforcement Officers whose licenses expire on January 31, 2016. Overview of the Texas Plumbing Licensing Law and Board Rules. Provides participants with the continuing education units required for plumbing license renewal. Approved by the Texas State Board of Plumbing Examiners for the 2015 and part of 2016 continuing
education year (Includes minimum of 1 hour of Legal Updates).

Instructor: Robert Doran - Plumbers Continuing Education

4401A **Residential Fire Sprinkler Exam**

THIS HALF DAY EXAM IS FOR INSPECTORS ONLY. All attendees must apply to the State Plumbing Board for a complete application and fees on or before May 11, 2015. The web site for the Texas State Plumbing Board is: http://www.tsbpe.state.tx.us/. This class starts at 8:00AM and ends at 12:00 Noon.

Instructor: Texas State Board -

Texas Accessibility 3 Day Academy (TAA)

Moderators Sana Touma - City of Mansfield - Arlington, TX
George Patterson - GAP Consulting, Inc. - Fort Worth, TX

2802AP **Texas Accessibility Academy Day 1 of a 3 Day Required Course for Registered Accessibility Specialist (RAS) C**

COURSES IN THIS TRACK SHOULD BE TAKEN BY THOSE WANTING TO BECOME A CERTIFIED REGISTERED ACCESSIBILITY SPECIALIST. Comprehensive study of the Texas Architectural Barriers Act (TABA), Architectural Barriers Administrative Rules, and the 2012 Texas Accessibility Standards (2012 TAS). Attendees will also receive general information about the TABA, Administrative Rules and 2012 TAS with more emphasis on the TABA and Rules. To secure RAS continuing education hours you must attend all three days of the academy. Course starts at 8:00AM and ends at 5:00PM.

Instructor: Robert Posey - TDLR

Instructor: Norman Kieke - TDLR

3802AP **Texas Accessibility Academy Day 2 of a 3 Day Required Course for Registered Accessibility Specialist (RAS) C**

COURSES IN THIS TRACK SHOULD BE TAKEN BY THOSE WANTING TO BECOME A CERTIFIED REGISTERED ACCESSIBILITY SPECIALIST. Continuation of the comprehensive study of the 2012 Texas Accessibility Standards (2012 TAS). To secure RAS continuing education hours you must attend all three days of the academy. Course starts at 8:00AM and ends at 5:00PM.

Instructor: Robert Posey - TDLR

Instructor: Norman Kieke - TDLR

4802AP **Texas Accessibility Academy Day 3 of a 3 Day Required Course for Registered Accessibility Specialist (RAS) C**

COURSES IN THIS TRACK SHOULD BE TAKEN BY THOSE WANTING TO BECOME A CERTIFIED REGISTERED ACCESSIBILITY SPECIALIST. Conclusion of the comprehensive study of the 2012 Texas Accessibility Standards (2012 TAS). To secure RAS continuing education hours you must attend all three days of the academy. Course starts at 8:00AM and ends at 5:00PM.

Instructor: Robert Posey - TDLR

Instructor: Norman Kieke - TDLR

Texas Accessibility

Moderators Sana Touma - City of Mansfield - Arlington, TX
George Patterson - GAP Consulting, Inc. - Fort Worth, TX

1403A **Understanding Texas Accessibility Requirements 2012**

THESE COURSES SHOULD BE TAKEN BY CURRENT CERTIFIED REGISTERED ACCESSIBILITY SPECIALIST LOOKING TO FULFILL ANNUAL CONTINUING EDUCATION REQUIREMENTS. Overview of TDLR, the state statute and rules, comparison to the federal ADA, and the standards applicable to the design, construction, and alteration of buildings/facilities Applying Texas Accessibility Requirements. Meets the one hour CEU requirements for AIA and 4 hour for RAS. Note: This is 4 hour course starting at 8:00AM and ending at 12:00 Noon.

Instructor: Robert Posey - TDLR

Instructor: Norman Kieke - TDLR

1403P **Applying Texas Accessibility Requirements 2012**

THESE COURSES SHOULD BE TAKEN BY CURRENT CERTIFIED REGISTERED ACCESSIBILITY SPECIALIST LOOKING TO FULFILL ANNUAL CONTINUING EDUCATION REQUIREMENTS. Overview of TDLR, application of the accessibility requirements in the review process, and methods of compliance during the design, construction, and alteration of buildings/facilities. Meets the one hour CEU requirements for AIA and 4 hour for RAS. Note: This is 4 hour course starting at 1:00 PM and ending at 5:00PM.

Instructor: Robert Posey - TDLR

Instructor: Norman Kieke - TDLR

5303A **Understanding ADA Title II Transition Plans**

Overview of general steps to compliance with Transition Plan as required by Americans with Disabilities Act of 1990 Title II. Course will cover designating an ADA coordinator, providing notice to the public about ADA requirements, establishing a grievance procedure, developing internal design standards, specifications, and details. Assigning personnel for the development of a transition plan and completing it, approving a schedule and budget for the transition plan, and monitoring the progress on the implementation of the transition plan. (Same as 5317A)

Instructor: Kristi Avalos - Accessology Too, LLC

Instructor: Brian Shamburger - Kimley-Horn and Associates, Inc.

Architecture / Green Building

Moderators Cathy Boldt - Conception to Reality - Lewisville, TX
Zaida Basora - City of Dallas - Dallas, TX

1304A **Significant Changes in LEED and IGCC**
Discuss changes from LEED v3 to LEED v4 and what the first year of the new rating system has demonstrated; overview of IGCC and significant changes in 2015 IGCC
Instructor: Zaida Basora - City of Dallas
Instructor: Chris Mundell - Gensler

1304P **Construction Waste Management and Recycling Practices**
Presentation on the tool for construction inventory and recycle/reuse of construction materials/debris
Instructor: Karen Peycke - EPA

2304A **Green Specifications**
Gain an understanding of the role of specifications in contractually obligating the design and construction team members for collecting sustainable design documentation. Learn how to identify the responsibilities of the contractor and its subcontractors and material suppliers in collecting documentation. Learn specific applications of incorporating sustainable design provisions in the General Requirements (Division 1) Sections, including: Incorporating LEED credit checklists into the specifications, Indoor air quality during construction, Erosion and sediment control, Waste management, and Commissioning.
Instructor: Douglas Hartman - Construction Science Department, Texas A&M

2304P **Healthy Materials**
Impact of Environmental Product Declaration (EPD), its impact on development of materials and standards for building construction, verification of standards. Presentation followed by panel discussion.
Instructor: Mary Dickinson - Perkins+Will

3304A **Accessibility Course for Required TBAE Education**
Discusses application of 2012 Texas Accessibility Standards and reviews an example project to discuss methods of compliance during design, construction and alteration of a building/facility. This session satisfies the AIA requirement for one (1) hour barrier free accessibility. This is not a RAS approved course.
Instructor: David Gonzales - Texas Dept. of Licensing & Regulation
Instructor: George Ferrie - Texas Dept. of Licensing & Regulation

3304P **LEED Case Studies**
City Performance Hall; Urban Development Projects
Instructor: Kirk Johnson - Corgan Associates

4304A **Water Efficiency**
Urban water management: stormwater management, potable water treatment; building water efficiency: fixtures, laundry, cooling and heating, and wastewater
Instructor: Cathy Boldt - Conception to Reality
Instructor: Larry Boldt - Garratt-Callahan
Instructor: Fouad Jaber - Texas A & M University

4304P **Low-Impact Landscape Design**
Low-Impact and Water Efficient Landscaping; case study of North Texas Land/Water Sustainability Forums Low-Impact Design Competition by Halff & Associates
Instructor: Carrie Dubberley - Dubberley Landscape
Instructor: Francois de Kock - Halff & Associates

5304A **Green Building Tour**
Texas Christian University has a large portfolio of LEED-certified buildings, both LEED BD+C and LEED O+M. After touring the newly renovated Amon Carter Stadium, the just-completed Worth Hills Dining Facility, Rees Jones Hall and the main chiller plant, the four TCU tour guides will discuss the process and specifics of TCU's green facility plan. Attendees to meet at 8:30am in the Champions Club in Amon Carter Stadium (2B on the downloaded map or visit http://www.maps.tcu.edu/pdf/Athletics-WH_Campus_Map_Color.pdf). Park in Lot 1 and enter the Champions Club through the south elevators. Limited to 50 people. (Same as 5316A)
Instructor: Shelton Riley - Texas Christian University
Instructor: Harold Leeman - Texas Christian University
Instructor: Todd Waldvogel - Texas Christian University
Instructor: David Muzzy - Texas Christian University

Code Enforcement

Moderators James Patterson - City of Euless - Euless, TX
Jeffrey Posival - City of Irving - Irving, TX

1305A **Legal Aspects**

Course will describe specific trial procedures, evidence, and testimony along with legal updates to meet the one hour required CEU's for Code Enforcement Officials

Instructor: Stacie White - Taylor, Olson

1305P **Arboviral Diseases, Insects and Other Insect Related Problems**

Course will cover the dynamics of arbovirus diseases including West Nile virus and Chikungunya, mosquito biology, mosquito control tactics, and how to best answer the public's questions and concerns of such in the field. It will also cover bed bug biology, how to properly search for bed bugs and how to not bring them home with you.

Instructor: Nina Dacko - Tarrant County Public Health

2605AP **ICC Property Maintenance Code**

Course will explore the code requirements needed by the Code Enforcement Staff for correct use of the code in inspections and a clear understanding and correct use of the requirements identified by these basic code provisions, tables and categorizations. It will provide exercises allowing participants to apply the code in clear-cut situations and helps to build their understanding of the intent of the code when asked to make code compliance decisions.

Instructor: Tim Ryan - City of Overland Park

3305A **Legal Aspects**

Provides 1 hour of legal updates on code enforcement and covers topics such as methods of code enforcement, legal tools available for code enforcement, pitfalls for code and building officials, and constitutional constraints on code enforcement activities.

Instructor: Steven Meyer, J.D. - Arlington City Attorney's Office

3305P **Establishing and or Expanding a Multifamily Inspection Program**

Course will lay out how to reasonably justify a legal and detailed multi- family inspection program to the City Council and community at large. Students will also see how to rank properties and gain compliance through the inspection process. Students will come away with a power point program suitable to use for presentations.

Instructor: Michael Edwards - City of Irving

Instructor: Jeffrey Posival - City of Irving

Instructor: Mike Bass - City of Arlington

4605AP **IRC overview for Code Enforcement Personnel**

Basic course that will explore the aspects of the one and two family dwelling requirements for Structural, Mechanical, Electrical and Plumbing, fire blocking requirements needed for a proper Code inspection program. It will give the reasons why the requirements are in the code and how to resolve issues to meet the intent of the code requirements. This is a course that is needed for the new inspectors and refresher course for the seasoned inspectors.

Instructor: Russell Thornburg - Consultant

5305A **Effectively Impacting Your Neighborhood**

Course will explore how to create and use a "Community Powered Revitalization" program that has effectively changed lives and impacted neighborhoods one house at a time. This course will show case studies in the North Texas area.

Instructor: James Patterson - City of Euless

Instructor: Brian Cramer - 6-Stones Mission Newtork

Electrical

Moderators Gary Jones - Consultant - Ft. Worth, TX
James Stallcup, Jr. - Grayboy - North Richland Hills, TX

1606AP **2014 National Electrical Code Illustrated Changes - TDLR #11197**

Explains the major changes in the 2014 National Electrical Code. Included will be the reasons for these changes and a discussion of the substations. Review of new articles and sections added to this edition of the NEC and what type of impact they will have on inspectors, designers, and installers. NFPA 70E © plus TDLR Law and Rule for State of Texas electrical license renewal. This is an advanced electrical course and not recommended for beginners.

Instructor: James Stallcup, Sr. - Grayboy

2606AP **Commercial Electrical Inspections using the 2014 National Electrical Code - TDLR #13194**

Shows and discusses underground, wall and ceiling rough-in, grounding, bonding, services, and final inspections using the 2014 National Electrical Code. NFPA 70E © plus TDLR Law and Rule for State of Texas electrical license renewal.

Instructor: Bill McGovern - Electrical Solutions

3606AP **Electrical Calculations for Conductor, Ampacities, and Overcurrent Protection - TDLR #13193**

Course is based on the 2014 National Electrical Code (NEC) on calculations for sizing conductors, determining conductor ampacities, and for sizing overcurrent protection devices. This course will include calculating load values for branch circuits and feeders as well as service loads in designing modern electrical systems. Calculations are condensed in an easy to follow format. This is an advanced electrical course and not recommended for beginners. NFPA 70E plus TDLR Law and Rule for State of Texas electrical license renewal.

Instructor: James Stallcup, Jr. - Grayboy

4606AP **Grounding and Bonding 2014 National Electrical Code - TDLR Course #12664**

Course is based on the 2014 NEC and covers the proper techniques for circuit and system grounding, equipment grounding, and bonding supply and load side. NFPA 70E plus TDLR Law and Rule for State of Texas electrical license renewal. This is an intermediate electrical course.

Instructor: Mark Ode - Underwriters Laboratories, Inc.

5306A **Hazardous Locations**

Course is based on the 2014 NEC for determining classification of location for Class and Division for electrical equipment.

Instructor: Mark Ode - Underwriters Laboratories, Inc.

Engineering

Moderators James Houston - UT Arlington - Mesquite, TX
Jerald Kunkel - Structural Engineering Institute - Arlington, TX
John Matthys - UT Arlington - Arlington, TX

1307A **IBC Chapter 17 Special Inspection: Roles and Responsibilities of Parties**

Contains an overview of the special inspection categories listed in Chapter 17 of the International Building Code (IBC). Topics include building department, special inspector, and other stakeholders' duties. Jurisdictional inspection is compared to special inspection. The purpose of a special inspection agency, accreditation and quality control manuals are described. Lastly, tasks and minimum required experience and knowledge of the construction process are defined for a special inspector. (Same as 1310A)

Instructor: Lawrence Crow - City of Irving

Instructor: Sandra Hyde, P.E. - International Code Council

1307P **Optimization of Concrete Pavement Design/Long Term Performance/Low Costs**

Concrete has traditionally been perceived as the higher priced but longer lasting material for streets and parking lots. However, due to changing economic conditions, concrete can now be cost competitive in initial cost with other paving materials when designed and constructed using best practices. Provides detailed instruction on how to design, build, and maintain concrete streets and parking lots. Provides details of pavement design including traffic loads, pavement stresses, subgrade properties as well as material mix design requirements. Provides guidance on how to address common subgrade issues. Establishes a framework for optimizing concrete pavement design. Covers rehabilitation and maintenance options for existing pavements.In addition to details of conventional concrete streets and parking lots, course provides introductions to innovative products such as pervious concrete, concrete overlays and roller compacted concrete.

Instructor: James Mack, P.E. - Cemex USA

Instructor: Blake White, P.E. - Cemex USA

2307A **Overview of Concrete Technology and Update on Codes and Standards**

Covers an overview of concrete technology and recent revisions of ACI 318 and ACI 301 sections that are related to concrete materials and specifications. Some recent revisions to ASTM C 94 Standard Specification for Ready Mixed Concrete will also be discussed. Covers efforts to evolve to performance based specifications and discuss problems sometime resulting from prescriptive requirements commonly seen in project specifications. Innovative developments in concrete technology such as self consolidating concrete, very high pozzolan concrete mixes, measures for automated slump and water addition control, and other topics of course attendee interest will be covered as time permits.

Instructor: Colin Lobo, P.E. - National Ready Mixed Concrete Association (NRMCA)

2307P **Engineering Ethics 2015 and Construction Litigation**

ENGINEERING ETHICS: Key elements of ethic related issues from both the engineering and legal perspective are discussed. (1 hour) C. W. Clark, P. E.
CONSTRUCTION LITIGATION: Covers proper document provisions to avoid litigation and what is new in construction law. (2 hours) Richard Shellhammer

Instructor: C. W. Clark, P. E. - Texas Board of Professional Engineers

Instructor: Richard Shellhammer - Goins, Underkofler, Crawford & Langdon Attorneys

3307A **Influence of Structural Failures on Today's Building Codes**

Discusses notable failures and other incidences of poor performance that have helped to shape modern building codes and the standard of care for the engineering/construction industry. Examples range from well-known, high profile collapses to lesser publicized but equally influential structural and serviceability problems. A wide range of materials, systems, and components will be reviewed including concrete, steel, and anchorage to concrete.

Instructor: Michael Lee, P.E. - Wiss, Janney, Elstner Assoc, Inc.

3307P **Considerations for the Design and Installation of Helical Pile Foundations**

Covers history, terminology and typical product descriptions. Learn the benefits of helical piles and tiebacks, and appropriate applications for round and square shaft products. Three common methods for determining capacity will be discussed. Design examples will be provided. Learn of common ways to monitor torque in the field and how to correlate torque to pile capacity. Further verification of capacity could include full scale load testing in accordance with ASTM D1143 and D3689.

Instructor: Jeff Kortan, P.E. - Foundation Supportworks, Inc.

4307A **National Design Specifications and Code Essentials for Wood Construction**

NATIONAL DESIGN SPECIFICATIONS: AWC's National Design Specification (NDS) for Wood Construction and the Special Design Provisions for Wind and Seismic 2015 are dual format Allowable Stress Design (ASD) and Load Resistance Factor Design (LRFD) documents referenced in U.S. building codes and used to design wood structures worldwide. Participants will learn about changes in the 2015 NDS and SDPWS relative to previous editions and gain an overview of the standard.
CODE ESSENTIALS FOR WOOD CONSTRUCTION: Covers allowable wood use in buildings; Overview of the design flexibilities permitted in commercial construction. Covers how to: 1. Identify building size and use parameters for wood as structural elements. 2. Establish fire resistance of wood assemblies and elements. 3. Apply special provisions for design of wood structures that involve compartmentalization and sprinkler systems. 4. Apply code provisions for the non-structural use of wood.

Instructor: Michelle Kam-Biron, P.E. - American Wood Council

4307P **Wind/Seismic Resistant Design Using the 2015 IBC**

Course will cover the concepts required for designing structures for wind and seismic loads. Course will provide an overview of the IBC 2015 requirements and options for developing wind and seismic loads on structures. Focus will be on the use of ASCE 7-10 for development of wind and seismic loads. Basic methods and details for resisting wind and seismic forces in wood structures will also be covered. The concept of the continuous load path will be highlighted.

Instructor: Randall Shackelford, P.E. - Simpson Strong Tie

5307A **Masonry Walls and Energy Performance**

A detailed look at energy performance of wall systems, their effectiveness as barriers to heat flow and energy loss , and how they affect the total energy performance of buildings.

Instructor: John Swink, P.E. - Acme Brick

Instructor: Les Seaton - Acme Brick

Environmental Health

Moderators Janet Tucker - City of Richardson - Richardson, TX
Lisa Pomroy - Bureau Veritas - Plano, TX

1608AP **Hazard Analysis Critical Control Points**

HACCP- What it is, how to develop a HACCP plan and how it relates to retail food establishments.

Instructor: Steve Berry - Food Safety Consulting & Training

2308A **Flying, Creepy Crawly Things and How to Control Them Inside a Food Facility.**

How to recognize and minimize the population and effects of those pesky pests.

Instructor: Robert Puckett - Texas A&M Health Science Center

2308P **What or Who Dunnit- Foodborne Illness Investigations**

What to consider and how to investigate foodborne illness investigations.

Instructor: Scott Krause - Food and Drug Administration

3608AP **Public Health Protection from Cross-Connections**

What are cross connections, how they occur and how it relates to our environmental health field. A demonstration trailer shall be available.

Instructor: Byron Hardin - Hardin and Associates Consulting, LLC

4608AP **Rodent Management**

Information on rodents and how they effect our food industry. Includes an external Building Perimeter Inspection.

Instructor: Robert Corrigan - Purdue University

5308A **Pools- What is New and What is Old but Still Good.**

New and proposed public pool regulations. On site examples of safety equipment, drain covers, SVRS, etc.

Instructor: Rob Morgan - Sunbelt Pools

Fire Prevention

Moderators David Kerr - City of Plano - Plano, TX
Bob Morgan - City of Fort Worth - Fort Worth, TX

1609AP **Major Changes to the 2015 IFC with 2015 NCTCOG Recommended Amendments**
Course will review the major changes to the 2015 International Fire Code (IFC), along with the North Central Texas Council of Governments (NCTCOG) recommended amendments at that time. This course is not being presented by an ICC instructor and is not an ICC course. Please bring your 2015 IFC to follow along with the course.
Instructor: Bob Morgan - City of Fort Worth

2309A **Proving your Program's Worth**
Individuals attending this program will learn how to develop and apply meaningful performance and process control measures that demonstrate the effectiveness and value of inspection, plan review and education programs. Tools and examples provided in the program will allow participants to immediately begin evaluating and implementing strategies to show the impact of prevention programs to communities.
Instructor: David Lynam - Kitsap County Fire & Rescue

2309P **Unwanted/False Alarm Reduction**
Coursre will focus on the tools and techniques currently being developed by the NFPA Research Foundation and USFA to assist with response model discussions as it relates to unwanted alarms. The tools and techniques provided in this session will assist with developing possible code modifications and emergency response models.
Instructor: David Kerr - City of Plano

3609AP **Youth Firesetting Prevention & Intervention Level I & II Overview**
Why do children play with fire? Why do they commit arson? Learn the extent of fire play and arson instigated by children, and how to identify, interview and provide meaningful education interventions to reduce their, and the community's, fire risk.
Instructor: Jamie Perkins - Texas State Fire Marshal's Office

4609AP **Changes to the 2013 edition of NFPA 13**
NFSA is providing this class regarding updates to the 2013 edition of NFPA 13, which is referenced in the 2015 edition of the I-codes.
Instructor: James Lake - National Fire Sprinkler Association

5309A **Access Control**
Code requirements regarding access control associated with the means of egress. Four of the most prevalent access control devices found in a typical building are fire doors, delayed egress, electromagnetic locks, and stairwell re-entry. Incorrectly applied access control has a potential to block egress. All components reviewed in this half day course. (Same as 5310A and 5315A)
Instructor: Tim Burgett - Fire and Building Associates, Inc.

International Building Code (IBC)

Moderators Selso Mata - City of Plano - Plano, TX
Bobby Teague - City of Wichita Falls - Wichita Falls, TX

1310A **IBC Chapter 17 Special Inspection: Roles and Responsibilities of Parties**

Contains an overview of the special inspection categories listed in Chapter 17 of the International Building Code (IBC). Topics include building department, special inspector, and other stakeholders' duties. Jurisdictional inspection is compared to special inspection. The purpose of a special inspection agency, accreditation and quality control manuals are described. Lastly, tasks and minimum required experience and knowledge of the construction process are defined for a special inspector. (Same as 1307A)

Instructor: Lawrence Crow - City of Irving

Instructor: Sandra Hyde, P.E. - International Code Council

1310P **Overview of the 2015 IBC - Analysis of Code Changes**

Participants will be able to identify and become familiar with the 2015 IBC. Review includes key changes in organization and code requirements as they apply to design and plan review.

Instructor: Kenneth Larsen - National Code Consultants

2310A **Overview of Podium Construction, Heights and Areas for Chapter 5 of the 2015 IBC**

Provisions of maximum allowed building sizes, allowable height and areas. How building occupancy, type of construction sprinkler protection and frontage spaces affect building size and use. Review of special provisions for mixed-use, podium construction and unlimited area for buildings.

Instructor: Kenneth Larsen - National Code Consultants

2310P **2015 IBC Fire Resistance Rated Wall Construction**

Participants gain an enhanced understanding Ch. 7 - Fire wall, Fire barrier, and Fire and Smoke protection features. Including five types of walls and their differences, construction, identification, and protection of penetrations and joint systems. Ducts, door and window openings and fire resistance calculations.

Instructor: Kenneth Larsen - National Code Consultants

3610AP **Special Topics Overview of Chapter 6, 8, and 12 of the 2015 IBC**

This session will review topics essential types of construction and fire resistant wood construction. Also included is a review of code required interior wall and ceiling finish requirements and interior environments provisions.

Instructor: Kenneth Larsen - National Code Consultants

4310A **Means of Egress – Chapter 10 of the 2015 IBC**

Participants will review means of egress components including occupant load calculations, egress capacity, exit passageways, horizontal exits, stairways and other elements of building exit requirements.

Instructor: Kenneth Larsen - National Code Consultants

4310P **Special Topics Overview of Chapter 24, 29, and 30 of the 2015 IBC**

Participants will review requirements for glass and safety glazing. Review of plumbing fixture calculations and requirements and overview of elevator and hoistway enclosure protection.

Instructor: Kenneth Larsen - National Code Consultants

5310A **Access Control**

Code requirements regarding access control associated with the means of egress. Four of the most prevalent access control devices found in a typical building are fire doors, delayed egress, electromagnetic locks, and stairwell re-entry. Incorrectly applied access control has a potential to block egress. All componets reviewed in this half day course. (Same as 5309A and 5315A)

Instructor: Tim Burgett - Fire and Building Associates, Inc.

International Energy Code (IEC)

Moderators Eddie Wilson - City of Colleyville - Colleyville, TX
Michael Arellano - City of Coppell - Coppell, TX

1611AP **2015 IECC Residential Provisions**

Presentation provides an overview of the residential energy code design and inspection using the 2015 IECC and 2015 IRC. Includes discussion of significant changes involving residential provisions from the 2012 to the 2015 IECC. Course participants will learn how to locate specific code provisions while reviewing tables, maps, and related footnotes. Code books, highlighters, and tabs recommended.

Instructor: Shirley Ellis - Energy Systems Lab, Texas AMU

2611AP **2015 IECC Commercial Provisions**

Presentation provides an overview of the commercial energy code design and inspection using the 2015 IECC. Includes discussion of significant changes involving commercial provisions from the 2012 to the 2015 IECC. Course participants will learn how to locate specific code provisions while reviewing tables, maps, and related footnotes. Code books, highlighters, and tabs recommended.

Instructor: Shirley Ellis - Energy Systems Lab, Texas AMU

3311A **Common Sense Approach to Energy Code Compliance**

Course participants will learn practical Energy Code applications in the design, construction, and inspection of buildings. Instruction covers unique circumstances for the professional, involving structural conditions, common misapplications of the code requirements, and construction tips.

Instructor: Shirley Ellis - Energy Systems Lab, Texas AMU

3311P **Applying the Energy Rating Index Code Compliance Option**

The 2015 IECC has an Energy Rating Index compliance option. RESNET has developed a set to tools aimed at helping raters, builders and code officials to consider in applying the Energy Rating Index compliance option. These tools include: 1) Overview of the Energy Rating Index compliance option 2) HERS Index Scores with 2012 version of the IECC 3) Implementation of the Energy Rating Index at the state and local level 4) Cost effectiveness of the 2015 IECC Energy Rating Index option 5) Case studies of code jurisdictions using a HERS Score Index Score option. This course will introduce these tools, explore the adoption of the option at the state and local level
and present examples where the HERS Index Score compliance option has proven to be successful.

Instructor: Eric Makela - Britt/Makela Group, Inc.

4611AP **Renewable Energy Sources/Solar and Wind**

Attendees will learn the requirements necessary for performing plan review and inspections of both rooftop and ground-based solar energy installations. Topics include required professional design documents, plan review logistics for formulating check lists, a brief overview of NEC Article 690 - Solar Photovoltaic (PV) Systems, and inspection requirements for compliance. PV equipment will be on display as part of course instruction.

Instructor: K. Cotney - Axim Solar, Inc.

COURSE DESCRIPTIONS AND INSTRUCTORS

IPC, IMC & IFGC

Moderators James Shelton - City of Southlake - Southlake, TX
Gilbert Urvina - City of Frisco - Frisco, TX

1312A **Water Conservation**

Covers the need for water conservation as one of the water management strategies needed to meet our long term water demands. Included will be discussion on the importance of local actions, what is planned to meet demands, state requirements of local water suppliers, and potential alternative resources such as reuse, greywater and rainwater.

Instructor: Bill Hoffman - Water Management, Inc.

1312P **Rainwater Harvesting**

An overview of the rainwater harvesting requirements for inspections of indoor plumbing for both potable and non-potable applications. This will include the capture, design, installation and treatment of rainwater harvesting.

Instructor: Robert Doran - Plumbers Continuing Education

2612AP **Multi Purpose Residential Fire Sprinkler Systems**

Provides an overview of basic components needed in plan review and inspections of 13-D multipurpose sprinkler systems for One and Two Family Dwellings. Students will be provided a basic plan and instruction checklist for the multipurpose sprinkler systems. Laws and regulatory rules and plumbing license endorsements will also be discussed.

Instructor: Robert Doran - Plumbers Continuing Education

3612AP **Commercial Mechanical Inspections and 2015 Updates**

Covers both the 2015 Mechanical and 2015 Energy Conservation codes regarding sizing of units and RTU support, ductwork, fire/smoke dampers, location of controls, mechanical symbols used on plans, condensate drain, makeup air and exhaust fans.

Instructor: Sam Dardano - City of Boulder

4312A **Grease Traps / Interceptors 2015 Updates**

Discussion of grease interceptors design, sizing and installation. Overview of methods for grease removal processes and the effects of fats, oils and grease on the environment. Additional discussion includes basics of grease, what it is, where it comes from, problems it causes and best management practices

Instructor: Max Weiss - Plumbing and Drainage Institute

4312P **Inspecting and Installing Condensing Tankless Water Heaters**

Course includes instruction on proper installation procedures for condensing tankless water heater systems. The installation information will provide inspectors with a more complete knowledge of these types of water heater systems allowing for a better perspective from which to perform inspections.

Instructor: Ty Tipton - Tipton Company

International Residential Code (IRC)

Moderators David Pendley - City of North Richland Hills - North Richland Hills, TX
Don Sheffield - City of Euless - Euless, TX

1613AP **Overview of the 2015 IRC - Analysis of Code Changes**
Course is for participants to be able to identify and become familiar with the 2015 version of the IRC. Required materials: 2015 IRC.
Instructor: Russell Thornburg - Consultant

2613AP **Roof to Soil: The Essentials of Structural Building Load Transfer & Design**
Course offers an overview in identifying and calculating live and dead loads from roof to displacement. Students will have the opportunity to evaluate each segment of load transfer of truss/rafter, beams/headers, point loads, walls, floors, and foundation systems from plan review to construction. A review of fasteners will also be included. Required materials: 2012 IRC.
Instructor: Russell Thornburg - Consultant

3313A **The Lo-Down on Spray Foam-Including Thermal and Ignition Barriers**
Course is designed to review the old & new standards that are found in the 2012 IRC, specifically addressing when and which barriers are required for open basements, crawl spaces, and attics. Some evaluation reports will be reviewed for clarification, as well as third-party testing used to determine code compliance. Required materials: 2012 IRC.
Instructor: Russell Thornburg - Consultant

3313P **Fire Resistance Construction-Two-Family Dwelling & Townhouses: IRC R302**
An in-depth look at required construction methods for both Two-Family Dwelling and Townhouse fire separation walls, floor-ceiling assemblies. This course will be of interest to contractors, designers, plans examiners, field inspectors and architects. Required materials: 2012 IRC.
Instructor: Russell Thornburg - Consultant

4613AP **Residential Electrical Provisions - GFCI, AFCI, and Other Topics**
An in-depth study of the residential workings and requirements of GFCI, AFCI, grounding and bonding according to the 2012 International Residential Code. Other associated electrical topics will also be covered in this course. Required materials: 2012 IRC, 2014 NEC.
Instructor: Keith Lofland - Int'l Assoc. of Electrical Inspectors

5313A **Residential Storm Shelter**
Course will discuss varieties of storm shelters for residential construction. It will include the FEMA recommended storm room and a variety of other types of structures and systems available on the market and their installation and engineering considerations. (Same as 5319A)
Instructor: Tony Childress - Childress Engineering Services

Permit Tech

Moderators Samantha Morrow - City of Garland - Garland, TX
Carey Frazier - City of Frisco - Frisco, TX

1614AP **2012 IBC for the Permit Tech**
Course will lead the student through the sections of the 2012 IBC that are required text for the Permit Technicians Certification Exam.
Instructor: Tim Ryan - City of Overland Park

2614AP **Basic Code Enforcement for the Permit Tech**
Course will cover the Basic Code Enforcement text that is one of the required texts for the Permit Technicians Certification Exam.
Instructor: Brett King - City of Carrollton

3314A **Legal Aspects of Code Administration for the Permit Tech**
Course will cover the Legal Aspects of Code Administration text that is one of the required texts for the Permit Technicians Certification Exam as well as local examples of how Building Inspection Departments apply this knowledge.
Instructor: Samantha Morrow - City of Garland
Instructor: Brandi Youngkin - City of Plano

3314P **2012 International Zoning Code for Permit Tech**
Course will cover the 2012 International Zoning Code, a book which few of us use, but is a required text for the Permit Technicians Certification Exam.
Instructor: Carey Frazier - City of Frisco

4314A **Residential Field Inspections for the Permit Tech**
Couse will be an overview of what a field inspector experiences at a residential inspection led by a former Building Official/Field Inspector.
Instructor: Wayne Carlisle - Carlisle Code Consulting

4314P **Field Trip to Local Area Residential Construction Site**
Permit Techs will be transported to a local construction site to do walk through inspections with local field inspectors. This course is limited to 54 attendees.
Instructor: Senior Inspectors -

5314A **How to Study/Prepare/Pass your Permit Technician Certification Exam**
Course will acquaint the student with the required texts, study habits and test taking tips to aid in the students self-study for the Permit Technicians Certification Exam.
Instructor: Samantha Morrow - City of Garland

Plan Review

Moderators Wayne Snell - City of Plano - Plano, TX
Susan Hernandez - City of Southlake - Southlake, TX

1615AP **Basic Plan Review, Day 1 of a 2 Day Required Course**

Day 1 of a 2 day required course will include highlights from chapters 1 - 6 regarding permits, submittal documents, definitions, occupancy classification, building heights and areas, mixed use and types of construction.

Instructor: Pat Vandergriff - Vandergriff Code Consulting Svcs.

2615AP **Basic Plan Review, Day 2 of a 2 Day Required Course**

Day 2 of a 2 day required course will cover means of egress, occupant loads, exits, and interior environment. Chapters 10 & 12 of the 2015 IBC.

Instructor: Pat Vandergriff - Vandergriff Code Consulting Svcs.

3615AP **Electrical Plan Review**

Course will cover the 2014 NEC and will include one line power diagram – wiring method and ground connections (type of conductor insulation, conductor size, number of conductors in conduit, type of conduit, etc.); panel board type and connections, grounding methods (include medical facilities and telecommunications facilities), loads, location of equipment, home runs, equipment schedules, electrical symbols, emergency lighting/signs, GFCI & WP requirements.

Instructor: Bill McGovern - Electrical Solutions

Instructor: Gary Jones - Consultant

4315A **Mechanical Plan Review**

Course will include covering both the Mechanical Code and the Energy Code on sizing of units and RTU support, duct, fire/smoke dampers, location of controls, mechanical symbols used on plans, condensate drain, makeup air and exhaust fans.

Instructor: Sam Dardano - City of Boulder

4315P **Plumbing Plan Review**

Course will cover connections of utilities to buildings (verification with civil plans), roof drains and connections, plumbing riser plans to include water, gas, condensate drains, water heater, sewer and vents and plumbing symbols. Also include grease interceptor for sizing, type and locations.

Instructor: Robert Doran - Plumbers Continuing Education

5315A **Access Controls**

Code requirements regarding access control associated with the means of egress. Four of the most prevalent access control devices found in a typical building are fire doors, delayed egress, electromagnetic locks, and stairwell re-entry. Incorrectly applied access control has a potential to block egress. All components reviewed in this half day course. (Same as 5309A and 5310A)

Instructor: Tim Burgett - Fire and Building Associates, Inc.

Planning

Moderators Michele Berry - City of Keller - Keller, TX
Brett King - City of Carrollton - Carrollton, TX

1316A **Planning and Zoning for New Hires**

This session is designed as an overview for professional planners new to Texas, Planning and Zoning Commissioners, and development professionals interested in learning more about the platting and zoning processes. This class will focus specifically on the regulations guiding platting and zoning in Texas. This will be a good class for experienced Texas planners wishing to refresh their skills, experienced planners new to Texas and for young planners. The course will also be good for Planning and Zoning Commissioners or Zoning Board of Adjustment Commissioners as it will provide a review of the development process in Texas. (3 CM

Instructor: David Gattis - City of Benbrook

1316P **Ethics for Building and Planning Professionals**

Learn about ethical practice and conduct for both planning and building professionals. (1.5 Ethics CM credits & 1.5 CM Credits)

Instructor: Ann Bagley - Bagley Associates

Instructor: Alan Lathrom - Brown & Hofmeister, L.L.P.

2316A **Neighborhood Planning Best Practices**

Neighborhoods are at the heart of our cities. Learn best practices for neighborhood planning from the neighborhood planning team of Garland, Texas. This session will cover ways to engage neighborhood members and implement programs to improve and maintain neighborhoods. (3 CM credits)

Instructor: Angela Self - City of Garland

Instructor: Felisa Conner - City of Garland

2316P **Hydraulic Fracturing in the Barnett Shale**

Gas Well Drilling continues to be a topic of debate in North Texas. Learn the facts about drilling for natural gas in the Barnett Shale and discuss the impacts gas well production has on current and future land uses. (3 CM credits)

Instructor: Darren Groth - City of Denton

Instructor: Brandon Bammel - Town of Flower Mound

Instructor: Collin Gregory - City of Arlington

3316A **Form Based Codes and New Urbanism**

Building places that people love can be achieved through innovative zoning, streamlined approval processes and focused economic development strategies. This session will explore timeless principles of place-making, focusing on how these principles are translated into form-based zoning ordinances and the way these standards are implemented within a community. The panel will also discuss lessons learned from nurturing walkability at the block and building level. (3 CM credits)

Instructor: Arti Harchekar - Townscape

Instructor: Bill Gietema - Arcadia Realty

Instructor: Mike Brennan - Fort Worth South, Inc.

3316P **Using FBC to regulate Single-Family/Historic Preservation for Economic Development**

Using FBC to regulate Single-Family
The City of University Park and the Town of Highland Park (referred to as the Park Cities) have a long history of zoning dating back to the 1930s. The presentation will show how form-based codes have been developed and used over the years to regulate various aspects of construction in the single family neighborhoods. (1.5 CM credits) (1.5 hours) Harry Persaud and Dan Sefko

Historic Preservation for Economic Development
Historic Preservation not only ensures the continued intrinsic value of historic structures and places, but is a great tool for economic development. Learn about how the Texas Main Street Program, local incentives, historic designations, and promoting historic tourism has helped Denton attract both residents and businesses, particularly to the Downtown area. (1.5 CM credits) (1.5 hours) Cindy Jackson and Julie Glover

Instructor: Harry Persaud - City of University Park

Instructor: Cindy Jackson - City of Denton

Instructor: Dan Sefko - Freese & Nichols

Instructor: Julie Glover - City of Denton

4316A **TML Updates/Legal Issues for Planners and Engineers**

TML Updates
The results of the current Texas Legislature Session is sure to impact planners. This will be a comprehensive review of new and amended legislation related to Building, Planning and Code Enforcement. (1.5 CM law credits) (First 1.5 hours) Craig Farmer and Art Anderson

Legal Issues for Planners and Engineers
This session will be an overview of legal issues affecting planners and engineers including development agreements, vested rights, jurisdictional issues, statutes that affect passing a moratorium and processing permits, platting laws and others. (1.5 CM law credits) (1.5 hours) Melissa Lindelow

Instructor: Craig Farmer - City of Weatherford

Instructor: Art Anderson - Winstead PC

Instructor: Melissa Lindelow - Shupe, Ventura, Lindelow & Olson

4316P **Planning and Public Health.**

Planning history has its roots in public health. This session will focus on the modern intersection of the planning practice and public health. Learn from steps the City of Fort Worth Planning Department has made to work with the Tarrant County Public Health Department in addressing public health. The class will cover strategies to incorporate public health in plan making and implementation. (3 CM Credits)

Instructor: Dana Burghdoff - City of Fort Worth

Instructor: Eric Fladager - City of Fort Worth

5316A **Green Building Tour**

Texas Christian University has a large portfolio of LEED-certified buildings, both LEED BD+C and LEED O+M. After touring the newly renovated Amon Carter Stadium, the just-completed Worth Hills Dining Facility, Rees Jones Hall and the main chiller plant, the four TCU tour guides will discuss the process and specifics of TCU's green facility plan. Attendees to meet at 8:30am in the Champions Club in Amon Carter Stadium (2B on the downloaded map or visit http://www.maps.tcu.edu/pdf/Athletics-WH_Campus_Map_Color.pdf). Park in Lot 1 and enter the Champions Club through the south elevators. Limited to 50 people. (Same as 5304A)

Instructor:

Instructor: Shelton Riley - Texas Christian University

Instructor: Harold Leeman - Texas Christian University

Instructor: Todd Waldvogel - Texas Christian University

COURSE DESCRIPTIONS AND INSTRUCTORS

Public Works / Surveying / Engineering

Moderators Dennis Abraham - Dallas County Public Works - Dallas, TX
Chris Flanigan - City of Allen - Allen, TX

1417A **The Texas Coordinate Systems**

Course will first examine the legal definition of the Texas Coordinate System(s) per the Natural Resources Code including diagrams and the geodetic basis for the plane systems. We will also explore where reciting coordinates stands in the dignity of calls in a grant. Several sections will be devoted to the appropriate uses for the Texas Coordinate System(s); retracement of field notes calling for the Texas Coordinate System(s); hybrid coordinate systems promulgated by municipalities and other governmental agencies. This should be a lively discussion with the mixture of disciplines joining the forum.Time permitting we will also discuss how to apply software products to graphical elements plotted on projection planes with AutoCAD Map being used as the example format. This 4 hour class has been approved by TBPLS for continuing education credit for licensed surveyors. Course starts at 8:00AM and ends at 12:00Noon.

Instructor: Wayne Terry, RPLS - R-Delta Engineers, Inc.

1417P **The Survey Professional (Is Land Surveying A Profession?**

Presentation explores the reason Land Surveyors can claim the designation, "professional" in their title. Discussion will include education requirements in measurement science and law to be qualified to make a boundary determination. Beyond the academic requirements, ethical situations facing surveyors as they handle the affairs of a client's real property will be discussed. At the heart of this session will be the importance of literary and oral communication through the entire spectrum of client and employee relations.This course has been approved by the TBPLS to satisfy the 3 hours ethics requirement for licensed surveyors. Course starts at 1:00PM and ends at 5:00PM.

Instructor: Wayne Terry, RPLS - R-Delta Engineers, Inc.

2817AP **FEMA / NFIP Floodplain Management Workshop**

THIS IS A 8 HOUR CLASS: Presentation outlines the current requirements of FEMA and the National Flood Insurance Program. The NFIP Refresher Workshop was developed by the Texas Floodplain Management Association in 2013 as a training tool for community officials, floodplain administrators, building officials, professional engineers, registered public surveyors, and planners. Discussion topics include: Floodplain Management Concepts;Floodplain Mapping; NFIP Regulations and Administrative Procedures; Elevation Certificates; Impacts of recent NFIP Reform Legislation; Flood Hazard Mitigation; LID Development and its effect on Floodplain. Class starts at 8:00AM and ends at 5:00PM. This course has been approved by the TBPLS for 8 hours of continuing education for licensed surveyors.

Instructor: John Ivey, P.E., CFM - Halff & Associates

3317A **Nebraska Furniture Mart - A Case Study**

Graham Associates was the engineer of record for this massive development project in the City of The Colony. The presentation will describe the challenges associated with constructing such a massive project, and how they were overcome. (1 - 2 hours)

- World's largest Furniture store
- 107 acre store site with 2700 surface parking spaces, 2000 structured.
- 1.5 Million SF Footprint, 1.9 Million Total Square ft.
- Estimated 10 Million visitors a year
- Demanded the Largest traffic Models done in North Texas by NCTCOG and savant Group
- 3 miles of New Thoroughfares
- Widening of existing Plano Parkway
- Improvements to surrounding Roadways and Interchanges
- New Interchange at S. Colony BLVD and SH 121 (diverging diamond)

Instructor: Michael Peterson - Graham Associates

3317P **Oh! So that's in the TMUTCD? Overlooked aspects of the Texas Manual on Uniform Traffic Control Devices**

The Texas Manual on Uniform Traffic Control Devices (TMUTCD) governs the design and use of traffic control devices and signage for all streets open to the traveling public. This course will provide clarification of common misconceptions and misunderstandings and help you better understand proper application of traffic control standards for varying conditions. In general, expect to cover signs, markings, signals, the layout of work zones, pedestrian aspects of work zones, incident management in the TMUTCD, and a few bicycle related items on basic and fundamental levels. The presentation has been tailored to suit an audience that does not utilize traffic engineering standards on a regular basis, but could benefit from a few tips to enhance understanding when necessary (1PM-4PM).

Instructor: Richard Berry - City of Plano Public Works Department

4317A **Rehabilitation of Water and Sewer Pipelines Using Trenchless Technologies**

Interactive presentation provides an overview of trenchless technology methods, benefits and life cycle cost considerations, the decision making process on selecting a rehabilitation method, rehabilitation methods with their advantages and limitations, and an overview of design concepts with case study. This presentation is suited for water and sewer department personal, engineers and contractors.Handout and a pdf copy of presentation will be provided to registered attendees.

Instructor: Mohammad Najafi - University of Texas Arlington

4417P **Disaster Management, Coastal Floodplain and Ethics in Floodplain Management**

Presentation outlines floodplain mgmt. ethical issues often encountered by the local floodplain administrator, professional engineer and registered public surveyor. Ethical requirements for certified floodplain managers (CFMs), professional engineers (PEs), professional planners (AICP), registered architects (AIA), registered public land surveyors (RPLS) and other professions and certifications will be discussed. Will include examples of floodplain modeling, mapping, planning, surveying, and the administration and enforcement of the community flood damage prevention ordinance. Many certification programs now include mandatory ethics policies and CEC requirements. Encourages audience participation as the various impacts on ethical decisions are shared within the course: Political pressure; Project deadlines; Supervisor or Peer pressure; Financial impacts; NFIP compliance and regulations. 4 hour course approved by TFMA as 4 hours (4CECs) and 4 PDHs for P.E. Course starts at 1:00PM and ends at 5:00PM.

Instructor: John Ivey, P.E., CFM - Halff & Associates

5317A **Understanding ADA Title II Transition Plans**

Overview of general steps to compliance with Transition Plan as required by Americans with Disabilities Act of 1990 Title II. Course will cover designating an ADA coordinator, providing notice to the public about ADA requirements, establishing a grievance procedure, developing internal design standards, specifications, and details. Assigning personnel for the development of a transition plan and completing it, approving a schedule and budget for the transition plan, and monitoring the progress on the implementation of the transition plan. (Same as 5303A)

Instructor: Brian Shamburger - Kimley-Horn and Associates, Inc.

Residential Construction and Inspection

Moderators Ismael 'Izzy' Rivera Jr - City of Benbrook - Benbrook, TX
Wayne Carlisle - Carlisle Code Consulting - Ft. Worth, TX

1318A **Foundation Inspections for Residential Building Inspectors**

Basic course in proper techniques and code requirements for foundations. Addresses most common problems and solutions.

Instructor: Mike Phillips - Childress Engineering Services

1318P **Basic Inspections for Wood Framed Pier and Beam Floors**

Basic course in proper techniques and code requirements for framing inspections for wood framed floors. Learn to read the proper tables for spans and species of lumber, clearances from ground, treated or not, boring notching, etc.

Instructor: Wayne Carlisle - Carlisle Code Consulting

2618AP **Basic Framing Inspections for Residential Building Inspectors**

Basic course on wall, ceiling and roof inspections. What to look out for as an inspector when performing framing inspections for braced wall panel inspections, braced wall line inspections, portal framing inspections and narrow wall inspections.

Instructor: Wayne Carlisle - Carlisle Code Consulting

3618AP **Basic Electrical Systems for Residential Electrical Inspectors**

Basic course in residential electrical requirements for electrical inspectors based on the 2014 National Electrical Code. Addresses common wiring problems and solutions.

Instructor: Keith Lofland - Int'l Assoc. of Electrical Inspectors

4318A **Basic Plumbing Systems for Residential Plumbing Inspectors**

Basic course in residential plumbing requirements for inspectors. Addresses common problems and solutions.

Instructor: Robert Doran - Plumbers Continuing Education

4318P **Field Inspections (Field Trip)**

Course will be limited to 54 attendees and will cover framing and electrical only.

Instructor: Senior Inspectors -

5318A **Residential Final Inspections**

Improving the efficiency of your inspections at the final inspection, a look at the non-structural inspections.

Instructor: Wayne Carlisle - Carlisle Code Consulting

CBO Exam Training and Storm Shelters

Moderators Suzanne Arnold - City of Garland - Garland, TX
Mike Phillips - Childress Engineering Services - Richardson, TX

1619AP **Legal & Management Exam Prep for CBO Day 1 of a 2 Day Required Course**
The Management Module is one of the three examinations required for candidates pursuing a Certified Building Official or Certified Fire Marshal combination designation. This seminar will be based on the 2015 ICodes. The subject matter will include customer service and communication, financial management, personnel management and records management. In this course you will be taught the code as well as getting you ready to take the exam.
Instructor: Frank Morris - Tri-State Consultants

2619AP **Legal & Management Exam Prep for CBO Day 2 of a 2 Day Required Course**
The Legal Module is one of the three examinations required for candidates pursuing a Certified Building Official or Certified Fire Marshal combination designation. This seminar will be based on the 2015 ICodes. The subject matter will include legislative, code enforcement, human resources and public records. In this course you will be taught the code as well as getting you ready to take the exam.
Instructor: Frank Morris - Tri-State Consultants

3619AP **Building Codes and Standards Exam Prep Day 1 of a 2 Day Required Course**
The Building Codes and Standards is one of the three examinations for candidates pursuing a Certified Building Official or Certified Fire Marshal combination designation. This seminar will be based on the 2015 ICodes. The subject matter will include architectural plan review, structural plan review, building systems plan review and field inspections. In this course you will be taught the code as well as getting you ready to take the exam.
Instructor: Frank Morris - Tri-State Consultants

4619AP **Building Codes and Standards Exam Prep Day 2 of a 2 Day Required Course**
The Building Codes and Standards is one of the three examinations for candidates pursuing a Certified Building Official or Certified Fire Marshal combination designation. This seminar will be based on the 2015 ICodes. The subject matter will include architectural plan review, structural plan review, building systems plan review and field inspections. In this course you will be taught the code as well as getting you ready to take the exam.
Instructor: Frank Morris - Tri-State Consultants

5319A **Residential Storm Shelter**
Course will discuss varieties of storm shelters for residential construction. It will include the FEMA recommended storm room and a variety of other types of structures and systems available on the market and their installation and engineering considerations. (Same as 5313A)
Instructor: Tony Childress - Childress Engineering Services

Medical Gas Training

Moderators Charles Clawson - Building Professional Institute - Arlington, TX

2820AP **Medical Gas Endorsement Training Day 1 of a 3 Day Required Course**
24 hour Medical Gas and Vacuum Certified training to meet the mandated requirements towards the examination for the Licensed Inspector, Master and Journeyman Plumber endorsement. In addition, the 24 hour course will accredit 100 hours towards the qualification of taking the licensed Plumbing Inspector's examination. The student will be issued the 2015 NFPA 99 Health Care Facilities Code along with other handouts. The brazing shop-work will be included within the 24 hour training program.
Instructor: Johnny Horton - Plumbers Continuing Education

3820AP **Medical Gas Endorsement Training Day 2 of a 3 Day Required Course**
24 hour Medical Gas and Vacuum Certified training to meet the mandated requirements towards the examination for the Licensed Inspector, Master and Journeyman Plumber endorsement. In addition, the 24 hour course will accredit 100 hours towards the qualification of taking the licensed Plumbing Inspector's examination. The student will be issued the 2015 NFPA 99 Health Care Facilities Code along with other handouts. The brazing shop-work will be included within the 24 hour training program.
Instructor: Johnny Horton - Plumbers Continuing Education

4820AP **Medical Gas Endorsement Training Day 3 of a 3 Day Required Course**
24 hour Medical Gas and Vacuum Certified training to meet the mandated requirements towards the examination for the Licensed Inspector, Master and Journeyman Plumber endorsement. In addition, the 24 hour course will accredit 100 hours towards the qualification of taking the licensed Plumbing Inspector's examination. The student will be issued the 2015 NFPA 99 Health Care Facilities Code along with other handouts. The brazing shop-work will be included within the 24 hour training program.
Instructor: Johnny Horton - Plumbers Continuing Education

5820A **Medical Gas Exam - Full Day Exam**
THIS FULL DAY EXAM IS FOR INSPECTORS ONLY. All Inspectors must apply to the State Plumbing Board for a complete application and fees due on or before May 12, 2015. The web site for the Texas State Plumbing Board is: http://www.tsbpe.state.tx.us/. Exam starts at 8:00AM and ends at 5:00PM
Instructor: Texas State Board -

INSTRUCTOR PROFILES

Art Anderson	Represents landowners, developers and builders in major land use issues with local governmental entities; His goal is the same as his clients; Obtain the desired result as efficiently and effectively as possible; frequently processes development applications and presents cases before administrative and legislative bodies.
Kristi Avalos	Kristi is the President and CEO of Accessology Too, LLC and founder of the company. She has been involved in disability issues since 1977 and works as an expert witness on ADA cases across the country and is a sought after speaker. Her company's specialty is the development of Title II Transition Plans to help agencies ensure not only physical compliance with buildings and parks, but evaluate programs, services, and activities and all aspects of inclusion into community life.
Ann Bagley	Ann Cooke Bagley, FAICP, is a certified professional planner with over 30 years of experience working with small to medium size cities on long range plans, zoning ordinances, subdivision regulations and park plans. She holds a BA in City and Regional Planning and MA in Geography, City and Regional Planning Option from the University of Louisiana, Lafayette. She has worked for Houston and Sugar Land. She was the consultant on numerous comprehensive plans in Texas, Arkansas, and New Mexico. She is currently a principal of Bagley Associates. Currently serving her fourth term on the Dallas City Plan Commission representing District 7, Ann is the Vice Chair of the Thoroughfare Committee and a former member of the Zoning Ordinance Advisory Committee. She was active in the zoning process for several southern and east Dallas developments. She is the Planning Official Development Officer for the Texas Chapter of the American Planning Association She served two terms as APATexas Chapter Treasurer. Ann was inducted into the College of Fellows of the American Institute of Certified Planners at the 2010 national conference of the American Planning Association in New Orleans in April. She currently serves on the national board of directors of the American Planning Association as a Board Member Elected at Large where she has served on the Planning Commissioner, Awards and Governance committees.
Brandon Bammel	Brandon Bammel is an Environmental Review Analyst for the Town of Flower Mound with over six years of experience related to environmental regulations. Brandon's responsibilities include gas well and pipeline permit review and administering the Town's Stormwater Management Program. Brandon's duties also include presenting proposed development plans to the Town's Oil and Gas Board of Appeals for projects that are adjacent to existing gas well pad sites. Brandon is a graduate of the University of Texas at Arlington (UTA) and recently received his Masters of Science degree in Geology from UTA in May of 2014 with a focus on plate tectonics.
Zaida Basora	Assistant Director of Dallas Public Works Department; oversees facility architecture/engineering design and construction services for new and existing buildings; implemented Dallas' green building code April 2008. Building Officials Association of Texas (BOAT) 2008 award of excellence for extra large jurisdictions and a 2009 CLIDE Award in the public policy and planning category; 2010 Chair of the US Green Building Council North Texas Chapter and 2015 President Elect for Dallas AIA.
Mike Bass	
Steve Berry	Registered Sanitarian since 1982; retired from the City of Plano in 2007 after more than 26 years combined service with Plano and the City of Richardson; consultant in food safety and has been a trainer for NSF International, teaching both a two day HACCP Certification class and two day SQF class for food manufacturers and processors. Certified NSF Trainer for HACCP, Advanced HACCP, Safe Quality Foods (SQF), Principles of Internal Auditing. REHS/RS since 1982.
Richard Berry	BSCE from Texas A&M University; MSCE from University of Texas at Arlington; 34 years of experience in traffic engineering, of which the past 22 have been in municipal traffic engineering. Licensed Professional Engineer in the State of Texas. Technical committee member of the National Committee on Uniform Traffic Control Devices since 1991. Currently Senior Traffic Engineer with the City of Plano.
Cathy Boldt	Principal at Conception to Reality, providing project management and water consulting services. Cathy has developed green building professional education courses and conferences in North Texas since 2006.
Larry Boldt	Bachelor in Engineering Technology from Texas A&M; Business Development Manager for Waste Water with Garratt-Callahan Company; 24 years experience in water treatment and conservation.
Mike Brennan	Mike Brennan leads planning and development initiatives for Fort Worth South, Inc. a non-profit redevelopment corporation working to revitalize Fort Worth's Near Southside. Mike led the effort to create an urban, form-based development code for the Near Southside, adopted by the City of Fort Worth in January 2008. Mike received his master's degree in urban planner from Harvard's Graduate School of Design in 1999 and his certification from the American Institute of Certified Planner's in 2002.
Tim Burgett	40+ years of fire protection and code experience to include teaching fire and building codes for the International Code Council; two decades as a volunteer fire fighter, and over a decade of teaching and designing fire alarm and sprinkler systems; Certified Chief Code Analyst in the Fire and Building Codes; attended several Fire Protection classes at the National Fire Academy and earned an Associate degree in Fire Science with a BS in Public Safety Administration.
Dana Burghdoff	City of Fort Worth; Deputy Director of Planning and Development; oversees Planning Division, which is responsible for long-range planning, zoning, platting, annexation, urban design, and historic preservation.
Wayne Carlisle	Former Building Official for the City of Benbrook; Certified ICC Building Inspector, Certified ICC International Residential Code Inspector, Certified ICC Residential Energy Inspector/Plans Examiner, and a State of Texas Licensed Plumbing Inspector.

INSTRUCTOR PROFILES

Tony Childress	Founder and Owner of Childress Engineering Services, Inc. established in 1994; licensed Professional Engineer in 35 states; 28 years experience in research, design management, and consulting experience; Past Chairman Texas Tech University Civil Engineering Academy.
C. W. Clark, P. E.	Electrical Engineer; Director of Compliance and Enforcement Division of Texas Board of Professional Engineers.
Felisa Conner	Felisa Conner has over 19 years' experience in community engagement and community building. With a diverse background in local government, she has partnered with residents, city departments, the faith community, and non-profits to implement resident driven projects as well as goals outlined in neighborhood action plans, comprehensive plans, and consolidated plan. In her position as Neighborhood Vitality Manager for the City of Garland, Ms. Conner has the privilege of working with many City departments and community stakeholders to ensure Garland's neighborhoods experience growth and stability. Her work includes course development for the Garland Neighborhood Summit, the Neighborhood Summit which conveys the City's comprehensive agenda for neighborhoods, and partnership development for D.I.Y. Garland. Ms. Conner has a B.A. in Social Science from University of Texas at Dallas as well as a Graduate Certificate in Local Government Management. She is a certified Technology of Participation Facilitator and completed the Professional Certification in Community and Neighborhood Revitalization through the Neighborhood Reinvestment Training Institute.
Robert Corrigan	New Yorker born and bred; well known throughout the world as an educator, innovator and consultant on vertebrate pests; one of the nation's foremost experts in rodent control; has worked for an extermination company in Manhattan, inspecting restaurants for the city and killing rats and mice for scores of private customers; his love of Science led him to Purdue University where he earned 3 degrees, including a doctorate in vertebrate pest management; currently runs a consulting company in Richmond, Ind.; inducted into the Pest Management Professional's Hall of Fame.
K. Cotney	
Brian Cramer	Real Estate industry for five years before going to work for Tarrant County in 1988; spent 26 years making a difference in a variety of areas; early years with the county were tasked with acquiring right-of-ways for the County and the State of Texas and the last twenty years as the Housing Administrator for Tarrant County Community Development Department; some of his Administrative duties included directing $25 million in federal funding into housing related activities that impacted the communities.
Lawrence Crow	CBO; Field Operations Manager, City of Irving; Past President of BOAT; 20 years experience as a job Superintendent; 19 years as a code official
Nina Dacko	Currently the vector control supervisor at Tarrant County Public Health where she runs the arboviral surveillance and mosquito control program; educated in the field of entomology and has had a passion of working with arthropods since she was very little; has been in the mosquito control industry since 2006; worked in programs in various locations including Illinois, the Texas panhandle, northern California and now north Texas.
Sam Dardano	50 years experience in HVAC; teaches Mechanical Code Classes for Redstone College, serves as technical consultant to county and city agencies for Mechanical/Fuel-Gas codes; mechanical Plan Reviewer for ICC.
Francois de Kock	A registered landscape architect, a certified planner and LEED AP. He has developed a high level of experience in environmental planning, landscape design and landscape restoration. A BS in Landscape Architecture from University of Pretoria in South Africa and a Masters of Landscape Architecture from Harvard University.
Mary Dickinson	Regional Sustainable Design Leader for the Texas offices of Perkins+Will. In this role, Mary validates that all office projects and practices are sustainable and follow set protocol and procedures. She participates in research and creates tools that are shared across the firm. Mary also participates in the local design community as a member of AIA Dallas' Committee on the Environment, where she was Chair in 2013 and this year's Co-Chairman of the AIA+2030 Series.
Robert Doran	Master plumber for nearly 30 years; began his teaching career with Texas A&M University Engineering Extension Service at the beginning of the CPE program in 1994; active member of ASPE DFW chapter, and donates his time to many different types of training towards the Health and Safety of the state; personally contributed in the development of all of the training manuals, including writing for the CPE books, and designing of power point presentations to maximize the time-to-learn ratio to insure the best possible score on all certification tests; currently involved with the Texas Residential Fire Sprinkler Coalition in demonstrating the importance of sprinkler systems in the home.
Carrie Dubberley	A degreed horticulturist, teacher, writer, speaker and principal of Dubberley Landscape. Her specialty is sustainable landscaping: heat and drought-tolerant, water-wise and low-maintenance.
Michael Edwards	City of Irving Corridors Supervisor, Multifamily supervisor, and Senior Code Inspector in Code Enforcement; served as Field Supervisors in Animal Services; certified Animal Control Officer, ICC Property Maintenance and Housing Inspector and a registered Code Enforcement Officer.
Shirley Ellis	Energy Code Specialist at the Energy Systems Laboratory, Texas A&M University System; a contract instructor for the International Code Council, instructing classes on Green Building, Energy Conservation, Residential, and Building Codes and Codes for Contractors.

INSTRUCTOR PROFILES

Craig Farmer

City of Weatherford; Director of Planning or Deputy City Manager , building inspection and code enforcement in major cities for over 25 years ; consulted for an additional 10 years writing development codes; Texas Chapter of the American Planning Association Legislative Committee and monitored Planning and Development related legislation for the last three legislatures.

George Ferrie

George Ferrie is the Director of the Compliance Division at the Texas Department of Licensing and Regulation. He has been with the Department for over 19 years, overseeing and providing technical expertise for the Architectural Barriers Program and its plan review, inspection and field operations. He assisted in the development of the Texas Accessibility Standards and was one of the original facilitators of the Texas Accessibility Academy. George is a Registered Architect, and has been involved in accessibility design, plan review, and inspection for 27 years.

Eric Fladager

Eric Fladager, AICP, CNU-A
Comprehensive Planning Manager, City of Fort Worth

Eric Fladager is a Planning Manager with the City of Fort Worth Planning & Development Department. Eric manages the Comprehensive Planning Section of the Department, which is responsible for the City's Comprehensive Plan.

Eric's team is also responsible for developing long-range plans for specific geographic areas of the city. Examples include the Lake Worth Vision Plan, the Northside Economic Development Strategy and Action Plan, the Texas Motor Speedway Area Master Plan, Urban Village Master Plans, and Neighborhood Empowerment Zone Plans. Eric's section is also home to the City's bicycle and pedestrian planning efforts, which have yielded the Walk Fort Worth Plan and the Bike Fort Worth Plan, as well as many of the projects that implement these plans.

In addition, the team plans and implements pedestrian and bicycle friendly streetscape improvement projects in target areas, such as the City's Urban Villages and planned Transit-Oriented Development areas.

Eric's team works on a variety of additional urban design, economic development, research, and GIS mapping projects. Eric's section is actively engaged in combined land use and transportation planning efforts as well, including rail station area plans and Transit-Oriented Development (TOD) plans, such as the TCU/Berry TOD Plan that is currently underway.

Eric earned a Masters degree in City and Regional Planning from the University of North Carolina-Chapel Hill, and a Bachelors degree in Economics from the University of Wisconsin-Madison. He holds a professional planning certification from the American Institute of Certified Planners, and an accreditation from the Congress for the New Urbanism. Prior to arriving in Fort Worth eight years ago, Eric worked as a planner in Oregon for over ten years.

Eric has presented conference sessions for the American Planning Association, the APA Texas Chapter, the International Downtown Association, the Texas District of the Institute of Transportation Engineers, and others.

Carey Frazier

Plans Examiner with the City of Frisco; ICC Certified Permit Technical.

David Gattis

Deputy City Manager for the City of Benbrook; responsible for planning, engineering, building inspection, capital improvements, geographic information systems, public works, information technology and economic development activities in the City.

Bill Gietema

Bill is co-founder of Arcadia and is responsible for the company's entitlements, land planning and development operations. Mr. Gietema "grew-up" in the real estate business and has been involved in numerous residential and commercial projects as an employee in his father's California-based development firm. Mr. Gietema is highly regarded in the industry as an expert in land planning, zoning and market research. Mr. Gietema received a BA from UCLA, where he was a Summa Cum Laude graduate and recipient of numerous academic awards, including Phi Beta Kappa. Mr. Gietema also earned an MS in real estate development from MIT, and studied at the prestigious London School of Economics. Mr. Gietema was awarded the 2002 Knight Fellowship from the University of Miami School of Architecture, and serves on the Residential Development Council of the Urban Land Institute. He is a frequent lecturer at the Seaside Institute, the Congress for New Urbanism, and the Urban Land Institute

Julie Glover

Julie Glover is the Economic Development Program Administer for the City of Denton, Texas. Two of the programs she manages are the Downtown Development and Historic Preservation. She has a Bachelor's degree in Journalism and a Master of Business Administration degree from Texas Woman's University.

In 2001, she earned her Profession Certification in Downtown Management from the National Trust for Historic Preservation. She is a past recipient of the Texas Historic Commission's Anice B. Read Award of Excellence in Community Heritage Development, and a Past President of the Texas Downtown Association.

Julie has spoken on downtown revitalization and preservation topics at the National Main Street Conference, Texas Downtown Association Conference, Texas Municipal League Conference, the Texas Historical Commission Conference, and numerous Main Street communities.

David Gonzales

David Gonzales is Manager of the Building & Mechanical Section at the Texas Department of Licensing and Regulation (TDLR). Over 14 years with TDLR providing technical expertise for the Architectural Barriers Program. Responsibilities include program management, accessibility investigations/inspections, plan review services, and development/facilitation of the Texas Accessibility Academy.

INSTRUCTOR PROFILES

Collin Gregory Collin Gregory is a Gas Well Coordinator with the City of Arlington and has over nine years of experience related to municipal gas well drilling. With 56 drill sites in the City of Arlington, Collin is responsible for enforcing the city's gas well and production ordinance to ensure industry compliance. He serves as project manager for zoning and drilling applications and also conducts onsite inspections and noise investigations. Collin is a veteran of the United States Marine Corps and a graduate of Texas A&M University – Commerce's College of Business where he received his Bachelor of Applied Arts and Sciences degree.

Darren Groth For nearly a decode, Darren has addressed various aspects associated with oil & gas drilling and currently serves the City of Denton as Manager of the Planning & Development Department's Gas Well Inspections Division. He earned a bachelor's degree in Physical Geography from the University of Minnesota and holds both a master's degree in City and Regional Planning and a graduate certificate in Law & Public Policy from the University of Texas at Arlington. Darren is a certified public manager (CPM), registered environmental professional (REP), and member of the American Institute of Certified Planners (AICP).

Arti Harchekar Arti is an Associate with Townscape, Inc. Her projects experience includes the successful development and implementation of downtown, traditional neighborhood, town center and transit oriented plans and implementation strategies, comprehensive plans which focus on urban design, sustainability and market capture; as well as the calibration and implementation of form-based codes.

Byron Hardin President of Hardin & Associates Consulting, a firm committed towards working with local governments in applying innovative solutions for optimal results. Prior to starting Hardin and Associates Consulting, served as the Dallas / Fort Worth Office Manager for Brown and Caldwell a National Environmental Consulting and Engineering firm. Over the course of his 23 years in state and local government, he has served as Public Works Director, Water Utilities Manager, Senior Environmental Health Specialists and Program Manager for the Texas Natural Resource Conservation Commission (TNRCC) in the Public Drinking Water Section / Water Utilities Division. Currently has over 29 years of state, municipal and private sector experience in the areas of Business Management, Public Works, Water / Wastewater Utilities, and Environmental Health fields.

Douglas Hartman Doug Hartman is an architect, specifications consultant, sustainable design consultant, and construction administrator based in Dallas, TX. His company, INSPEC, is celebrating 29 years of continuous service to the design and construction community.

Bill Hoffman Mr. Hoffman received a BS in Chemical Engineering and an MS in Environmental Engineering from the Universtity of Texas, Austin. During the past two years, Mr. Hoffman has audited numerous commercial, institutional, and industrial facilities including university campuses, hospitals, laboratories, hotels, government facilities, industries, power plants and related commercial, institutional and industrial
facilities. He has also conducted audit and CII training cases, and was co-author of the WaterSmart Guidebook, A Water-Use Efficiency Plan Review Guide for New Business, East Bay Municipal Water District, Oakland California. Industrial facilities include food and beverage industries, machining and manufacturing facilities of many types, power plants, electronics, and related operations. Mr. Hoffman is a member of a number of national water conservation councils and committees related to CII water conservation.

Johnny Horton Has held his Medical gas endorsement since 1999;teaching Med Gas certification for Plumbers Continuing Education for more than 1 yea; licensed plumber since 1968; also a certified backflow tester.

Sandra Hyde, P.E. Staff Engineer with the ICC Product Development Group where she develops and reviews technical resources dealing with the structural provisions of the codes; developed technical seminars for the IBC and IRC highlighting code changes; experience in manufacturing and research with an engineered wood products company; member of the Structural Engineers Association of Idaho and the local and state chapters of building officials.

Senior Inspectors

John Ivey, P.E., CFM Vice President and Manager of Halff Associates' Floodplain and Emergency Management Division in Fort Worth, Tx.; served as Deputy Chief Engineer, Federal Insurance Administration, Washington, DC; Regional Engineer for FEMA Region VI, and HUD Area Engineer for Oklahoma; currently serves on the Association of State Floodplain Managers (ASFPM) Certified Board of Regents, Chair of the ASFPM CFM Exam Work Group that manages the National Certified Floodplain Manager (CFM) Exam, Liaison for the ASFPM Professional Development Committee, and former Chair of the Texas Floodplain Management Association; Professional Engineer (Texas, Certified Floodplain Manager (National) and Commander, USNR (retired).

Fouad Jaber Associate Professor and Extension Specialist in Integrated Water Resources Management at Texas A&M AgriLife Extension Service. Focuses on best management practices to mitigate the harmful effects of urbanization on stormwater volume and water quality, as well as, water reuse in urban settings.

Cindy Jackson Cindy Jackson has 20 years of professional planning experience in Texas and California. She currently serves at the Historic Preservation Officer for the City of Denton.

Kirk Johnson An associate architect at Corgan, Kirk Johnson has been instrumental in developing sustainable practices for the firm that have 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.

INSTRUCTOR PROFILES

Gary Jones

Mr. Jones is a retired Chief Electrical Inspector for the City of Ft. Worth, Texas with over 30 years of service. Currently, he is an adjunct instructor for the International Association of Electrical Inspectors (IAEI), a past President of the IAEI Texas Chapter and a member of the IAEI Southern Section Codes and Standards Committee. Additionally, he is Chairman of the Ft.Worth Fire Prevention and Construction Board of Appeals and a licensed Master Electrician. Gary's career includes working as a journeyman electrician on residential, commercial, and industrial projects; past owner of an electrical contracting and service company.

Michelle Kam-Biron, P.

Licensed structural engineer, California; Director of Education for the American Wood Council (AWC) where she oversees and develops continuing educational resources related to structural wood for architects, engineers, and code officials; over 20 years' experience managing, designing and plan reviewing a wide range of projects of various structural materials; President-elect of the Structural Engineers Association of Southern California.

David Kerr

Deputy Chief/Fire Marshal for Plano Fire Rescue; over 37 years of experience covering municipal and industrial fire protection; serves as an adjunct faculty member at the National Fire Academy, Collin College and Texas A&M; been a technical committee member of NFPA's National Fire Alarm Code for over 25 years and serves as a board member for the International Fire Marshals Association; member of several national fire service organizations, and the national metro chair to the US Fire Administrations Fire Prevention Advocacy and Resources Data Exchange, also serves as chair of the Regional Code Correlating Committee for the North Texas Council of Governments serving the Dallas/Fort Worth Metroplex.

Norman Kieke

Norman Kieke has been a Program Specialist IV in the Architectural Barriers Program with the Texas Department of Licensing and Regulation since September 2008. 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.

Brett King

Plan Review & Permitting Manager and Assistant Building Official with the City of Carrollton; ICC Certified Building Official, Plans Examiner, Fire Inspector II, Permit Technical, Accessibility Inspector/Plans Examiner.

Jeff Kortan, P.E.

Director of Engineering at Foundation Supportworks, Inc.; former consulting geotechnical engineer in Cincinnati, Ohio and Omaha, Nebraska

Scott Krause

Regional Retail Food Specialist for the Food and Drug Administration.

James Lake

National Fire Sprinkler Association ; Vice President of Training and Communications NFSA; over 25 years experience in fire protection including code enforcement, fire sprinkler industry representation and codes and standards administration.

Kenneth Larsen

Kenneth G. Larsen, CBO, is President and CEO of National Code Consultants, a corporation specializing in Building, Fire & Life-Safety, Public Administration and Expert Witness Testimony consulting services. National Code Consultants' provides services for public sector entities, inclusive of local municipalities, fire districts, state government agencies and Native American Tribal Nations and Fortune 500 Companies. As a featured speaker at over one hundred conferences annually, he brings in excess of twenty-eight years of public sector experience; held nationally elected positions as Chairman of the Board of Directors for the International Conference of Building Officials (ICBO) in 1999 and the International Code Council (ICC) in 1998. His entertaining and informational messages address thousands of conference attendees on subjects involving the IBC, IRC, IFC, Fire & Life-Safety principles, Mechanical & Plumbing codes, Management skills and Legal Aspects of Code Administration.

Alan Lathrom

Alan Lathrom has been practicing law for more than twenty-four years, and has been advising cities regarding land use issues for more than fourteen years. Alan strives to utilize a collaborative common sense approach to the legal questions and issues faced by Texas towns and cities regardless of whether the city is a home-rule or general law city. Alan's practice focuses on the day-to-day representation of municipalities in state and federal litigation and state and local governmental law with expertise in advising elected and appointed officials, drafting ordinances, open meetings, code enforcement, competitive bidding, government contracts, and land use including annexation, impact fees, rough proportionality, signs, takings, eminent domain, platting and municipal zoning law.

Alan joined Brown & Hofmeister in 2004 after serving almost seven years as an assistant city attorney for the City of Arlington as a contracts attorney, land use attorney, and trial attorney. Three of Alan's seven years with the City of Arlington were served as the City's land use attorney. Prior to joining the Arlington City Attorney's office, Alan worked as a trial attorney for eight years in the state and federal courts handling a broad variety of cases ranging from insurance coverage cases to automobile intersection collision cases to contract cases to environmental and toxic tort litigation. In January of 2008, Alan was named as a partner in the law firm of Brown & Hofmeister.

Alan has provided training to a number of City Councils, Boards and Commissions on a variety of topics relevant to municipalities. Alan has also made various presentations regarding topics ranging from annexation to impact fees to land use to takings and eminent domain to newly elected officials training. Alan has provided these presentations to various groups including the Dallas Section of the Institute of Traffic Engineers, the North Central Texas Council of Governments, the Texoma Council of Governments, the Texas Chapter of the American Planning Association, and the UT Land Use Planning Law Conference. Alan is a member of the State Bar Associations of Texas and Georgia, the Texas City Attorney's Association and the International Municipal Lawyers Association.

Michael Lee, P.E.

Principal of Wiss, Janney, Elstner Associates, Inc.; structural engineer; area of expertise includes investigation and repair of buildings and other structures. Licensed professional engineer since 1986; chair and member of various ACI, PCI, and SEAoT technical committees.

INSTRUCTOR PROFILES

Harold Leeman	Director of Facility Planning and Construction at TCU. Bachelor of Arts and Science from United State Military Academy, plus MSCE (Structures) and (Construction Engineering and Management) from Stanford University. Active in SAME, TSPE, SCUP, USGBC and ASCE.
Melissa Lindelow	Melissa Lindelow is a partner with Shupe, Ventura, Lindelow & Olson, PLLC, a law firm that focuses on land use law, including issues related to platting, zoning, sign regulations, local permits, annexation, vested rights, development agreements, water districts, infrastructure funding, impact fees, eminent domain, urban gas drilling, and economic development incentives. Ms. Lindelow attended the Texas Tech School of Law, where she served as an editor of the Law Review and graduated summa cum laude and first in her law school class. Prior to practicing law, Ms. Lindelow earned a Master of City and Regional Planning degree, and was employed as a Chief Planner for the City of Dallas.
Colin Lobo, P.E.	Colin Lobo is Senior Vice President at the National Ready Mixed Concrete Association. He is an active member of several committees on ACI and ASTM, including ACI 318, Building Code, ACI 301 Specifications and ASTM C94 Specifications for Ready Mixed Concrete. He has a Ph.D. from Purdue University and is a licensed engineer in the state of Maryland.
Keith Lofland	Education, Codes and Standards Coordinator; serves as Seminar Specialist for IAEI; Former Chief MEP Inspector for City of Garland. 23+ years experience as Electrical Inspector; Master Electrician license for Dallas County area and State of Texas; Electrical Inspector Certifications from IAEI and ICC.
David Lynam	Fire Marshal and Deputy Building Official for Kitsap County in Washington State; manages all aspects of the county's building and fire plan review, inspection and enforcement programs; graduate of the NFA's Executive Fire Officer Program; in fire service since 1985 serving in a variety of capacities including firefighter, company officer and administrator; a frequent lecturer on developing and implementing customer driven performance measures and a recent recipient of the National Association of Counties Achievement award for the county's permitting process.
James Mack, P.E.	CEMEX - Director, Market Development; works with state DOT's, cities, counties and other specifiers and professionals to identify and develop cement and concrete opportunities and improved concrete pavement designs for highway, airports, streets, parking lots, and other applications; 24 years of pavement engineering experience with expertise is in concrete pavement design, rehabilitation and maintenance; construction; forensic evaluation; pavement management; materials specification and evaluation; and life cycle cost analysis and life cycle assessment (environmental impact).
Eric Makela	Eric Makela's building energy codes expertise spans 25 years, numerous states, and several foreign countries. Makela served on the ICC IECC Code Development Committee for four cycles. He now represents the Northwest Energy Codes Group in developing IECC code change proposals. In addition he represented DOE on a team that developed a commercial code change proposal for the IECC that resulted in a 20% increase in efficiency over earlier codes. Makela served as a senior member of the U.S. DOE Building Energy Codes Program where his focus was on outreach and education to states and national stakeholders including the International Code Council, Building Code Assistance Project and the Regional Energy Efficiency Organizations. He also was a principal contributor to the 90% Compliance tools development effort which included field training for data collectors. Makela also oversaw their IECC Code Development effort for both commercial and residential buildings. Over his career Makela has trained in over 20 states, including New York, Pennsylvania, New Jersey, and Maryland, to the building, design and enforcement industry in a variety of venues; he has provided technical assistance nationally on energy code related issues to the building, design and enforcement industry for both residential and commercial projects. He has also participated in, or managed training program development for training programs, tools and documents supporting the IECC including the development of MECcheck and COMcheck tools, IECC Inspection videos, training programs and curriculum development for Utah, Nevada, California, Idaho and Colorado. Makela also served as the Technical Director for the California Building Codes Institute where he was responsible for training over 500 jurisdictions on enforcement of California's Title 24 energy code. He was a recipient of the 2009 Jeffrey A. Johnson Award and was the 2008 Canyon County Habitat for Humanity Volunteer of the Year. Eric has a B.A. in environmental studies from Sonoma State University and an M.A. in education from California State University, Sacramento
Bill McGovern	NFPA Code Chairman; 22 years experience in electrical code enforcement; national instructor for IAEI and ICC; represents IAEI as a member on the Code Making Panel; over 20 years of experience teaching the NEC.
Steven Meyer, J.D.	Assistant City Attorney and Municpal Prosecutor with the City of Arlington. In addition to his current position, he previously worked as the Assistant Police Legal Advisor for the City of Arlington and the Arlington Police Department; prosecuted numerous Arlingotn code violation offenses and represented the City of Arlington in high-profile and complex dangerous and substandard structure hearings; routinely advises Arlington's Code Compliance Services Department on code-related matters.
Bob Morgan	Bob D. Morgan is a Professional Engineer in Texas licensed in Fire and in Mechanical Engineering disciplines and is the Senior Fire Protection Engineer for the Fort Worth Fire Department for over 10 years now. He is a Principal Member of the IBC Fire Safety Committee, as well as six different NFPA Technical Committees, including NFPA 13, 14, 16, 22, 30, and 72. He is the Chair of the Fire Advisory Board to NCTCOG, and he also sits on the Fire Protection Research Foundation review panel for water supply adjustments.
Rob Morgan	President of Sunbelt Pools, a commercial pool construction and service company; instructor for the Certified Pool Operator course, Aquatic Facility Operator Course and a Certified Building Professional; contributed to the Model Aquatic Health Code and has been a frequent technical advisor to health codes on pools including the Texas Department of Health Services.

INSTRUCTOR PROFILES

Frank Morris	With over 40 years experience in the construction and code industry, Frank is a nationally recognized instructor when comes to all construction codes. Frank 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 – a industry wide noted online code training and study aids website.
Samantha Morrow	Garland Building Inspection Department; ICC Permit Technicians Ad Hot Committee; experience with multi-family industry, rehabilitation projects and new construction properties.
Chris Mundell	Project architect at Gensler. Experience includes a variety of architecture projects for past 20 years. Chris managed the sustainability services of 12 LEED certified projects, including two platinum certified for UNT Apogee Stadium and HKS Headquarters. Member of Board of Directors for USGBC North Texas Chapter.
David Muzzy	David has a BS and MS in mechanical engineering from UT Arlington. He is the Energy Manager for TCU, responsible for monitoring the electrical, natural gas and water budgets. His focus is on reducing the overall Energy Utilization Index for the campus. David also reviews construction plans and specifications for compliance with HVAC and plumbing codes/standards.
Mohammad Najafi	Director of the Center for Underground Infrastructure Research and Education (CUIRE) at the Department of Civil Engineering at The University of Texas at Arlington; founder and Editor-in-Chief of the ASCE Journal of Pipeline Systems Engineering and Practice; research interests are in the area of pipelines and underground infrastructure systems construction, renewal and management, with utilization of innovative methods, and trenchless technology; frequently trenchless technology and pipeline design and construction consultant and expert witness.
Mark Ode	Staff Engineering Associate at the Underwriters Laboratories Research-Triangle Park, North Carolina; Regulatory Services Department, past Senior Electrical Specialist for the NFPA: former staff liaison and secretary to the NFPA Electrical Equipment in Chemical Atmosphere Committee; Executive Secretary for the NFPA electrical section.
James Patterson	City of Euless; front line supervisor for Code Compliance; oversees Code Compliance, Health Inspections, and Multi-family Housing Inspections.
Jamie Perkins	Jamie Perkins has a Masters of Education in Counseling, holds teacher certifications with the State of Texas, is an instructor for the National Fire Academy, and has over 14 years experience in working with fire and life safety programs. She coordinates the States Youth Firesetting Prevention and Intervention training program, and works closely with fire departments across the state assisting with implementation of safety programs.
Harry Persaud	Chief Planning Official City of University Park; 32 years of experience in municipal planning and development; Chartered Member of the Royal Town Planning Institute, London since 1978.
Michael Peterson	BSCE from Texas A&M University; 15years of experience in civil engineering, professional land surveying, site development, and public infrastructure. Work experience has been centered around large commercial developments throughout the DFW Metroplex. Licensed Professional Engineer and Registered Professional Land Surveyor in the State of Texas. Currently Project Engineer with Graham Associates, an award-winning surveying and engineering consulting firm founded in 1972 with offices in Arlington, Ft. Worth and Frisco.
Karen Peycke	EPA Region VI Land Revitalization Coordinator, promoting Ready-for-Reuse for RCRA and Superfund sites, green remediation, renewable energy, urban agriculture and community garden. Bachelor of Geoscience from UT Dallas.
Mike Phillips	Director of Inspections for Childress Engineering Services; worked at the cities of Abilene and Plano; Former Building Official for City of Wylie; Certified Building Official, Building Inspector, Plans Examiner, and Residential Energy Inspector/Plans Examiner; State licensed Plumbing Inspector.
Robert Posey	Program Manager for TDLR Architectural Barriers Program. He is instrumental in the development and monitoring of program activities related to TDLR staff and Registered Accessibility Specialists (RAS) licensed by the department. Robert also assists in the development, implementation, and execution of Administrative Rules, procedures and the Texas Accessibility Academy presented by the department.
Jeffrey Posival	
Robert Puckett	
Shelton Riley	Assistant Director of Facilities Services/Physical Plant at Texas Christian University. Currently serving on the Board of Directors for DFWAPPA, CAPPA and APPA.
Tim Ryan	Code Administrator, City of Overland Park, KS.
Les Seaton	
Dan Sefko	Dan Sefko, FAICP, is currently the Planning Director at Freese & Nichols. He has a bachelor's of science in architecture from University of Texas at Arlington in 1977. He has a master's in City and Regional Planning from University of Texas at Arlington in 1981. He has over 30 years of experience providing planning services to municipalities across Texas.

INSTRUCTOR PROFILES

Angela Self

ANGELA CALVIN SELF, AICP has over 16 years of experience in urban planning, most recently as the Planning Administrator for the City of Garland, Texas. Her background includes work with the City of Dallas in comprehensive planning, neighborhood planning, and historic preservation. Her recent accomplishments include the completion of the Envision Garland Comprehensive Plan, D.I.Y. Garland, and the Efficiency Idea Book. Self has a bachelor's degree in Urban Studies from Jackson State University and a graduate degree in Urban and Regional Planning from The University of Iowa, with a specialty in housing and community development.

Angela was certified by the American Institute of Certified Planners in 2001. Her presentation experience includes the 2012 American Planning Association Texas Chapter state conference and the 2013 and 2014 Focus North Planning symposia.

Randall Shackelford, P.

Research Engineer/Codes Specialist with Simpson Strong-Tie Company, since 1994; provides technical assistance and training on building codes, wind and earthquake resistant construction, and the use of Simpson Strong-Tie connectors to builders, designers, consumers, and building officials throughout the country; sits on several committees, including the AISI Committee on Framing Standards, the AF&PA Wood Design Standards Committee, the ICC Ad-Hoc Committee on Wall Bracing, and the Federal Alliance for Safe Homes Technical Advisory Committee, and he is on the Board of Directors of the National Storm Shelter Association; participated in damage investigation teams for most major hurricanes to hit the U.S. mainland since 1988, including Hurricanes Hugo, Bob, Andrew, Opal, Fran, Charley, and Katrina; prior to joining Simpson Strong-Tie, worked for 10 years at the Texas Department of Insurance.

Brian Shamburger

Brian is a civil/transportation engineer with a specialty in ADA compliance, traffic engineering, and transportation planning. Brian is a recognized leader in helping municipalities and other Title II agencies conduct ADA self-evaluations and prepare Transition Plans. Brian and his Kimley-Horn team have recently helped the following agencies in this capacity: Frisco, TX; Bryan, TX; College Station, TX; Carson City, NV; Midwest City, OK; Tulsa, OK; Edmond, OK; and the Oklahoma, Virginia, and Tennessee DOTs.

Richard Shellhammer

Representing engineers and architects for over 25 years; evaluated litigation risk in construction projects both large and small; practicing law in Texas since 1982.

James Stallcup, Jr.

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; co-authored nine books and served as technical editor for four; serves on several NFPA committees for the development of electrical codes and safety.

James Stallcup, Sr.

Former Chief Electrical Inspector of Fort Worth, Texas; Master Electrician; Author of 14 Electrical and OSHA books; NEC and OSHA Consultant.

Texas State Board

John Swink, P.E.

Structural Engineer with 40 years of design and detailing experience; with Acme Brick Company focuses on technical training on masonry topics and developing design, details and applications for masonry products.

Wayne Terry, RPLS

Wayne C. Terry is Manager of Surveying Services at R-Delta Engineering, Inc. and has diverse experience in business across disciplines, spanning management and staff development as well as hands-on technology applications, which have set him apart as a well-respected Texas Registered Professional Land Surveyor (RPLS) and Licensed State Land Surveyor (LSLS). He has an extensive technological background in modern high-tech surveying instrumentation. He also has over six years of direct involvement in software development including an early enterprise selling business and technical software nationwide. He has served in businesses of his own and in corporate settings.

Mr. Terry's expertise in creating customized operational procedures which assure compliance with the legal aspects of land surveying as well as precision and accuracy standards has resulted in very well-respected work products. He is currently introducing ground-based laser scanning for mapping substations, electrical transmission lines and standard topography using a Leica C-10 scanner with the Leica Cyclone software.

Russell Thornburg

Served as a building technician, field inspector, and plans examiner since 1998, with 30 years of construction and inspection experience, and 17 years of experience as an adult educator; for more than 20 years he was self-employed as a general contractor, and has had many related teaching and volunteer positions; first-hand knowledge of being the homeowner, contractor, field inspector, and plans examiner; teaches building inspection technology classes at community colleges, as well as continuing education seminars in Minnesota for local code enforcers and residential contractors; written and developed residential code seminars, and instructed for municipalities and various code groups, as well as for the International Code Council throughout the United States.

Ty Tipton

President of Tipton Company; manufacturer's representative in the Tankless Water Heater business.

Pat Vandergriff

Degrees in Engineering and Business Administration. 40 years of experience in the construction Industry; 32 years in enforcement of Building, Fire, Plumbing, Mechanical and Electrical and all areas of specialty codes.

Todd Waldvogel

Todd is Associate Vice Chancellor for Facilities at Texas Christian University, responsible for directing the University's Physical Plant, for the operation, maintenance, repair and development of all facilities, building systems, utilities, energy management, landscaping, grounds and pavement, long-range campus planning and the design and construction of new facilities. He holds a BS in Civil Engineering from the US Air Force Academy and a Master of Civil Engineering from Texas A&M University.

INSTRUCTOR PROFILES

Max Weiss	Interim Executive Director Plumbing & Drainage Institute. -Vice President, American Society of Plumbing Engineers [ASPE] Research Foundation, Inc.; Consultant: Jay R. Smith Mfg., 20 years experience in systems and project design relating to pollution control and remediation; involved in biofilm research and application; FOG pollution control; systems design and system analyses, engineering research and writing.
Stacie White	Associate attorney at Taylor, Olson, Adkins, Sralla & Elam; previously a prosecutor at the City of Dallas and currently prosecutes in the City of Euless and the Town of Flower Mound; her goal in prosecuting in municipal court is to seek justice, therefore, she aims to work with defendants and code inspectors together to ensure violations are corrected.
Blake White, P.E.	Project Engineer, Turner Construction Company, San Antonio, Texas (2014); Paving Solutions Engineer, Cemex, Inc., San Antonio, Texas (2015-Present).
Brandi Youngkin	Brandi is currently an assistant city attorney with the City of Plano. Previously she acquired real property for the City of Dallas Water Department, and the Attorney General's Office acquiring property for the Texas Department of Transportation.

Twenty-Third Annual BPI Program Schedule
Nedderman Hall - UT Arlington - May 18 – 22, 2015

NOTE: Nedderman Hall Rooms 100, 105, 106, 109, 110, 111, 112 on Ground Floor around Atrium. Nedderman Hall Rooms 202, 203, & 229 on Second Floor. Woolf Hall Rooms 208, 210, 221 on Second Floor, Rooms 308 and 311 on Third Floor and Rooms 402 and 404 on the fourth floor. GACB Bldg. Rooms 103 and 105. Room 100 in the Geology (Geo-Science)Bldg. Engineering Research Building Rooms 103, 129, 130, 131, 228, 301, 401, and 501. BPI Information Center at Registration Desk in the Southwest corner of Atrium in Nedderman Hall.

Shuttle Service: A UTA shuttle will be available from parking lot # 33 to the Cooper Street Bridge from 7:00am – 9:00am Monday – Friday; Monday – Thursday from Cooper Street Bridge to lot # 33 from 4:30pm – 5:30pm. Friday PM Shuttle will run from 12:00 noon – 1:00 pm.

Monday, May 18, 2015

7:00 - 8:00 AM	**Exhibitor Set Up, Exhibitor Showcase Opens @ 8:00 AM**
7:30 - 8:30 AM	Registration Opens, Coffee & Continental Breakfast ..... Atrium
8:00- 8:30AM	**Exhibitor Showcase Open (Monday, Tuesday & Wednesday only)**
8:00 – 12:00 Noon	**1403A – Understanding Texas Accessibility Requirements 2012 (4 hr course)**
8:00 – 12:00 Noon	**1417A – The Texas Coordinate System (4 hr course)**
8:30 - 10:00 AM	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
10:00 - 10:30 AM	**Break Exhibition Area – Showcase Open**
10:30 - 12:00 NOON	BPI Courses - See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
11:30 - 1:00 PM	Lunch (For Full Day Registrants) – Covered tent area on South side of Nedderman Hall in good weather or in the atrium of Nedderman Hall in bad weather. Use outside seating or classroom seating. **Exhibit Area – Exhibitors' Showcase Open**
11:30 - 12:30 PM	Lunch* – AP Courses – See Curriculum Table
12:00 - 1:00 PM	Lunch* – Other Courses – See Curriculum Table
12:30 - 2:15 PM	AP Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
1:00 – 5:00PM	**1403P – Applying Texas Accessibility Requirements 2012 (4 hr course)**
1:00 – 5:00PM	**1417P – The Survey Professional (4 hr course)**
1:00 - 2:30 PM	Other Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
2:15 - 2:30 PM	**Break - AP Courses – Exhibitors' Showcase Open** ..... Atrium
2:30 - 4:15 PM	AP Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
2:30 - 2:45 PM	**Break – Other Courses – Exhibitor Showcase Open** ..... Atrium
2:45 - 4:15 PM	Other Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)

Tuesday, May 19, 2015

7:30 - 8:30 AM	Registration Coffee & Continental Breakfast ..... Atrium
8:00 - 8:30AM	**Exhibitors' Showcase Open (Tuesday & Wednesday)**
8:00 - 5:00PM	**2802AP – Texas Accessibility Academy – Day 1 of Required 3 Day Course (8 hr course)**
8:00 - 5:00PM	**2817AP – 2015 NFIP Refresher Workshop LID Development & Its Affect on Floodplain (8 hr course)**
8:00 - 5:00PM	**2820AP – Medical Gas Training- Day 1 of Required 3 Day Course (8 hr course)**
8:30 - 10:00 AM	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
10:00 - 10:30 AM	**Break – Exhibitors' Showcase Open** ..... Atrium
10:30 - 12:00 NOON	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
11:30 - 1:00 PM	Lunch (For Full Day Registrants) – Covered tent area on South side of Nedderman ..... Hall in good weather or in the atrium of Nedderman Hall in bad weather. Use outside seating or classroom seating. **Exhibit Area – Exhibitors' Showcase Open**
11:30 - 12:30 PM	Lunch* – AP Courses – See Curriculum Table
12:00 - 1:00 PM	Lunch* – Other Courses – See Curriculum Table
12:30 - 2:15 PM	AP Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
1:00 - 2:30 PM	Other Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
2:15 - 2:30 PM	**Break - AP Courses – Exhibitors' Showcase Open** ..... Atrium
2:30 - 4:15 PM	AP Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
2:30 - 2:45 PM	**Break – Other Courses – Exhibitor Showcase Open** ..... Atrium
2:45 - 4:15 PM	Other Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)

Twenty-Third Annual BPI Program Schedule
Nedderman Hall - UT Arlington - May 18-22, 2015

Wednesday, May 20, 2015

7:30 - 8:30 AM	Registration Coffee & Continental Breakfast ..... Atrium
8:00 - 8:30AM	**Exhibitors' Showcase Open**
8:00 - 5:00PM	**3802AP – Texas Accessibility Academy – Day 2 of Required 3 Day Course (8 hr course)**
8:00 - 5:00PM	**3820AP – Medical Gas Training- Day 2 of Required 3 Day Course (8 hr course)**
8:30 - 10:00 AM	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
10:00 - 10:30 AM	**Break – Exhibitors' Showcase Open** ..... Atrium
10:30 - 12:00 NOON	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
11:30 - 1:00 PM	Lunch (For Full Day Registrants) – Covered tent area on South side of Nedderman Hall in good weather or in the atrium of Nedderman Hall in bad weather. Use outside seating or classroom seating. **Exhibit Area – Exhibitors' Showcase Open. (Showcase closes at 1:00 PM Wednesday)**
11:30 - 12:30 PM	Lunch* – AP Courses – See Curriculum Table
12:00 - 1:00 PM	Lunch* – Other Courses – See Curriculum Table
12:30 - 2:15 PM	AP Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
1:00 - 2:30 PM	Other Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
2:15 - 2:30 PM	Break - AP Courses refreshments in your classroom building
2:30 - 4:15 PM	AP Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
2:30 - 2:45 PM	Break – Other Courses refreshments in your classroom building
2:45 - 4:15 PM	Other Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)

Thursday, May 21, 2015

7:30 - 8:30 AM	Registration Coffee & Continental Breakfast ..... Atrium
8:00 - 12:00Noon	**4401A – Residential Fire Sprinkler Exam – to register go to http://www.tsbpe.sttate.texas.us/**
8:00 - 5:00PM	**4802AP – Texas Accessibility Academy – Day 3 of Required 3 Day Course (8 hr course)**
8:00 - 5:00PM	**4820AP – Mechanical Gas Training- Day 3 of a Required 3 Day Course (8 hr course)**
8:30 - 10:00 AM	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
10:00 – 10:15AM	Break – All courses – refreshments in your classroom building
10:15 – 11:45 AM	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
11:45 - 1:00 PM	Lunch (For Full Day Registrants) All classes – Covered tent area on South side of Nedderman ..... Hall in good weather or in the atrium of Nedderman Hall in bad weather. Use outside seating or classroom seating.
11:30 - 1:00PM	BOAT Business Meeting – N. H., 6th Floor Rady Room (Pg. 36 of on line brochure)
1:00 - 5:00PM	**4417P – Disaster Management, Coastal Floodplain & Ethics in Floodplain Management (4 hr course)**
1:00 - 2:30 PM	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
2:30 - 2:45 PM	Break – All courses refreshments in your classroom building
2:45 - 4:15 PM	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)

Friday, May 22, 2015

8:00 - 8:30 AM	Registration, Coffee & Continental Breakfast ..... Atrium
8:00 - 5:00PM	**5820AP – Medical Gas Exam – (8 hr exam) to register go to http://www.tsbpe.sttate.texas.us/**
8:30 - 10:00 AM	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
10:00 - 10:15 AM	Break – All courses refreshments in your classroom building
10:15 – 11:45 AM	BPI Courses – See Posted Daily Classroom Schedule (Nedderman Hall, Woolf Hall, GACB, ERB)
12:00	Adjourn
2:00PM	Eleventh Annual BPI Golf Tournament

TWENTY- THIRD BUILDING PROFESSIONAL INSTITUTE REGISTRATION FORM

ONLINE REGISTRATION REQUESTED @ WWW.BPI-TX.COM

☞ RETURN THIS FORM ONLY IF REGISTERING BY LAND MAIL ☜

Complete a separate registration form AND course selection sheet for each participant.
Form may be duplicated.

Please **PRINT** the following exactly as you wish it to appear on your name badge:

NAME: _____ Professional Lic. # and type (if applicable): _____

REPRESENTING: _____ PHONE: _____

ADDRESS: _____ FAX: _____

CITY: _____ STATE: _____ ZIP CODE: _____

AIA#: _____ TDLR# _____ RAS# _____ E-MAIL: _____

Profession (Circle): Architect, Attorney, Builder, Bldg Insp., Bldg. Official, Code Enforcement, Consultant, Contractor, Electrical, Engineer, Fire Protection, Government Official, Ins. Adjuster, Mechanical, Permit Tech, Planner, Plans Examiner, Plumbing, Real Estate Insp., Sanitarian, Other: _____

If you require accommodation based on a disability, call the Construction Research Center at 817-272-3701 **prior to 5/4/2015.**
Phone: **(817) 272-3701**, Fax: **(817) 272-2630**, **NEW E-mail: crc@uta.edu** Web: http://crc.uta.edu .

☞ ***NOTICE:*** ALL LAND MAIL REGISTRATIONS POSTMARKED AFTER MAY 8TH , MUST BE CONDUCTED ON-SITE BEGINNING ON MAY 18TH ON A FIRST-COME FIRST-SERVED BASIS WITH AN ADDITIONAL $25.00 FEE PER PERSON.

FEE CALCULATION - CHECK APPLICABLE BOXES

	EARLY BIRD REGISTRATION through May 8, 2015	LATE REGISTRATION May 9th through May 22nd
ATTENDANCE		
Full Day (M,T,W,Th)	□ **$120.00/day**	□ **$130.00/day**
Half Day	□ **$70.00 ½ day**	□ **$75.00 ½ day**
Friday	□ **$65.00 ½ day**	□ **$70.00 ½ day**

☞ **Required 3 Day Medical Gas Training: $400.00** ☜

Late registration fees apply to above select courses.

Half day and full day registration includes: course attendance, course handout materials (if provided), & daily refreshments. Full day registration also includes continental breakfast & lunch. No lunch on Friday. Certificates of completion for CEU'S will be e-mailed to attendees provided the course attendance roster has been **signed and initialed by the attendee.**

TO REGISTER BY LAND MAIL: Complete this registration form & course selection sheets & mail with a check (made out to UTA/BPI) for the appropriate amount to: →→→→→→→→→→→→→→

UTA / BPI
c/o CONSTRUCTION RESEARCH CENTER
U T ARLINGTON
BOX 19347
ARLINGTON, TEXAS 76019-0347

Register as soon as possible. Certain classes will be limited as to the number of participants. Individual classes will be filled on a **first-come, first-serve basis.** Upon receipt, the Building Professional Institute will confirm your registration for the day(s) and course(s) for which you registered. If a selected class is filled, you will be notified by the Building Professional Institute and asked for your alternative choice(s). **COMPLETE REGISTRATION FORM AND BOTH PAGES OF THE COURSE SELECTION SHEETS AND BE SURE TO PRINT YOUR NAME AT THE TOP AND CHECK THE CLASSES YOU WISH TO ATTEND.**

Speaker/Presentation Substitution: The BPI has the prerogative to provide substitute speakers and /or presentations to those advertised in this brochure. **NOTE: Students will not be awarded credit for substituted courses that have not received prior approval from TREC, AIA, TDLR, etc.**

Transportation: The University does not provide transportation to or from the hotels.

Refund Policy: ONLY on-line registrations will be eligible for refunds if written notice of cancellation is received no later than 4/30/15. All other registration cancellations will receive a Letter of Credit, unless due to death or serious illness. $35.00 processing fee will apply to all refunds.

USE REGISTRATION FORM AS INVOICE FOR PAYMENT **WE DO NOT INVOICE**

23rd BUILDING PROFESSIONAL INSTITUTE COURSE SELECTION SHEET

REGISTRANT NAME: (PLEASE PRINT) _____
(LAST) (FIRST) (INITIAL)

CHECK APPLICABLE BOXES - **Please fill out one registration form for each applicant.** Refer to BPI Course Curriculum Table when filling out form to ensure only one class is requested during each time slot. Call (817) **272-3701** or FAX (817) **272-2630** for additional information.

DAY ONE - MONDAY, MAY 18, 2015

AM – CHOOSE ONE (3 HRS.) (4HRS.)

- ☐ 1403A Understanding Texas Accessibility Requirements 2012
- ☐ 1304A Significant Changes in LEED and IGCC
- ☐ 1305A Legal Aspects
- ☐ 1307A IBC Chapter 17 Special Inspection: Roles & Responsibilities of Parties
- ☐ 1310A IBC Chapter 17 Special Inspection: Roles & Responsibilities of Parties
- ☐ 1312A Water Conservation
- ☐ 1316A Planning and Zoning for New Hires
- ☐ 1417A The Texas Coordinate Systems
- ☐ 1318A Foundation Inspections for Residential Building Inspectors

PM – CHOOSE ONE (3 HRS.) (4HRS.)

- ☐ 1403P Applying Texas Accessibility Requirements 2012
- ☐ 1304P Construction Waste Management and Recycling Practices
- ☐ 1307P Optimization Of Concrete Pavement Design/Long Term Performance/Low Costs
- ☐ 1310P Overview of the 2015 IBC- Analysis of Code Changes
- ☐ 1312P Rainwater Harvesting
- ☐ 1316P Ethics for Building and Planning Professionals
- ☐ 1417P The Survey Professional
- ☐ 1318P Basic Inspections for Wood Framed Pier and Beam Floors

OR ALL DAY - CHOOSE ONE (6 HRS.)

- ☐ 1606AP 2014 NEC Illustrated Changes TDLR Course #11197
- ☐ 1608AP Hazard Analysis Critical Control Points
- ☐ 1609AP Major Changes to the 2015 IFC with 2015 NCTCOG amendments
- ☐ 1611AP 2015 IECC Residential Provisions
- ☐ 1613AP Overview of the 2015 IRC – Analysis of Code Changes
- ☐ 1614AP 2012 IBC for the Permit Tech
- ☐ 1615AP Basic Plan Review, Day 1 of a 2 Day Required Class
- ☐ 1619AP Legal and Management Exam Prep for CBO Day 1 of a 2 Day Required Course

DAY TWO - TUESDAY, MAY 19, 2015

AM – CHOOSE ONE (3 HRS.)

- ☐ 2304A Green Specifications
- ☐ 2307A Overview of Concrete Technology and Update on Codes and Standards
- ☐ 2308A Flying, creepy crawly things and how to control them inside a food facility
- ☐ 2309A Proving Your Program's Worth
- ☐ 2310A Overview of Podium Construction, Heights & Areas for Chapter 5 of the 2015 IBC
- ☐ 2316A Neighborhood Planning Best Practices

PM – CHOOSE ONE (3 HRS.)

- ☐ 2304P Healthy Materials
- ☐ 2307P Engineering Ethics 2015 and Construction Litigation
- ☐ 2308P What or Who Dunnit- Foodborne Illness Investigations
- ☐ 2309P Unwanted/False Alarm Reduction
- ☐ 2310P 2015 IBC Fire Resistance Rated Wall Construction
- ☐ 2316P Hydraulic Fracturing in the Barnett Shale

OR ALL DAY - CHOOSE ONE (6 HRS. / 8 HRS.)

- ☐ 2802AP TX. Accessibility Academy Day 1 of a 3 Day Course-RAS Cert.
- ☐ 2605AP ICC Property Maintenance Code
- ☐ 2606AP Commercial Electric Inspections Using the 2014 NEC TDLR # 13194
- ☐ 2611AP 2015 IECC Commercial Provisions
- ☐ 2612AP Multi-Purpose Residential Fire Sprinkler Systems
- ☐ 2613AP Roof to Soil: The Essentials of Structural Building Load Transfer & Design
- ☐ 2614AP Basic Code Enforcement
- ☐ 2615AP Basic Plan Review, Day 2 of a Required 2 Day Course
- ☐ 2817AP FEMA/NFIP Floodplain Management Workshop
- ☐ 2618AP Basic Framing Inspections for Residential Building Inspectors
- ☐ 2619AP Legal and Management Exam Prep for CBO Day 2 of a Required 2 Day Course
- ☐ 2820AP Medical Gas Endorsement Training Day 1 of a Required 3 Day Course

DAY THREE - WEDNESDAY, MAY 20, 2015

AM – CHOOSE ONE (3 HRS.)

- ☐ 3304A Accessibility Class for Required TBAE Education
- ☐ 3305A Legal Aspects
- ☐ 3307A Influence of Structural Failures on Today's Building Codes
- ☐ 3311A Common Sense Approach to Energy Code Compliance
- ☐ 3313A The Lo-Down on Spray Foam – including Thermal and Ignition Barriers
- ☐ 3314A Legal Aspects of Code Administration
- ☐ 3316A Form Based Codes and New Urbanism
- ☐ 3317A Nebraska Furniture Mart – A Case Study

PM – CHOOSE ONE (3 HRS.)

- ☐ 3304P LEED Case Studies
- ☐ 3305P Establishing and or Expanding a Multifamily Inspection Program
- ☐ 3307P Considerations for the Design and Installation of Helical Pile Foundations
- ☐ 3311P Applying the Energy Rating Index Code Compliance Option
- ☐ 3313P Fire Resistance Construction – Two-Family Dwelling & Townhouses: IRC R302
- ☐ 3314P 2012 International Zoning Code
- ☐ 3316P Use of FBC to Regulate Single-Family Developments in Park Cities/Historic Preservation for Economic D
- ☐ 3317P OH! So That's in the TMUTCD? Overlooked Aspects of the Texas Manual on Uniform Traffic Control Devices

OR ALL DAY - CHOOSE ONE (6 HRS./ 8 HRS.)

- ☐ 3601AP Recertification for Plumbing Inspectors / Continuing Education for License Renewal
- ☐ 3802AP TX. Accessibility Academy Day 2 of a Required 3 Day Course-RAS Cert.
- ☐ 3606AP Electric Calculations For Conductor, Ampacities, and Overcurrent Protection TDLR #13193
- ☐ 3608AP Public Health Protection from Cross-Connections
- ☐ 3609AP Youth Fire Setting Prevention & Intervention Level I & II Overview
- ☐ 3610AP Special Topics Overview of Chapter 6, 8, and 12 of the 2015 IBC
- ☐ 3612AP Commercial Mechanical Inspections and 2015 Updates
- ☐ 3615AP Electrical Plan Review
- ☐ 3618AP Basic Electrical Systems for Residential Electrical Inspectors
- ☐ 3619AP Building Codes and Standards Exam Prep Day 1 of a Required 2 Day Course
- ☐ 3820AP Medical Gas Endorsement Training Day 2 of a Required 3 Day Course

23rd BUILDING PROFESSIONAL INSTITUTE COURSE SELECTION SHEET

REGISTRANT NAME: (PLEASE PRINT) _____

(LAST) (FIRST)

CHECK APPLICABLE BOXES - **Please fill out one registration form for each applicant.** Refer to BPI Course Curriculum Table when filling out form to ensure only one class is requested during each time slot. Call (817) **272-3701** or FAX (817) **272-7575** for additional information.

DAY FOUR - THURSDAY, MAY 21, 2015

AM - CHOOSE ONE (3 HRS.)(4 HRS.)	PM – CHOOSE ONE (3 HRS.) (4 HRS.)
□ 4401A Residential Fire Sprinkler Exam-to register http://www.tsbpe.state.tx.us/ □ 4304A Water Efficiency □ 4307A National Design Specifications and Code Essentials for Wood Construction □ 4310A Means of Egress – Chapter 10 of the 2015 IBC □ 4312A Grease Traps/Interceptors 2015 Updates □ 4314A Residential Field Inspections □ 4315A Mechanical Plan Review □ 4316A TML Updates - Legal Issues for Planners and Engineers □ 4317A Rehabilitation of Water and Sewer Pipelines Using Trenchless Technologies □ 4318A Basic Plumbing Systems for Residential Plumbing Inspectors	□ 4304P Low-Impact Landscape Design □ 4307P Wind/Seismic Resistant Design Using the 2012 IBC □ 4310P Special Topics Overview of Chapter 24, 29, and 30 of the 2015 IBC □ 4312P Inspecting and Installing Condensing Tankless Water Heaters □ 4314P Field Trip to Local Area Residential Construction Site □ 4315P Plumbing Plan Review □ 4316P Planning and Public Health □ 4417P Disaster Management, Coastal Floodplain & Ethics in Floodplain Management □ 4318P Field Inspections

OR ALL DAY - CHOOSE ONE (6 HRS./ 8 HRS.)

□ 4802AP TX. Accessibility Academy Day 3 of a Required 3 Day Course-RAS Cert. □ 4605AP IRC Overview For Code Enforcement Personnel □ 4606AP Grounding and Bonding 2014 NEC TDLR Course #12664 □ 4608AP Rodent Management □ 4609AP Changes to the 2013 Edition of NFPA 13 □ 4611AP Renewable Energy Sources, Solar and Wind	□ 4613AP Residential Electrical Provisions – GFCI, AFCI, and Other Topics □ 4619AP Building Codes & Standards Exam Prep Day 2 of a 2 Day Required Course □ 4820AP Medical Gas Endorsement Training Day 3 of a 3 Day Required Course

DAY FIVE - FRIDAY, MAY 22, 2015

AM ONLY - CHOOSE ONE (3 HRS. / 8 HRS.)

□ 5303A Understanding ADA Title II Transition Plans (Same as 5317A) □ 5304A Green Building Tour (Same as 3516A) □ 5305A Effectively Impacting Your Neighborhood □ 5306A Hazardous Locations □ 5307A Masonry Walls and Energy Performance □ 5308A Pools- What is new and what is old but still good □ 5309A Access Control (Same as 5310A & 5315A) □ 5310A Access Control (Same as 5309A & 5315A) □ 5313A Residential Storm Shelter (Same as 5319A) □ 5314A How to Study/Prepare/Pass Your Permit Technician Certification Exam □ 5315A Access Control (Same as 5309A & 5310A) □ 5316A Green Building Tour (Same as 5304A) □ 5317A Understanding ADA Title II Transition Plans (Same as 5303A) □ 5318A Residential Final Inspections	□ 5319A Residential Storm Shelter (Same as 5313A) □ 5820A Medical Gas Exam (8hr Exam)– to register: http://www.tsbpe.state.us.us/

SIMPSON Strong-Tie™

11th Annual NTCICC BPI Golf Tournament

Presented by NTCICC
Friday, May 22, 2015
(Information is subject to change)

http://riverside-golfclub.com

Cost: $70/player (includes cart, lunch, dinner, and door prizes) First 120 paid participants are guaranteed participation

Location: Riverside Golf Course
3000 Riverside Parkway
Grand Prairie, TX 75050
Phone: 817-640-7800

Time: 1:30PM – 2:00PM: Registration, Lunch, and Range Balls

2:00PM: Shotgun Start

Contest:
- Closest to the hole
- Longest drive

For registration form, questions, and concerns, please contact Lawrence Crow at 972-880-9913 or lcrow@cityofirving.org

BUILDING OFFICIALS ASSOCIATION OF TEXAS

The Building Officials Association of Texas is a proud partner of the 2015 23rd Building Professional Institute. The Board of Directors will be in attendance during the institute and would like to hear your thoughts on how we can improve future development and enforcement of codes throughout Texas. BOAT is proactive at both the state and federal levels. We monitor legislative activity to ensure our members are represented and participate closely in the ICC code development process. Be certain to be a part of our future: "Together We Are Building a Stronger Texas."

BOAT Business Meeting at 23rd BPI Arlington

Thursday, May 21, 2015 at 11:30 a.m. N. H. 6th Floor, Rady Room

As another portion of the BOAT Board of Directors goal of offering greater access to the membership, we are having our SECOND BOAT Board Business Meeting at BPI Arlington. The Board is proud to provide this new opportunity for more membership access while attending BPI. This business meeting is for our current members, the many new members who join during BPI, and those persons interested in joining BOAT. We will be providing a separate lunch line for those who provide us an RSVP at the BOAT exhibitor booth across from the BPI registration table.

- 11:30 a.m. general discussion – introductions
- 12:00 Noon prompt start of Business Meeting – 1:00 p.m. adjourn

Please be certain to RSVP with any of the BOAT Board of Directors to secure your lunch.

If you have any questions, feel free to contact Lawrence Crow at 972-880-9913 or any of the BOAT Board of Directors.