



# Beehive Chapter ICC

This newsletter is a monthly publication of the Beehive Chapter of the International Code Council (ICC).

Articles or advertisements appearing herein may be submitted by anyone interested in expressing a viewpoint to the Beehive Chapter membership.

Articles may be submitted to:  
Chris Kimball, Editor  
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(801) 547-8133



## IN THIS ISSUE

- Message from the Board ..... p 1
- Conformity Corner ..... p 2
- Calendar Items ..... p 3
- Feature Article..... p 4
- Annual Spring Conference Flyer

## MARCH PROGRAM

### ***Engineered Wood Products & Trusses***

*Instructors: Steve Richins & Brian Thelin of Stock Components*

Wednesday, March 16, 2016  
Time: 12:00P.M.  
Orem Public Safety Building  
Training Room  
56 North State Street  
Orem, UT 84057

*Next Meeting:*  
Annual Spring Conference  
April 18-20, 2016  
Utah Valley Convention Center

## MESSAGE FROM THE BOARD



Chris Kimball  
Chapter President

There has been a lot that has happened since our last membership meeting in January. Let me get you all caught up on the action...

### **House Bill 316**

Just yesterday, on the final day of the legislative sessions, HB316 was finally passed by both the Senate and the House and has been received for enrolling. What does that mean? It means we are now simply waiting for the governor's signature and beginning July 1, 2016 we will begin to enforce the

2015 I-codes and 2014 NEC. I hope you are all getting ready!

There was a lot of debate in regards to this bill and the Beehive Chapter was active in attending COLA meetings with the other local ICC Chapters, Fire Marshals, IAIE, etc. In the end the bill underwent six official amendments and there was some give and take. We will now be adopting the IRC every other cycle, but the commercial codes will remain on a three-year cycle.

### **Annual Spring Conference**

Our annual spring conference is only one month away. I hope you are all planning on attending. We have some great classes that have been setup and it will help you to prepare for the new codes we will be adopted on July 1, 2016.

We have a record turnout for ...

***(CONTINUED ON NEXT PAGE)***

**BOARD ARTICLE** *(Continued)*

...vendors at this year's event and have also publicized the conference to the Utah Chapter of AIA and have mailed registration packets to all licensed inspector's throughout the state. This year we have arranged to provide breakfast, lunch, and refreshments during the breaks each day. We are expecting a record turnout and hope you will make every effort to attend this great event! *(See the back of this newsletter for more information.)*

**Membership Renewals**

Just as a reminder, our chapter memberships are only effective for one calendar year. We have sent out several notices in regards to membership renewals and not everyone has responded. Thanks to DOPL, our membership fees are very low (\$35/year for most and \$45/year for Class A members). I want to remind you of some of the benefits of your chapter membership...

- You are able to receive these wonderful newsletters every month!

- You will receive a \$20 gift card when attending the annual business meeting at Cabela's every year!
- You will receive the information regarding our monthly meetings.
- You are able to participate with a great group of code professionals!

There are more benefits, but I hope I have underscored the importance of Chapter membership. Starting this next month the monthly newsletters and monthly meeting announcements will only go out to active chapter members. To renew or to register please go to the following link:

<https://form.jotform.com/52777852408163>

Sincerely,

*Chris Kimball*

Chapter President

**CONFORMITY CORNER****Alternative Materials, Design & Methods**

Both Section R104.11 and Section 104.11 of the IRC and IBC, respectively, allow the "building official" to approve alternative materials, designs and methods of construction that are not specifically addressed in the code.

These alternatives are not to be approved unless the "building official" finds them to be "equivalent" to what is prescribed in the code considering quality, strength, effectiveness, fire resistance, durability and safety.

The code further clarifies that research reports or tests may be required in order to substantiate that a particular material, design or method of construction meets this criteria.

What does your jurisdiction require when approving alternative materials, designs, or methods of construction?



**CALENDAR ITEMS**

MARCH 2016						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	1	2	3	4	5
6	7	8 Bonneville Chapter - Monthly Meeting	9	10	11	12
13 Daylight Saving	14	15	16 Beehive Chapter - Monthly Meeting  IAEI - 8 Hour Class 1 & 2 Family Dwellings	17 St. Patrick's Day IAEI - 8 Hour Class 1 & 2 Family Dwellings	18	19
20 Vernal equinox	21	22	23	24	25 Good Friday	26
27 Easter	28	29	30	31	1 April Fool's Day	2

APRIL 2016						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27 Easter	28	29	30	31	1 April Fool's Day	2
3	4	5	6	7	8	9
10	11	12 Bonneville Chapter - Monthly Meeting	13 IAEI - 2 Hour Class "Branch Circuit Wiring"	14	15 Taxes Due	16
17	18 Beehive Chapter Annual Conference	19 Beehive Chapter Annual Conference	20 Beehive Chapter Annual Conference	21	22 Earth Day	23 Passover
24	25	26	27 Admin Assist Day	28	29	30

FEATURE ARTICLE



By: Rob Sears

**Today's Challenges with Tomorrow's Building Inspection Industry**

Joining the Building Inspection industry has been an incredible opportunity for me. It has been a long journey, searching for a career that would not only be challenging for me, but highly rewarding as well.

Becoming familiar with my 2012 International Residential Code required hours of studying and attending early-morning seminars that are now posted on the [www.UtahBuildingInspectors.com](http://www.UtahBuildingInspectors.com) website. That immersion of studying occurred while

I still needed to take care of my responsibilities at home with my wife and four children as well as my regular job's 40 hour work week.

Eventually I earned my first certification. It was exhilarating, but not completely rewarding. I wanted to move quickly to the next certification. I acquired my Residential Plumbing Certification, but knew that having two certifications wouldn't get me to where I really wanted to be: employed as a Building Inspector.

After meeting George Williams, who is also a member of the Beehive Chapter, I learned that 40% of all building inspectors would be retiring in the next few years. I have since been hired as a building inspector by WC3 and have really enjoyed working in this industry!

Studying and preparing for additional certification tests combined with on-site training are proving to be invaluable to me as I prepare to contribute to this industry and fill some of the gap presented by retiring inspectors. I look forward to that on-going challenge

IS YOUR JURISDICTION PREPARED FOR BUILDING SAFETY MONTH?

**BUILDING SAFETY MONTH**



**MAY**

**INTERNATIONAL CODE COUNCIL**

# Beehive Chapter of ICC



## Annual Spring Training

*April 18-20, 2016*

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



*Partial funding for this conference has been provided by the Utah Division of Occupational & Professional Licensing (DOPL) from the 1% surcharge funds on all building permits.*



## Welcome

Dear Beehive Chapter Members, Associates, and Friends:

The Beehive Chapter Board would like to extend an invitation to each of you to join us at our Annual Beehive Chapter Education and Training Conference. The Board has worked hard to put together a great conference this year. Due to positive feedback from attendees the conference will again be held at the Utah Valley Convention Center. It is a state-of-the-art facility with a professional staff that is committed to making our conference the best ever.

As the state will likely be adopting the 2015 codes as of July 1, 2016, we have planned our conference accordingly to provide you with the necessary update classes provided by some of the best national and local instructors available. All classes have been approved by ICC and each attendee will receive preferred provider education credits.

This year we have chosen to provide breakfast in addition to lunch each day in addition to improving what is provided during the breaks. We welcome you and look forward to seeing you at this year's Beehive Chapter Annual Education and Training Conference.

*Chris Kimball*

Beehive Chapter President

## About our Annual Spring Training

- Registration will begin at 7:30 A.M. each day with classes will begin 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.

## Course Descriptions – Day 1

### **2015 IBC SIGNIFICANT CHANGES** *(By: Doug Thornburg)*

This seminar reviews and analyzes selected significant changes from the 2012 International Building Code (IBC) to the 2015 IBC. It familiarizes building officials, fire officials, plans examiners, inspectors, and design professionals with many of the significant changes in the 2015 IBC. It also assists code users in identifying the specific code changes that have occurred and understanding the reason behind the change. Finally, it focuses on those code changes selected due to their frequency of application, special significance, or change in application. This course uses the Significant Changes to the International Building Code 2015 Edition.

### **2015 IECC UPDATES** *(By: Brent Ursenbach)*

This course will review the 2015 IECC, including any amendments adopted by the State of Utah. Also expect a lively discussion regarding frequent challenges and questions in meeting the requirements of the IECC. Specific areas of discussion include: 2015 IECC major changes, Increased Envelope Leakage Visual Inspection and Testing requirements, Definition of a residential or commercial building in the IECC, Climate zones, State amendments, Compliance options (prescriptive, trade off, performance, ERI/HER rating, and Utah specific- the last two being new options), Building thermal envelope (insulation, windows and doors, air leakage), Mechanical systems, Commissioning, Renewable energy, Lighting, Plus any surprises coming out the Legislative Session!

### **LEGAL ASPECTS OF CODE ADMINISTRATION**

*(By: Robert Church)*

This course provides code officials with guidelines for administering the legal aspects of codes with regard to enforcement, prosecution, and maintenance. In this course participants will discuss historical consequences of ignoring the regulation of building construction and materials, and learn how to interpret and apply local government, state, and federal legislative laws pertaining to the administration and enforcement of a building code.

## Course Descriptions – Day 2

### **2015 IRC SIGNIFICANT CHANGES** *(By: John Gibson)*

This seminar reviews and analyzes selected significant changes from the 2012 International Residential Code (IRC) to the 2015 IRC. It familiarizes building officials, fire officials, plans examiners, inspectors, and design professionals with many of the significant changes in the 2015 IRC. It also assists code users in identifying the specific code changes that have occurred and understanding the reason behind the change. Finally, it focuses on those code changes selected due to their frequency of application, special significance, or change in application. This course uses the Significant Changes to the International Residential Code 2015 Edition.

### **2014 NEC UPDATE** *(By: Ryan Jackson)*

There were over 5,000 proposals and 3,000 public comments submitted to create the over 500 changes in the 2014 edition of the National Electrical Code. Join Ryan Jackson as he explains the most important of these changes. This class will focus primarily on Chapters one through four of the NEC, which cover all installations. Chapters five through nine will be discussed briefly, as they relate to specialized installations.

### **FIRE PLAN REVIEWS & INSPECTIONS** *(By: Scott Adams)*

This course will assist the Fire Code Official on the numerous provisions in the 2012 International Fire Code (IFC) applicable to the design, construction, operations, storage, use and handling that may occur within a tenant improvement (TI). This course will address how to do the plan review to identify those areas to gain compliance with the IFC, and to identify and apply the means of egress requirements, identify the occupancy type of a building. This course will also address the process for conducting the fire inspection for the TI, following the provisions and requirements of the 2012 IFC, specifically to determine whether the materials, design, construction, installation, and location of building components comply with the code, and to also explain the importance and benefits of a fire inspections, describe the various types of commercial fire inspections and how to perform the commercial fire inspection for the TI process.

## Course Descriptions – Day 3

### **2015 IPC/IMC/IFGC SIGNIFICANT CHANGES** *(By: Sam Dardano)*

Overviews the changes from the 2012 to the 2015 International Plumbing Code®, 2015 International Mechanical Code®, and 2015 International Fuel Gas Code®. This course identifies changes in organization and code requirements and the applicability of these requirements to design, plan review, inspection, and uses the Significant Changes to the International Plumbing Code, International Mechanical Code and International Fuel Gas Code 2015 Edition.

### **2014 NEC – SOLAR PHOTOVOLTAIC SYSTEMS** *(By: Doug Smith)*

This course is designed to help provide the essentials for a better understanding of how and where the codes address solar photovoltaic (PV) systems. This course will cover the fundamental code requirements of both residential and commercial PV systems. It is designed to start with the basics of photovoltaic requirements and lead the attendees step by step into more difficult concepts while simplifying the requirements. Hands on example components will be presented to help explain some of the code requirements concerning PV systems. This class is designed to aid inspectors, electricians, and design professionals in the plan review process of PV systems.

### **2015 IEBC OVERVIEW** *(By: Chris Kimball)*

The 2015 International Building Code (IBC) no longer has provisions to address existing buildings and instead now refers to the 2015 International Existing Building Code (IEBC) for existing building requirements. This class provides an introduction to the IEBC. It clarifies how the code is laid out and provides specific guidelines for how to use the book. Specific guidelines addressing mandatory structural, fire safety, and accessibility triggers will be discussed. Requirements for repairs, alterations, additions, moved structures, and historic structures will be addressed.

## Sponsors/Vendors

This year's conference will have more vendors than ever! Please remember that these vendors pay to be there and help sponsor our conference and keep our fees down. Please stop by their booths and learn about their products and services. Attendees that are able to visit with each sponsor will be entered into a drawing for prizes on the last day of the conference.

# BEEHIVE CHA

ANNUAL SPRI

UTAH VALLEY CONVENTIO

APRIL 18-

## MONDAY, APRIL 18

## TUESDAY

Class #1

2015 IBC Significant Changes  
*Doug Thornburg*

Class #4

2015 IRC Sign  
*John*

Class #2

2014 IECC Updates  
*Brent Ursenbach*

Class #5

2014 NE  
*Ryan*

Class #3

Legal Aspects  
*Bob Church*

Class #6

Fire Plan Review  
*Scott*

**\*C.E.U. CERTIFICATES AW**

Persons requiring assistance due to disabilities, please contact John Little a

**Daily Schedule** → Registration: 7:30 A.M.; AM Classes: 8:00-Noon; Lunch: M

# CHAPTER OF ICC

ING TRAINING

ON CENTER – PROVO, UT

20, 2016

**Y, APRIL 19**

**WEDNESDAY, APRIL 20**

Significant Changes  
*Gibson*

Class #7

2015 IPC/IMC/IFGC Significant Changes  
*Sam Dardano*

NEC Update  
*Jackson*

Class #8

2014 NEC – Solar PV Systems  
*Doug Smith*

Permits & Inspections  
*Adams*

Class #9

2015 IEBC Overview  
*Chris Kimball*

**RESERVED FOR ALL CLASSES \***

Call (801) 804-4542 by April 2, 2016 so proper accommodations can be made.

AM Classes: 8:00-11:00 P.M.; PM Classes: 1:00-5:00 P.M.; Breaks: 10:00 A.M. & 3:00 P.M.

## Instructors



**Ryan Jackson** is an ICC certified combination inspector. At the age of 23 Ryan landed his first job as an electrical inspector, and subsequently became certified in building, plumbing, and mechanical inspection (commercial and residential), as well as building and electrical plan review. He is a nationally recognized electrical code expert, instructor, and author. He has been involved in writing and editing books on the National Electrical Code, and has taught the subject in multiple states and for multiple colleges and universities.



**Doug Smith, MCP, CBO** has worked in the building safety and construction industries for more than 17 years. He is an ICC Master Code Professional, Certified Building Official, Combination Commercial Plans Examiner, Combination Inspector, Residential Plans Examiner, Accessibility Inspector/Plans Examiner, Fire I and II Inspector, Fire Plans Examiner, and Energy Plans Examiner. Doug is considered an expert on photovoltaic (PV) code requirements and has taught many classes on the subject. He has also developed a variety of template checklists to help the enforcement community better review and inspect PV systems.



**Chris Kimball, SE, MCP, CBO** is the regional manager for Kimball Engineering. He is a licensed structural engineer, and is an ICC certified master code professional, building official, combination plans examiner and combination building inspector. He has performed plan reviews for thousands of projects throughout Utah, Wyoming, Nevada, California, Arizona, and Texas. In addition, Chris has provided numerous training classes to help design professionals, building officials, and contractors alike to understand the requirements of the adopted building codes.



**Sam Dardano** has been in the HVAC industry for 47 years. For 10 years he served as the President of the Colorado Association of Plumbing and Mechanical Officials. He was a Mechanical Plan examiner and the Chief Mechanical Inspector for the City of Boulder, Colorado. He is a past member of the IMC Interpretation Committee and the IMC Code Change Committee. Currently, he teaches entry to advanced level mechanical courses and holds 13 ICC Certifications.

## Instructors *(continued)*



**Doug Thornburg** is a senior staff architect with ICC. His currently serves as the Secretariat for the ICC A117.1 standard committee and has previously served on ICC's Energy Conservation Code and Fire Safety Code Development committees. With more than 25 years of experience in building design, construction, code enforcement and instruction, Jay's experience provides him with the ability to communicate effectively on issues of code application and design for code enforcement personnel as well as architects and designers.



**John Gibson** is ICC's technical manager over education and received the 2010 ICC Educator of the Year Award. John is a full-time instructor and technical advisor for ICC, an online instructor for Red Rocks Community College, and a teacher at the United States Fire Administration's National Fire Academy. He holds 40 professional certifications, previously was the Director of the Department of Permits and Inspections for Frederick County, Maryland, and is an honorary member of ICC and the Maryland Building Officials Association.



**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.



**Robert Church** is the current Director of the Utah Prosecution Council (UPC). He and his staff are responsible for the legal training of all the prosecutors in the state. He provides 8-10 major conferences a year as well as conducts regional training across the state. Prior to that, Bob was a prosecutor for the City of Orem for almost 18 years. In addition to the criminal cases he prosecuted, he handled all the code enforcement cases as well as worked closely with the building department. He has taught several ICC classes on the legal aspects of the code.

# Utah Valley Convention Center

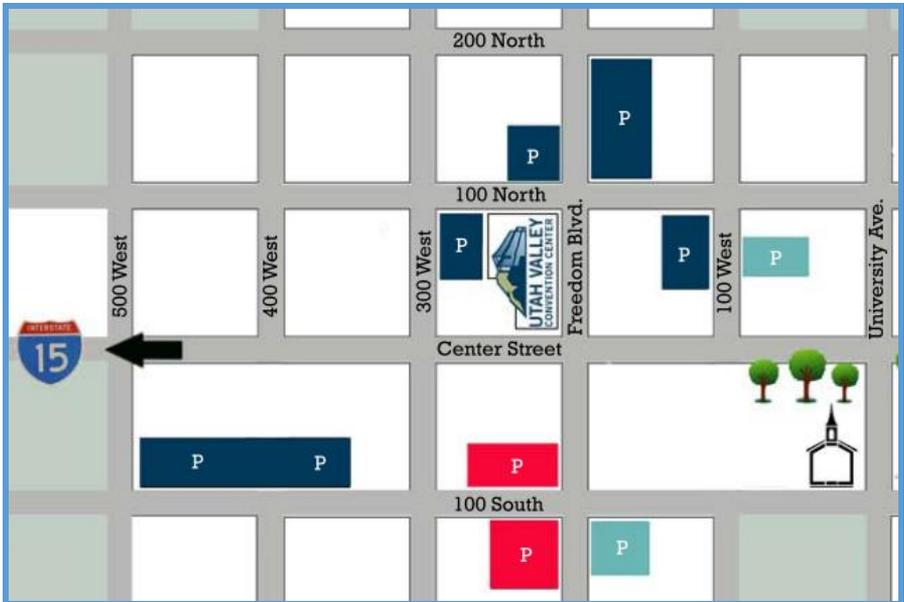
The Conference will be held on the third floor of the Utah Valley Convention Center located at 220 West Center Street in Provo, Utah. Free parking is located behind the conference center as shown in the picture at the bottom of this page. Please see below for driving directions to the conference center.

## From Salt Lake

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

## From St. George

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



## ICC Preferred Provider

The Beehive Chapter is an approved ICC Preferred Provider. As such, all attendees will be able to obtain preferred provider continuing education credits towards the renewal of their ICC certifications.



PREFERRED  
EDUCATION  
PROVIDER

## Registration

Registration for this year's conference must be completed online. The links below allow you to either pay using a check or to pay online using a credit card. 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/53352732622148>

Please be aware that you will need to input the class numbers you are planning on attending (see the schedule in the middle of this packet). We are **no longer able to provide CEU's to General Contractors**, but other contractors (i.e. Electrical, Mechanical, Plumbing, etc.) will need to input their state license information on the registration page for their CEU's.

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 [paul@beehiveicc.org](mailto:paul@beehiveicc.org).

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