

Beehive Chapter of ICC



Annual Spring Training *April 23 thru April 25, 2018*

**Utah Valley Convention Center
220 W. Center Street
Provo, Utah 84601**



**PREFERRED
EDUCATION
PROVIDER**

*The Beehive Chapter is an approved
ICC Preferred Provider.*



*Partial funding by Utah Division of
Occupational & Professional Licensing*

Welcome Message

Beehive Chapter Members, Associates, and Friends,

The Beehive Chapter Board would like to invite you to attend our annual spring training event. We have worked throughout the year to assemble a team of instructors that will be both informative and interesting.

This is an opportunity for those of us working in the construction industry to meet with other professionals and instructors to fine tune our skill set. Our field is ever-changing and we have to constantly be looking for ways to improve our knowledge. The training offered at this event is a fantastic value and we look forward to seeing you all there.

The conference will be held at the Utah Valley Convention Center in Provo Utah. We have a great schedule in place for breaks and lunches that are all provided as part of the registration fee. The list of vendors scheduled to attend continues to grow and we will have some great door prizes that will be raffled off.

John Little

Beehive Chapter President

About our Annual Spring Training

- Registration will begin at 7:30 A.M. each day with classes beginning promptly at 8:00 A.M.
- Learn from both national and local experts on several topics related to the State of Utah adopted codes.
- Breakfast, lunch, and refreshments during breaks will be provided.
- Partial funding for this conference has been provided by the Division of Occupational & Professional Licensing (DOPL) from the 1% surcharge funds from all building permits.

Training Registration

Registration for this year's conference must be completed online by clicking the link below. **Please be aware that you must register each participant separately.** The cost for registration is \$85.00 per day or \$225.00 for all three days. Fee includes classes, associated handouts, catered lunch, and two breaks each day.

Registration Link:

<https://form.jotform.com/73316202373145>

Please be aware that you will need to select the classes you are planning on attending (see the schedule in the middle of this packet).

If paying by check, after registering online, please make your check payable to the Beehive Chapter and mail your registration to...

Beehive Chapter Registration
Attn: Paul Ashton, Treasurer
56 North State Street
Orem, Utah 84057

For questions please email Paul Ashton at beehivechaptertreasurer@gmail.com.

About the Conference Facility

The Conference will be held on the third floor of the **Utah Valley Convention Center located at 220 West Center Street in Provo, Utah.** Please see below for driving directions to the conference center.

From Salt Lake

- From Interstate I-15 take Center Street (Exit 265) toward Provo, and stay straight to go onto Center Street.
- The Convention Center will be on the left.



FREE PARKING

PAID PARKING

FREE AFTER 5:00 PM

 Utah Valley
Convention and Visitors Bureau

About the Conference Facility

UTAH VALLEY CONVENTION CENTER PARKING

Main Entrance: 220 W Center Street, Provo, UT 84601

North Entrance: 95 N Freedom Blvd, Provo, UT 84601

- 1 UVCC Lot [Surface Parking]**
250 W 100 N, Provo, UT 84601
Free - 41 spaces
- 2 Courthouse Lot [Surface Parking]**
150 N Freedom Blvd, Provo, UT 84601
Free - 232 spaces
- 3 Provo Marriott [Parking Garage]**
70 N 100 W, Provo, UT 84601
\$10 per day (non-hotel guests) - 349 spaces
6' 6" Clearance
- 4 Provo Town Square [Parking Garage]**
60 N 100 W, Provo, UT 84601
\$2 per day (top level, unmarked) - 221 spaces
7' 0" Clearance
- 5 Provo Power Lot [Surface Parking]**
225 N Freedom Blvd, Provo, UT 84601
Free - 200 spaces
- 6 City Center/Police [Surface Parking]**
400 W 100 S, Provo, UT 84601
Free - 216 spaces
- 7 Wells Fargo Center [Parking Garage]**
65 E 100 N, Provo, UT 84601
Free - 508 spaces
7' 8" Clearance
- 8 Health & Justice [Surface Parking]**
50 E 100 S, Provo, UT 84601
Free - 100 spaces
- 9 Health & Justice [Parking Garage]**
39 E 200 S, Provo, UT 84601
Free - 450 spaces
7' 0" Clearance
- 10 NuSkin Building [Parking Garage]**
140 W 100 S, Provo, UT 84601
Free after 5:00 PM - 450 spaces
8' 0" Clearance
- 11 NuSkin [Surface Parking]**
257 W 100 S, Provo, UT 84601
Free after 5:00 pm - 127 spaces

Parking
info

Monday, April 23, 2018 - course description

2015 IRC: Mechanical, Plumbing & Electrical Inspections

BASIC TRACK

Instructor: George Williams

This course will focus on the mechanical, plumbing and electrical provisions of the 2015 IRC. Many inspectors have one or two core competencies; however, maintaining a good grasp of code requirements in other areas may be more difficult. This course will serve as a refresher course for the most applicable MEP related provisions of the code, as well as touching on the changes to the 2015 IRC. Topics covered will include new bath fan requirements, gas line sizing, appliance venting, combustion air, dryer vents, AFCI requirements, conductor sizing, plumbing vents, new DWV testing provisions and energy code updates.

2014 NEC: Commercial Installations and Inspection Requirements

INTERMEDIATE TRACK

Instructor: L. Keith Lofland

Review and understand the basic fundamental inspection techniques for electrical systems as they apply to commercial locations. Code references along with illustrations and photos make this a must for inspectors tasked with this responsibility. Topics will include general requirements, underground rough-in, wall rough, ceiling rough, branch circuits, equipment grounding and bonding, electrical services, feeders, transformers, HVAC equipment, emergency systems, and final inspections.

2014 NEC: Electrical Plan Review

ADVANCED TRACK

Instructor: Chris Jensen

This course will cover the process of electrical plan review. This course will use the NEC as a basis and follow step by step the process of performing an electrical plan review. Using a power point format each step will be broken down and discussed using the NEC and some example electrical plans. One-line diagrams, overcurrent device and conductor sizing, wiring methods and luminaires will all be discussed from a plan review standpoint.

2015 IFC: High Piled Combustible Storage (half day)

2015 IFC: Hazardous Materials (half day)

FIRE SAFETY TRACK

Instructor: Terrell Stripling

This course, taught by Terrell Stripling, provides a detailed understanding of the hazards associated with the high piled combustible storage by introducing contractors, designers, inspection and fire professionals to Chapter 32 of the 2015 IFC. Attendees will learn to use the commodity classification system, identify various storage methods, describe how each storage method contributes to fire behavior, and understand the application of NFPA 13 in high pile storage to high pile storage.

Tuesday, April 24, 2018 - course description

2015 IRC: Performing Residential Building Inspections

BASIC TRACK

Instructor: John Gibson

This seminar provides building inspectors with fundamental knowledge necessary to administer and enforce applicable code requirements from the 2015 IRC, which apply to foundation and final residential building inspection. Specifically, the course provides participants with the checklists that enable those performing foundation and final residential building inspections to determine whether the materials, design, construction, installation and location of building components comply with the code.

Utah State Code Amendments to 2015 IRC and 2015 IBC

INTERMEDIATE TRACK

Instructor: Chris Kimball

The purpose of this class is to explain in detail the requirements included in Title 15A, the State of Utah's Construction and Fire Codes Act. This course will discuss the state's process of adopting codes as well as the path for creating state amendments. A significant portion of time will be spent covering the specific statewide amendments for the IBC, IRC, IPC, IMC, IFGC, NEC, IEBC, and IFC. As part of this course we will also discuss some likely changes to these amendments, such as a new update to the statewide snow loads. Time will also be spent covering the requirements for factor built units and modular units as well as the provisions for sealing plans and incidental practice for architects and professional engineers.

2015 IBC: Complete Commercial Plan Review - Day 1 - Architectural

ADVANCED TRACK

Instructor: Todd Snider

This is the 1st day of a 2-day class that will cover how to perform a complete plan review of a commercial project. The architectural portion of the plan review will address the following topics: administration, code analysis (i.e. occupancy classification, type of construction, location on the property, allowable areas & heights, etc.), fire & life safety (fire resistance, fire protection, exiting, etc.) and accessibility. Sample plan review comments will also be included in the course notes.

Applying the Fire & Life Safety Requirements of the IFC to Multi-Family

FIRE SAFETY TRACK

Instructor: Terrell Stripling

This seminar will focus on the fire and life safety requirements that the fire plans examiner and fire inspector must understand and apply when reviewing and inspecting multi-family housing (R-2/R-3). This class will exam selected provisions from the 2015 International Fire Code, with the State of Utah amendments that focus on the fire and life safety requirements for these multi-family housing developments and structures. The multi-family occupancies create special circumstances and have unique requirements based on their access, water supply requirements, building types, uses, features and their unique fire and life safety considerations. Upon completion, participants will be better able to understand the scope and application of fire and life safety requirements from the IFC as it applies to multi-family housing.

Wednesday, April 25, 2018 - course description

2015 IRC: Inspections in the Field BASIC TRACK

Instructor: Paul Tidwell

Hands on the in the field study of the 2015 International Residential Code. Learn how to apply our knowledge of the IRC Building Code and Utah State Amendments to the inspections performed in the field. On-site training will focus on the essentials and fundamentals of performing the required inspections of the construction process. Learn how to use the IRC, plans, and other required construction documents to determine what is code compliant and what needs corrections.

2015 IBC: Plumbing & Mechanical Inspections INTERMEDIATE TRACK

Instructor: Brent Taylor

A course outlining the requirements of the International Plumbing Code. Taught by a ICC Certified Master Plumber with over 35 years of experience this class will cover chapters one through ten of the IPC. This course will give an in-depth understanding of water pipe sizing, venting and drainage requirements, and more.

2015 IBC: Complete Commercial Plan Review - Day 2 - Structural & MEP ADVANCED TRACK

Instructor: Mike Molyneux

This is the 2nd day of a 2-day class that will cover how to perform a complete plan review of a commercial project. Half of the day will be spent covering the structural portions of the IBC (Chapters 16-23) and then we will discuss the requirements for the mechanical, plumbing, electrical, and energy provisions of the code. Sample plan review comments will be included in the course notes.

2015 IBC: Allowable Heights and Areas (half day) 2015 IBC: Mixed Occupancies (half day) FIRE SAFETY TRACK

Instructor: Doug Thornburg

Based on the provisions of the IBC Chapter 5, this seminar focuses on how a building's occupancy classification and type of construction relate to the maximum building size permitted by the IBC. The approach to determining a building's maximum allowable height and area is explained, including use of Table 503 and all related permitted increases due to sprinkler protection and frontage open space. Detailed provisions related to mezzanines and unlimited area buildings are also addressed.

As outlined in the provisions of IBC Section 508 this course addresses those special requirements applicable to buildings containing two or more occupancy classifications. The three mixed-occupancy options are presented along with examples and exercises that illustrate the proper application of the provisions.

BEEHIVE CHAPTER OF ICC

ANNUAL SPRING TRAINING

UTAH VALLEY CONVENTION CENTER – PROVO, UT

APRIL 23 thru April 25, 2018

MONDAY, APRIL 23	TUESDAY, APRIL 24	WEDNESDAY, APRIL 25
Basic Track 2015 IRC: Mechanical, Plumbing & Electrical Inspections <i>George Williams</i>	Basic Track 2015 IRC: Performing Residential Building Inspections <i>John Gibson</i>	Basic Track IRC Inspections in the Field <i>Paul Tidwell</i>
Intermediate Track 2014 NEC: Commercial Installations and Inspection Requirements <i>L. Keith Lofland</i>	Intermediate Track Utah State Code Amendments to 2015 IRC and 2015 IBC <i>Chris Kimball</i>	Intermediate Track 2015 IBC: Mechanical & Plumbing Inspections <i>Brent Taylor</i>
Advanced Track 2014 NEC: Electrical Plan Review <i>Chris Jensen</i>	Advanced Track 2015 IBC: Complete Commercial Plan Review – Day 1, Architectural <i>Todd Snider</i>	Advanced Track 2015 IBC: Complete Commercial Plan Review – Day 2, Structural & MEP <i>Mike Molyneux</i>
Fire Safety Track 2015 IFC: High Piled Combustible Storage 2015 IFC: Hazardous Materials <i>Terrell Stripling</i>	Fire Safety Track Applying the Fire and Life Safety Requirements of the IFC to Multi-Family <i>Scott Adams</i>	Fire Safety Track 2015 IBC: Allowable Heights and Areas 2015 IBC: Mixed Occupancies <i>Doug Thornburg</i>

***C.E.U. CERTIFICATES AWARDED FOR ALL CLASSES ***

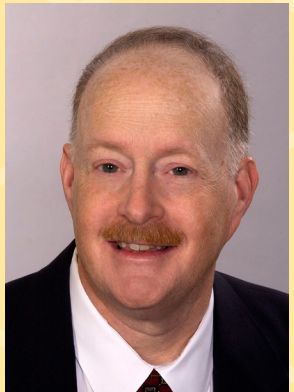
Persons requiring assistance due to disabilities, please contact John Little at (801) 804-4542 by April 17, 2018 so proper accommodations can be made.

Daily Schedule → Registration: 7:30 A.M.; Classes begin at 8:00 A.M. and conclude at 5:00 P.M.; Lunch: Noon-1:00 P.M.; Breaks: 10:00 A.M. & 3:00 P.M.

Instructors



Scott Adams currently serves as the Assistant Fire Chief for the Park City Fire Service District and has a bachelor's degree in Fire Protection Engineering. Chief Adams currently serves on the ICC Fire Service Membership Council, ICC Western Regional Fire Code Action Committee, Technical Committee member on the NFPA-1 Fire Prevention Code, NFPA-101 Life Safety Assembly Occupancy Committee, and NFPA Fire Test Committee. He is ICC certified as a Fire Inspector II and Building Plans Examiner.



John M. Gibson, Jr., MCP, CBO, CPCA, CFM is a Technical Advisor and Instructor for the International Code Council (ICC). A certified Master Code Professional and Certified Fire Marshal; he has forty (40) other certifications, including thirty-three (33) from the ICC. Having earned a BS in Engineering from the University of Delaware, he has also studied Architecture at Georgia Tech and completed courses in Emergency Management and Fire Prevention at the National Emergency Training Center. Formerly the Director of the Department of Permits and Inspections for Frederick County Maryland, he is an ICC Honorary Member, has served on the ICC-Evaluations Services (ICC-ES) Board of Directors, the ICC Code Correlating Committee, the Board of Directors for BOCA International, Inc., Maryland's Governor's Smart Code Strategy Group, Chaired the ICC Board for International Professional Standards and is an Honorary Member and Past President of the Maryland Building Officials Association. He currently teaches ICC administrative, building, residential, existing building, property maintenance, zoning, green building, wildland/urban interface, energy courses, and is a contract instructor at the Dept. of Homeland Security, United States Fire Administration, National Fire Academy, and Emmitsburg, MD. He received the ICC Educator of the Year award in 2010.

Instructors



Chris Jensen was introduced to the electrical trade at an early age. He was in his early teens when he would work summers at his grandfather's electrical contracting company hauling material, digging trenches and performing general labor. In August of 1994 he received his Journeyman electrician's license and in June of 2004 he received his Master electrician's license. From 1990 to 2005 he worked as an electrician, until May of 2005 when he changed hats and became a combination inspector for North Logan City. In January of 2014 he became a Building Official for North Logan City. He has taught the electrical apprenticeship program for Bridgerland Applied Technology College, and is an active member of the Utah Chapter of the I.A.E.I and holds a position on the board. Chris is currently a Principal on Code Making Panel 10 for the NEC and was involved with the development of the 2014 and 2017 NEC.



L. Keith Lofland is the Director of Education, Codes and Standards for IAEI. Keith represented IAEI as a member of Code Making Panel 9 for the National Electrical Code for three Code cycles and currently serves as Chairman of Code Making Panel 7 for the 2020 NEC. Keith serves on NFPA's Electrical Section Executive Committee and is a member of UL's Electrical Council. He is the principal author of several IAEI publications including IAEI's NEC Analysis of Changes, Soares Grounding and Bonding, and IAEI's One- and Two-Family Dwelling Electrical Systems. Prior to his position with the International Office of IAEI, Keith spent 16 years with the City of Garland (Texas) serving as their Chief Electrical Inspector during a 21-year career as an electrical inspector. Keith holds a Master Electrician license from the State of Texas. He also has obtained Electrical Inspector certifications from IAEI, NFPA/IAEI, and ICC. Keith served as Chairman of the Texas Chapter of IAEI in 1989. Keith served as the Secretary/Treasurer for the Texas Chapter-IAEI for 10 years from 1995-2004.

Instructors



Mike Molyneux is a licensed professional engineer as well as an ICC certified building plans examiner and holds multiple ICC inspector certifications. He received his Master's degree from Utah State University with an emphasis in structural engineering. He provides plan review services to many jurisdictions throughout the western United States and has had multiple years of experience in the structural design of a variety of building types and telecommunication structures.



Todd Snider, PE, SE has more than 10 years of plan review and structural engineering design experience. He has performed plan reviews on thousands of projects including various residential, commercial, mixed-use, industrial and hazardous facilities throughout Utah, Nevada, California, and Washington. Todd is a registered structural engineer and has a Master's degree in Civil Engineering with an emphasis in structural engineering. He is also an ICC certified commercial building, energy, accessibility and mechanical plans examiner.



Terrell Stripling is a graduate of the Oklahoma State University with a Bachelor of Science in Fire Protection Engineering and Technology with many years of experience in fire service, fire prevention, code administration and the construction industry. He has previously served in the positions of Department Chair and adjunct professor in the Fire Science Department. A seasoned national speaker for ICC, Terrell combines the theory and science behind code provisions that are used by building industry professionals on a daily basis.



Brent Taylor is an ICC Certified Master Plumber with over 35 years of experience in the family business. He currently teaches a third year plumbing code course at Mountain Land Technology Collage. He has taught in a plumbing apprenticeship program for 26 years. Currently, he is the Front Counter Manager and Building Inspector for Provo City, Utah.

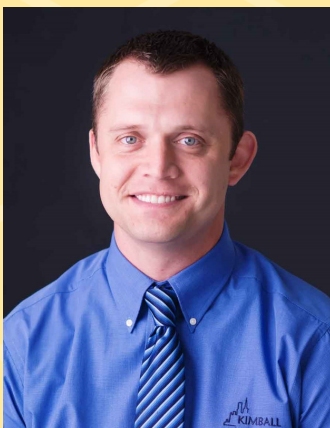
Instructors



Doug Thornburg is currently Vice-President and Technical Director of Products and Services for ICC. Doug continues to provide building code seminars nationally and has developed numerous educational texts and resource materials. He was presented with ICC's inaugural Educator of the Year Award, recognizing his outstanding contributions in education and training. A graduate of Kansas State University and a registered architect, Doug has over 36 years of experience in building code training and administration.



Paul Tidwell has studied and worked in the building safety and construction industry for about 20 years. He has a Bachelor of Science degree from UVU in Technology Management with a dual emphasis in Drafting Technology & Building Construction Management. Paul is a Utah State Licensed Combination Inspector. In 2008 he became the second building inspector in the State of Utah to obtain the distinction of ICC Certified Master Code Professional. Paul is also an ICC Certified Combination Plans Examiner and Certified Building Official. Paul has been involved with ICC Code Change and Development as a representative for the Utah Chapter ICC. Paul has worked for Washington City as a Building Inspector and for the last 12 years for the City of Saratoga Springs as a Building Inspector, Lead Building inspector and Plans Examiner.



George Williams, MCP, CBO has worked in the building safety industry for more than 10 years. He is an ICC Master Code Professional, Certified Building Official, Certified Housing Code Official, Combination Inspector and holds many other UICC certifications. George has been instrumental in the start-up of two building departments including the adoption of codes, implementation of permitting processes, development of policies and procedures, as well as hiring and training of staff.



**REGISTER
TODAY**