

BONNEVILLE CHAPTER

23rd

Annual Fall
Educational Institute

Nov. 8 thru 10, 2016

Utah Cultural
Celebration Center
1355 West 3100 South
West Valley City, Utah

Up to 8 C. E. U.
Credit Hours
awarded per day for:
Architects,
Engineers,
Fire and Building
Departments

Courses Provided by:

New Approved AIA
Courses, earn AIA CEUs

Partial Funding by:



PREFERRED
EDUCATION
PROVIDER



AIA
Utah



DEPARTMENT OF COMMERCE
Division of Occupational and
Professional Licensing

**ABOUT OUR FALL EDUCATIONAL INSTITUTE:
THE RIGHT TOPIC AT THE RIGHT TIME AT THE RIGHT PLACE!**

- Join us for our 23nd annual conference. As always we strive to maintain our tradition of excellent and relevant education at a reasonable cost.
- The conference will be held again at the Utah Cultural Celebration Center located at 1355 West 3100 South. The Utah Cultural Celebration Center is located due east of the intersection of 3100 South and Redwood Road.
- Learn from national and local experts including three ICC seminars, a local engineering firm, and a very well-known independent national instructor.
- Numerous restaurants to choose just a 5-minute drive away. Lunch is on your own.
- Partial funding of this training program has been provided by the Division of Occupational & Professional Licensing of the State of Utah from the 1% surcharge funds from all building permits.
- **ARCHITECTS NOTE:** Once again our educational agenda provides timely classes specifically to help you fulfill all your educational requirements for your license renewal.
- **INSPECTORS NOTE:** With the adoption of the 2015 I-Codes we chose to offer classes to help you make the transition for your plan review and for your field inspections. There is a balanced mix of advanced topics and fundamentals. The residential solar class will help with understating this ever increasingly popular industry.

COURSE DESCRIPTIONS

2015 IBC – Multifamily Buildings

This class will focus on the specific IBC requirements for multifamily dwellings such as apartment complexes. There will be some discussions of podium structures and the new 2015 IBC requirements. The course will include accessibility requirements of IBC 1107 and Chapter 10 of ICC A117.1-09 for Type A and B units. It will also cover some common problems associated with the design of multifamily buildings including fire rating, exhaust systems, construction types, etc. Requirements for accessory structures such as pools and carports will also be discussed.

2015 EXTREME Buildings

There seems to be an influx of unusually large and complex buildings coming into Utah. This class focuses on plan review and inspection of very large and unusual buildings. Because extreme buildings often fail to fit into the prescriptive regulations of the IBC, alternative designs and performance based concepts may be needed. The course will discuss the true intent of the code versus the limiting prescriptive language found within each IBC. The instructor will encourage students to think outside the box when necessary. The ICC Performance Code will be introduced in this session as another tool at your disposal for evaluating performance based design. This class will address plan review and inspection of these unique structures. This course is applicable to building officials, fire officials, plans examiners, inspectors, and design professionals.

2015 IBC Structural Plan Review

2015 IBC Significant Changes

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.

COURSE DESCRIPTIONS CONTINUED

2014 NEC Analysis of Changes

This course is designed to highlight the significant changes that were made in the 2014 NEC. The course will break down the changes and make them easier to understand and implement. Discussion of new Articles, examples of applications of new sections will all be part of this course. This course is designed for new code users as well as the seasoned professional.

2015 IRC Significant Changes

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.

IBC 2015 Means of Egress

This class will present a current overview of the means of egress requirements in the 2015 International Building Code. Major components of the means of egress seem to change with each code edition. This course will explain the three major parts of a means of egress system as well as the eight fundamental design issues regarding the means of egress. Exiting requirements including number of exits required, exit width, travel distance, door swing, panic hardware, door latching devices, exit access stairway provisions v. exit stair enclosures, common path of egress travel, and egress through adjoining spaces will all be addressed. Horizontal exits, egress lighting, and egress from large and small assembly spaces will make for an interesting class. This course is applicable to all building officials, fire officials, plans examiners, inspectors, and design professionals.

COURSE DESCRIPTIONS CONTINUED

2015 IFC and IBC Fire Protection Systems

This seminar is designed to guide participants through the 2015 IFC requirements related to fire protection systems (Chapter 9). These requirements include suppression systems, standpipe systems, automatic fire alarm systems, automatic detection systems and additional fire protection assemblies.

This seminar provides code officials and design professionals with:

- An understanding of the Chapter 9 fire protection system requirements in the 2015 IFC and 2015 IBC.
- The design and operation of various fire-extinguishing and fire detection and signaling systems.
- A review of the applicable National Fire Protection Association (NFPA) standards for fire protection systems.
- The requirements for the inspection and maintenance of fire protection systems.

2015 IBC Use of Fire and Smoke Separations

This seminar identifies the many and varied conditions identified in the IBC where fire and/or smoke separations are required. The discussion will focus on those required locations where fire-resistance-rated wall and horizontal assemblies, as well as smoke-resistive wall and horizontal assemblies are either required by the IBC or utilized by design professionals as alternative approaches to code compliance. Such locations include the selective or mandated use of fire walls, fire barriers, fire partitions, smoke barriers, horizontal assemblies and other separation elements. Specific topics include:

- Separated occupancies
- Control areas
- Incidental use areas
- Institutional and residential occupancies
- Exit ways
- Smoke compartments
- Fire areas
- Separate buildings
- Shaft enclosures

COURSE DESCRIPTIONS CONTINUED

2015 IBC Exit Systems

This seminar focuses on IBC Chapter 10 means of egress components that are defined and regulated as “exits.” These components, defined in Chapter 2, are considered as high-level elements that provide a considerable degree of occupant protection within the means of egress system. The exit discharge provisions will also be discussed. Specific topics include:

- Exterior exit doors at the level of exit discharge
- Interior exit stairways and ramps
- Exit passageways
- Horizontal exits
- Exterior exit stairways and

2015 IFC Significant Changes

This seminar reviews and analyzes selected significant changes from the 2012 International Fire Code (IFC) to the 2015 IFC. It familiarizes building officials, fire officials, plans examiners, inspectors and design professionals with many of the significant changes in the 2015 IFC. 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 Fire Code 2015 Edition.

The 2015 International Building Code (IBC) no longer has provisions to address existing buildings instead it now refers to the 2015 International Existing Building Code (IEBC) for requirements in relation to existing buildings. 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.

COURSE DESCRIPTIONS CONTINUED

2014 NEC – Residential Solar Photovoltaic (PV) Systems

This 8-hour course will focus on the various types of residential solar PV systems. The class will start with the basics of Photovoltaic systems and lead the attendees step by step into more difficult concepts while simplifying the requirements. Systems to be covered include micro inverter systems, string inverter systems, string inverter with DC to DC converter systems, and battery systems. 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. This full-day presentation is based on the 2014 NEC.

COURSE INSTRUCTORS:

Todd Snider, PE, SE

Todd Snider serves as the Plan Review Supervisor for WC3's Utah Operations. He has more than 9 years of experience as a plans examiner and structural design professional. He is a licensed structural engineer and has a Master's degree in Structural Engineering. Todd is certified by ICC as a commercial building, energy, and accessibility plans examiner as well as a commercial building inspector. He has taught courses to many local ICC chapters as well as design professional organizations.

Stephen L. Thomas, CBO

Mr. Thomas has thirty years of experience in working with building codes including plan reviews, inspections and administration. His firm provides building code consulting services for governmental agencies and architectural firms, as well as educational seminars on building codes. Starting a building code-consulting firm in 1999, he has served as the contract Building Official for local jurisdictions in Colorado. Mr. Thomas has served on several ICBO committees and recently served as the Chairman of the ICC Means of Egress Code Development Committee. He is also the author of the book, Building Code Basics, Based on the 2009 &

23rd ANNUAL
FALL EDUCATIONAL INSTITUTE
BONNEVILLE CHAPTER – ICC
CULTURAL CENTER – WEST VALLEY CITY
NOVEMBER 08 – NOVEMBER 10, 2016

| COURSE PATH | NOVEMBER 08 TH TUESDAY | NOVEMBER 09 TH WEDNESDAY | NOVEMBER 10 TH THURSDAY |
|--------------------------|---|---|--|
| IBC ADVANCED | 2015 IBC, Multi Family Construction Todd Snider WC-3 | 2015 IBC Extreme Buildings Steve Thomas Colorado Code Consultants | 2015 IBC Structural Plan Review Requirements Mike Molyneux WC-3 |
| 2015 CODE UPDATES | 2015 IRC Significant Changes Steve Thomas Colorado Code Consultants | 2014 NEC Update Chris Jensen North Logan City CBO | 2015 IBC Significant Changes Steve Thomas Colorado Code Consultant |
| Fundamentals | 2015 IEBC Introduction Chris Kimball WC-3 | 2015 IBC Means of Egress Doug Thornburg ICC | 2014 NEC Solar Doug Smith WC-3 |
| Diverse Topics | 2015 IFC Significant Changes Scott Adams ICC | 2015 IBC/IFC Fire Protection Systems Scott Adams ICC | 2015 Use of Fire/Smoke Separation 2015 IBC/IFC Exiting Doug Thornburg ICC |

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

- Persons requiring assistance due to disabilities, please contact Ed Domian (801)963-3276 by October 31, 2016 so proper accommodations may be provided. Daily schedule -
 Registration: 7:30 am; AM Classes: 8:00-Noon - lunch on your own - PM Classes: 1:00-5:00; Breaks 10 am & 3 pm

COURSE INSTRUCTORS: CONTINUED

2012 IBC available from ICC. He has presented building code classes for the last 25 years and provides an interesting and engaging look at building codes.

Chris Kimball, SE, MCP, CBO

Chris Kimball is WC3's Utah Regional Manager. He is a licensed structural engineer, and is an ICC Master Code Professional, certified 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.

Chris Jensen

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 electricians licensed 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 member of NEC Code Making Panel 10 and was involved with the development of the 2014 and 2017 NEC.

Scott Adams

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.

COURSE INSTRUCTORS: CONTINUED

Douglas W. Thornburg, AIA, CBO

Doug Thornburg is currently Vice-President of Education and Certification for the International Code Council (ICC) where he provides administrative and technical leadership for the ICC education and certification programs. Prior to employment with ICC in 2004, he spent nine years as a code consultant and educator, and the previous ten years with the International Conference of Building Officials (ICBO). Doug also continues to develop and present 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 in 2008, recognizing his outstanding contributions in education. A graduate of Kansas State University and a registered architect, Doug has over 35 years of experience in building code training and administration. He has authored a variety of code-related support publications, including the IBC Handbook and the Significant Changes to the International Building Code.

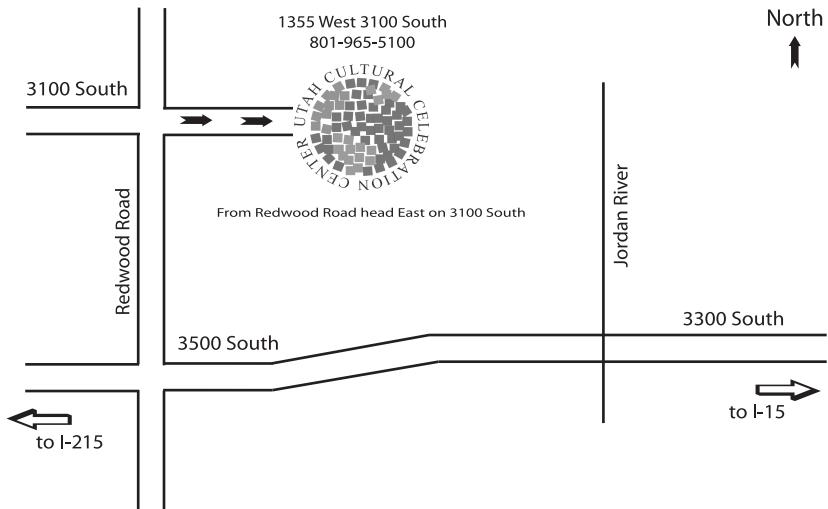
Doug Smith, MCP, CBO

Doug Smith serves as both a plans examiner and building inspector for WC3. He has been an inspector for over 10 years and has more than 18 years of experience in the building safety and construction industries. He has obtained over 18 ICC certifications including Certified Master Code Professional. He specializes in the requirements of the electrical code and is especially knowledgeable on the topic of solar photovoltaic systems.

Mike Molyneux, P.E.

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.

LODGING:



What you need to know about the Utah Cultural Celebration Center

culturalcelebrationcenter.org

Located at 1355 West 3100 South

Access from the corner of 3100 South & Redwood Road.
Drive as far east as you can on 3100 South.

The road ends at the *Utah Cultural Celebration Center*.

140 available *free* open parking spaces in dedicated parking
lot on site.

15 minute drive from Salt Lake City Airport.

LODGING:

Hotels within 5 minutes from conference site north and south of the Maverick Center.

Holiday Inn Express 866-925-1043
Baymont Hotel 866-767-0285
Sleep Inn 866-538-0270
Extended Stay America 866-925-7879
Crystal Inn 866-925-1480
Country inn & Suites 866-925-2907
Embassy Suites WVC 801-963-4760

Restaurants near conference site:

MAVERIK CENTER AREA

3100 South & Decker Lake Drive
5 minute drive from conference site

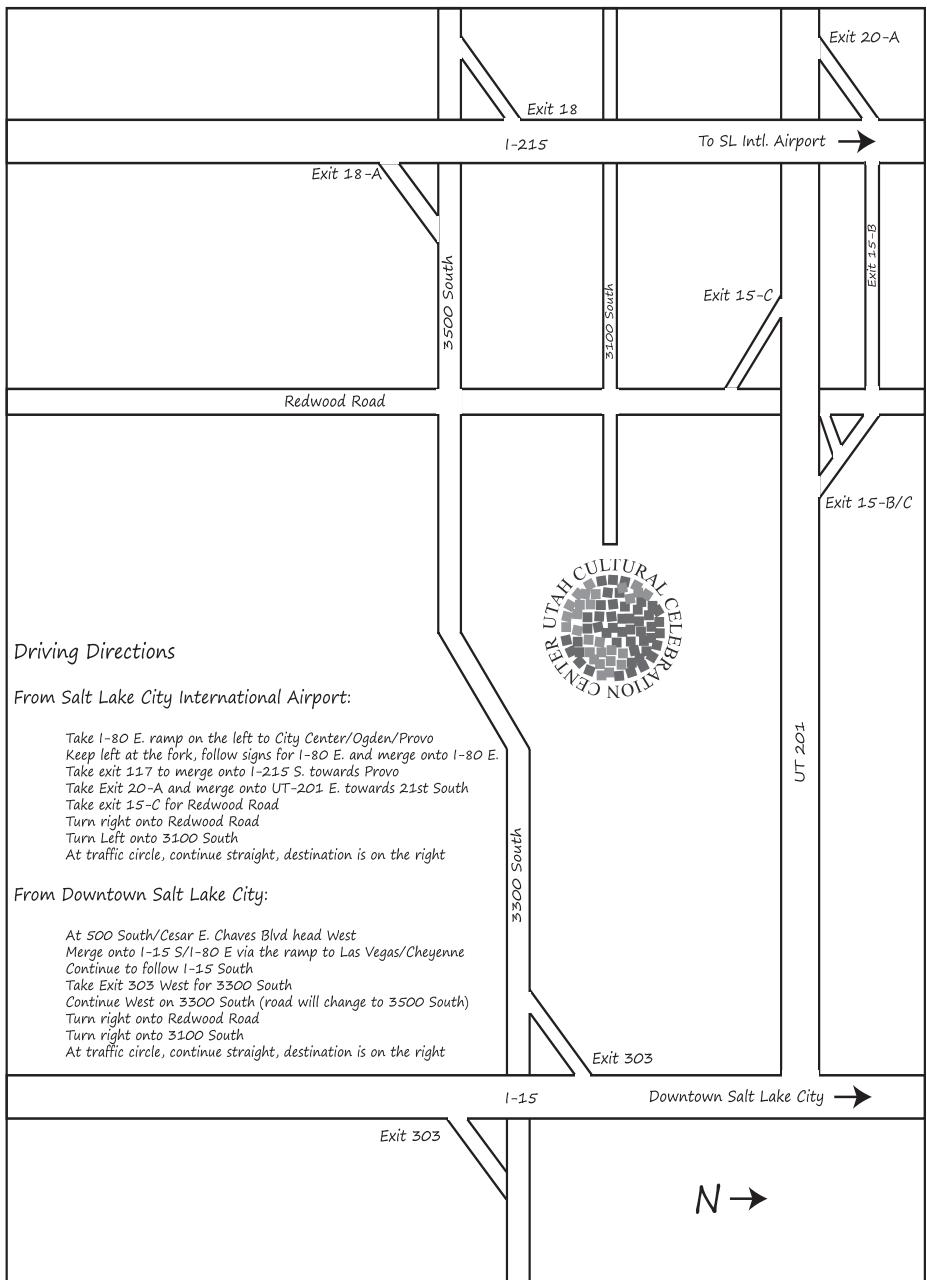
Costa Vida
Chili's
AppleBee's
IHOP
Cracker Barrel
Bout Time Pub & Grub
Greek Souvlaki (corner of Decker Lake & 3500 S)

VALLEY FAIR MALL AREA

3500 South Constitution Blvd. (2700 West)
10 minute drive from conference site

Olive Garden* (#1 in all USA Olive Gardens!)
TGI Fridays
Zupas
Wingers
Monster Sushi
In N Out Burger
Red Robin
Jimmy John's
Rumbi's
VF Mall Food Court
Pizza Rev
Cafe Rio
Smashburger

Salt Lake City Airport to Utah Cultural Celebration Center



Registration Form

Name: _____
Title: _____ Representing: _____
Address: _____
City: _____ State: _____ Zip: _____
E-mail: _____
Telephone: _____ Fax: _____

Fees: \$70 Per Person Per Day. **Late Registration \$80.00 per day after 10/18/16.** We regret that we can no longer accept split or shared registrations. Everyone must submit a registration form with a check. No invoices please. Everyone must pay the minimum registration fee of \$70.00. There is free open lot parking on site. Lunch is on your own.

| | |
|-------------------------|----------------|
| Make Checks payable To: | Total Enclosed |
| BONNEVILLE CHAPTER ICC | |
| P.O. Box 672 | |
| Farmington, Utah 84025 | \$ |

Please check the boxes for the classes you will be attending.

Pre-registration will insure you a workbook!!

23nd Annual

Fall Educational Institute

Bonneville Chapter – ICC

Utah Cultural Celebration Center – West Valley City, Utah

November 8-10, 2016

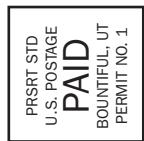
All classes listed are full day classes

| Path | November 8th | November 9th | November 10th |
|-----------------------|---|---|---|
| IBC Advanced | <input type="checkbox"/> Multi-Family Residential | <input type="checkbox"/> Extreme Buildings | <input type="checkbox"/> IBC Plan Review |
| Code Updates | <input type="checkbox"/> 2015 IRC Significant Changes | <input type="checkbox"/> 2014 NEC Significant Changes | <input type="checkbox"/> 2015 IBC Significant Changes |
| Fundamentals | <input type="checkbox"/> 2015 IEBC Introduction | <input type="checkbox"/> 2015 IBC Means of Egress | <input type="checkbox"/> 2014 NEC Solar |
| Diverse Topics | <input type="checkbox"/> IFC Significant Changes | <input type="checkbox"/> 2015 IBC/IFC Fire Protection Systems | <input type="checkbox"/> 2015 IBC/IFC Use of Fire and Smoke Smoke |

REGISTRATION: 7:30 All classes are 8-hour sessions with lunch on your own.

Breaks will be held at 10:00 a.m. and 3:00 p.m. to coincide with prize drawings.

Refund Policy: \$10.00 processing fee until November 1, 2016. Thereafter, maximum 80% for exceptional reasons. REQUESTS MUST BE IN WRITING.



Bonneville Chapter ICC
c/o Mike Bosch, Treasurer
P. O. Box 672
Farmington, UT 84025-0672

Visit the ICC
Vendor Booth

http://www.iccbonn.org

Catch our home page
on the web!