



Monday, March 28 – Friday, April 1  
Hilton Hotel & Conference Center  
Eugene, Oregon

2016

# OBOA Spring Educational Institute

20 Full-Day  
Class Trainings

OBOA is Proud to be an ICC Preferred Provider



This elite network of education providers demonstrates their commitment to the building safety profession and the ICC Certification Program by offering high-quality programs.



Important Deadlines:

Discounted Registration: Monday, March 7  
Hotel Reservations: Monday, March 14

We welcome and offer training to:

Code Administration Officials • Plans Examiners • Architects • Design Professionals  
Engineers • Builders & Contractors • Fire Inspectors & Personnel • All Industry Stakeholders

This five-day institute offers high-quality Continuing Education Units (CEUs) for all building safety professionals. Our schedule offers four educational tracks each day of the event:

Fire & Life Safety

Leadership

Specialty Code

Special Interest

Register Online at [OregonBuildingOfficials.com](http://OregonBuildingOfficials.com)

# 2016 OBOA Spring Institute Schedule-at-a-Glance

All classes begin promptly at 8:30 am and end at 4:30 pm. Continental breakfast is available at 7:30 am and lunch is served from 12:00 to 1:00 pm. There will be two 30-minute breaks, typically taken at 10:00 am and 2:30 pm. Registration fees include electronic session materials, continental breakfast, breaks and lunch for the day(s) you are registered. Exhibits will be open for the OBOA Vendor Fair each day.

The following four dedicated tracks of education are color-coordinated throughout this brochure to help you identify the offerings on the schedule.

**Fire & Life Safety**

**Leadership**

**Specialty Code**

**Special Interest**

## Monday, March 28

A1) Fire-Resistance Rated 101: CLT and Combustible Construction in the IBC	Dennis Richardson, PE, CBO, CASp
A2) Technology Today	City of Corvallis, City of Eugene, City of Hillsboro, & Clark County Representatives
A3) Electrical Plan Review and What is a Complex Installation	James Imlah
A4) Residential Inspections: From Footings to Final	Mark Ennis, PE

## Tuesday, March 29

B1) Codes and Standards Overview of Water Based Fire Protection Systems	Matthew Klaus
B2) Adapting to Change in the Workplace	William (Bill) Charles Gallagher
B3) ATC-20 & ATC-45: Posting Buildings after a Natural Disaster & Coordination for Damage Assessment	Steve McGuire
B4) Do's & Don'ts: Connector Installation & Code, Deck Construction, Brace Walls & Trusses - Best Practices, New Methods, and Common Mistakes	Mark Ennis, PE; David M. Gilroy; James McPherson; & Shalini Prochazka, PE, SE
B5) Code Gurus Meet & Greet - Hosted Evening Networking Reception (Free with registration; all attendees invited!)	

## Wednesday, March 30

C1) Plan Review for Fire Protection Systems	Matthew Klaus
C2) Oregon Statutes and Rules - What a Building Official Needs to Know	Warren Jackson, CBO
C3) OSSC 2014 Egress: Chapter 10 - From Inspection to Plan Review	Steve McGuire
C4) Causes, Symptoms and Solutions to Common Foundation Problems & an Introduction to Helical Foundation Systems and Hydraulically Driven Push Pier Systems	Jeff Kortan, PE & Kyle Olson, PE

## Thursday, March 31

D1) Kitchen Hood Systems & Code Officials Guide to UL	Kelly Nicoletto
D2) The Heart of Leadership	Tim Schneider
D3) IBC Chapter 11 Oregon Building Code	Hoyt Jeter, PE
D4) Marijuana Facilities in Oregon	Tim Saari

## Friday, April 1

E1) Fire Alarm Plan Review	Thomas P. Hammerberg, SET, CFPS
E2) Building High Performance Teams	Tim Schneider
E3) International Existing Building Code (Chapter 34)	Hoyt Jeter, PE
E4) Things to Look for with Flashings/Moisture Control for Exterior Walls	Frank Mendez

# MONDAY, MARCH 28

All classes run from 8:30 am to 4:30 pm and are eligible for 6 hours (ICC 0.6) of Continuing Education Units (CEUs) unless otherwise noted.

## A1) Fire-Resistance Rated 101: CLT and Combustible Construction in the IBC

Presented by Dennis Richardson, PE, CBO, CASp, West Coast Manager of Codes and Standards, American Wood Council

FIRE & LIFE SAFETY TRACK

This class is geared towards the building official, fire marshal, plan checker or inspector who would like to learn or improve their understanding of the 2012 and 2015 IBC Chapter 7 fire resistance rated construction provisions while forming a basis for understanding fire resistance of proposed larger and taller wood structures utilizing Cross Laminated Timber (CLT). Chapter 7 topics will include: structural fire resistance, rated wall types, horizontal assemblies, vertical openings, shaft enclosures, concealed spaces, prescriptive and calculated fire resistance. Participants will be exposed to new mass timber construction materials including CLT and how they fit into the code of the future, a select number of 2015 and 2018 IBC code changes, recent fire test research and current code proposals under consideration in the ICC Group A process leading to the 2018 IBC. A list of common CLT code official questions will be addressed. Beyond Chapter 7, discussion will include the behavior of fire in combustible structures, construction fire safety, and practical considerations for several common construction details and configurations. The class will incorporate discussion about the application of various IBC fire resistance requirements found in Chapters 2, 4, 5, 6, 9 and 10 including an introduction to calculated fire resistance of exposed timber and CLT found in Chapter 16 of the 2015 National Design Specification (NDS).



Approved | Course #: 3884  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



Mr. Richardson joined American Wood Council in January of 2013 after 17 years of being a building official and is a civil engineer registered in California with private sector design and consulting experience in addition to 25 years of building department work. He has been active on several code development and education efforts and has authored a number of code changes on subjects ranging from simplified seismic in the 1997 UBC to a rewrite of the heavy timber provisions in the 2018 IBC. Dennis is a Past President of the Peninsula Chapter of ICC, served on the Board of Directors for the Structural Engineers Association of Central California, and is a graduate of UC Davis with a BS in Civil Engineering.

## A2) Technology Today

Presented by Jurisdictional Representatives of City of Corvallis, City of Eugene, City of Hillsboro, Clark County, with Attendee Interaction

LEADERSHIP TRACK

**Technology Topics Include:** Sherlock Video Inspection Program; Electronic Document Control and Plan Review Systems & Solutions; Electronic Inspection Devices; Permitting Systems Discussion; and Inspection Van Monitors & Work Station (including a van tour on-site!)

Are we in the beginning, in the future, or falling behind? Every day there seems to be a new electronic gadget and new ways and ideas on how to use technology. From smart phones to Mondopads, how can we best use today's technology in the permitting process including "e-permitting," plan review and inspection services? This session will be a panel presentation, also providing open forum discussions about additional different electronic devices, permitting and plan review systems, and video inspections. Be prepared to hear about what other jurisdictions are doing to keep up, and plan to bring your ideas as well.

**Target Audience:** Jurisdictions, Design and Construction Community



Approved | Course #: 6105  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person

If you are a Design Professional or part of the construction community, please come and see the technology that is being implemented in jurisdictions around the State of Oregon. We value you as a partner and welcome your input.

## A3) Electrical Plan Review and What is a Complex Installation

Presented by James Imlah, Principal, Imlah Electrical Consulting

SPECIALTY CODE TRACK

Attendees will have an opportunity to look at a set of drawings to determine what information submitted will meet 918-311-0040 and make requests for additional information submitted. Review will focus on the minimum requirements for plan review and determine projects that will be considered a "complex" installation. There will be open discussion of the items found and how to write a clear and concise statement to the submitter of deficiencies the plans for the submitted information required for issuance of a permit. All comments will be based on the currently adopted 2014 National Electrical Code, Oregon Administrative Rules (OARs), and Oregon Revised Statutes (ORSs). The course is approved by the State of Oregon for 4-hours of continuing educational credits submitted by the presenter.

**Learning Objectives:** To understand how the OARs apply to plan review and how it ties into the 2014 National Electrical Code, selective National Fire Protection Standards, and Oregon Electrical Specialty Code; support by reference Oregon Cite-and-Write requirements for both plan review and electrical inspection of complex structures; be able to verify documents submitted and approved for permit with the actual site installation and inspection to assure minimum electrical safety requirements of ORS 479 are followed.

**Target Audience:** Individuals who perform jurisdictional plan review and the inspections in the field.

**Class Materials to Bring:** Current 2014 NEC, Oregon Electrical Specialty Code, and Oregon Administrative Rules 918-311.



Approved | Course #: 6251  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



Mr. Imlah is a retired electrical inspector from the City of Hillsboro, electrical plan examiner and inspector, Oregon-approved 3rd party electrical inspector and plan reviewer, 2005, 2008, 2011, 2014, 2017 NFPA code making panel member, Northwestern Section International Association of Electrical Inspectors-Secretary, Electrical Consultant, ICC Certified Electrical Plan Examiner and Inspector, Oregon 1 & 2 family mechanical, plumbing, structural, and manufactured dwelling certified inspector. He is an approved State of Oregon Instructor for multiple classes including, Transformers, Electrical Safety, Calculations, Conductor Installation, Oregon Rule and Law and Electrical Code Update Classes and currently provides a 48-hour class for general and plant supervisors pre-testing training. James has been a field electrician since 1979, Supervising Electrician since 1989, Electrical Inspector since 1991, and currently, Sr. Electrical Designer for Bradford Engineers. He has extensive field experience in residential, commercial, industrial and federal facilities.

## A4) Residential Inspections: From Footings to Final

Presented by **Mark Ennis, PE, Building Official, City of Happy Valley**

**SPECIAL INTEREST TRACK**

This class will cover structural, mechanical and plumbing inspections for residential homes. The class will provide new inspectors or inspectors who need a refresher on what should be covered during a residential inspection through all phases of the project.

**Learning Objectives:** Structural inspections and common issues; plumbing inspections and common issues; mechanical inspections and common issues; to be able to identify and solve common issues during the construction of a new home.

**Target Audience:** New or cross-trained inspectors



Approved | Course #: 837  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



*Mark Ennis is a Professional Engineer who currently works for the City of Happy Valley Building Division. Mark graduated from Cal Poly San Luis Obispo in 1984 in Architectural Engineering. His work experience includes over ten years as a structural engineer, ten years in construction, and more than twelve years as a plans examiner and building inspector. Mark currently serves as the Chair for the OBOA Special Inspections Program (SIP) Committee and has served on that committee for over ten years.*

## TUESDAY, MARCH 29

All classes run from 8:30 am to 4:30 pm and are eligible for 6 hours (ICC 0.6) of Continuing Education Units (CEUs) unless otherwise noted.

## B1) Codes and Standards Overview of Water Based Fire Protection Systems (NFPA 24, NFPA 14, NFPA 13, NFPA 20, & NFPA 22)

Presented by **Matthew Klaus, Principal Fire Protection Engineer, National Fire Protection Association (NFPA)**

**FIRE & LIFE SAFETY TRACK**

This course will cover the components and the NFPA standard requirements for water based fire protection systems. We will cover underground piping, standpipe systems, automatic fire sprinkler systems, water storage tanks and stationary fire pumps.

**Learning Objectives:** Upon completion of this session, the attendee will be able to identify the various components of water based fire protection systems. This will include underground water supply piping, standpipe systems, automatic fire sprinkler systems, stationary fire pumps and water tanks. The attendee will also be aware of the requirements set forth in the National Fire Protection Association standards related to these systems (NFPA 24, 14, 13, 20, and 22).

**Class Materials to Bring:** Attendees are encouraged to bring the currently adopted editions of the NFPA standards listed above.



Approved | Course #: 6169  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



*Matthew Klaus is responsible for NFPA documents addressing commissioning, integrated system testing and automatic sprinkler systems. He presently holds a bachelor's degree in Civil Engineering as well as a masters degree in Fire Protection Engineering from Worcester Polytechnic Institute. Mr. Klaus has extensive fire protection engineering consulting experience where he was a project manager for projects in Dubai, Abu Dhabi, Qatar, the Kingdom of Bahrain, as well as projects across the United States. His experience includes designing and commissioning fire protection systems including smoke control systems, suppression systems and fire alarm systems. His project work includes the use of fire and egress modeling software for engineering analyses of roadway tunnels, rail systems, football stadiums, high-rise buildings, shopping malls, and transportation hubs.*

## B2) Adapting to Change in the Workplace

Presented by **William (Bill) Charles Gallagher, Owner/Trainer, Teamworks Mediation & Consulting**

**LEADERSHIP TRACK**

This training will focus on why there is a natural tendency to resist even positive change in the workplace. It will highlight the way different personality types respond to change and how they can have a positive impact based on how they are wired through the transition process. There will be an emphasis on how management can prepare staff for upcoming changes. Since there is "a change imposed is a change opposed" mentality, management should know how to get buy-in from employees so that the overall implementation of change is successful. Most governmental employees are promoted from within and are "thrown into the deep end of the pool" with little to no supervisory or management training. The change for both the promoted and promoted-over can be awkward and isolating at best. Roles must be redefined and the "boss" has to learn to go from being friends to the "buddy," to being friendly with the buddy. Several misunderstandings and pitfalls can be avoided if everyone is better prepared to do this new dance.

**Learning Objectives:** Develop a more realistic understanding and deeper insight into the reactions of change from each staff member; moving the staff towards a more prepared way to adapt through the change process; develop a threefold specific plan that assist in the entire staff in helping and participating in the change process so that in the future they can follow the previous template with greater success; learn specific do's and don'ts in recalibrating the Buddy to Boss relationship; specific ideas on going from sharing the workload to supervising the workload; going from being dissenters to supporters after the promotion; rebuilding trust between the promoted and promoted over.

**Target Audience:** All those in management and leadership positions (including administration, upper and mid-levels, leads, supervisors, directors).

**Class Materials to Bring:** Notebooks and writing utensils



Approved | Course #: 6305  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



*Bill Gallagher has been counseling and working with professionals since 1980. His emphasis in the workplace is to help develop both relational skills and professional standards among administration and staff. He has worked in multiple organizational settings and of recent has spent most of his time addressing workplace issues in healthcare and city government. Bill formed TeamWorks in 2001 to help organizations achieve their goals for establishing high morale and client satisfaction. TeamWorks currently specializes in offering one-on-one surveys and evaluations for management and staff to assess the current culture's needs and recommended trainings going forward. Bill's strengths are in public speaking, mediation, and understanding the complexities of relational dynamics in the workplace.*



## B3) ATC-20 & ATC-45: Posting Buildings after a Natural Disaster & Coordination for Damage Assessment

Presented by Steve McGuire, Building Official/Program Manager, Lane County

SPECIALTY CODE TRACK

This full-day class will cover the procedures for posting buildings and structures after an earthquake and after windstorms and flooding in accordance with ATC-20\* and ATC-45\*\*. It meets the class requirement for Oregon Post Earthquake Inspector Certification.

Over the last several years, attention to earthquake risk in the Northwest has increased significantly. Perhaps due to newspaper articles on earthquake preparedness or the simple fact that every day that we don't have an earthquake the probability that one could happen tomorrow increases. After an earthquake, the responsibility of evaluating and posting buildings for immediate re-use falls to the building official and post-earthquake inspectors. In Oregon, damage due to flooding, windstorms, or landslides occur more frequently than major earthquakes. Being able to respond to these events, posting buildings and tracking repairs is also important even though there is not a certification for inspectors evaluating the safety of buildings damaged by these events.

The certification for post-earthquake inspectors provides standard of training for inspectors; however, the preparedness and response to an earthquake of other event is the responsibility of each jurisdiction. This presentation will provide an overview of the best practices for the role of the building official coordinating the evaluation and posting of buildings based on Cal-OES Safety Assessment Program (SAP) Coordinator Training. The coordination role includes preparedness for an event as well as response to an event regarding the posting of buildings and structures.

\*ATC-20 (Post-Earthquake Evaluation of Buildings)

\*\*ATC-45 (Safety Evaluation of Buildings after Windstorms and Floods).



Approved | Course #: 6067  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



Steve McGuire graduated in 1976 from the University of Oregon with a Bachelor's of Architecture degree. From 1978 through 1990, Steve managed a design department for Oregon Dome, Inc. providing construction design service throughout the United States, applying various building codes for buildings that incorporated several types of construction. In 1990 Steve became employed by the City of Eugene as a plans examiner. Steve was the Plan Review Supervisor for the City of Eugene Building Permit Services for ten years and is on the City of Eugene Disaster Operations Task Team for eight years. Steve has been teaching ATC-20 post earthquake posting of buildings since 2003. Steve is an approved Safety Assessment Program (SAP) instructor through California Emergency Management.

## B4) Do's & Don'ts: Connector Installation & Code, Deck Construction, Brace Walls & Trusses – Best Practices, New Methods, and Common Mistakes

Presented by Mark Ennis, PE, Building Official, City of Happy Valley; David M. Gilroy,

SPECIAL INTEREST TRACK

Territory Manager, Simpson Strong-Tie; James McPherson, Territory Manager, Simpson Strong-Tie; and Shalini Prochazka, PE, SE, Branch Engineer, Simpson Strong-Tie

Determining the wall-bracing requirements for a structure is a complex process. In an effort to simplify the design, Simpson Strong-Tie has developed a Wall-Bracing-Length Calculator—a quick and easy tool that helps calculate the required length of wall bracing in accordance with the International Residential Code. Ms. Prochazka will focus on how to use this tool with a design example. Mr. McPherson will join us to review the deck connections and code reference to help identify mis-installs and recognize corrosion risks to deck construction. Mr. Gilroy will review proper and improper connector installations, cover possible fixes for mis-installations, identify resources and tools available, and review how to better utilize the Simpson catalog. He will also address ongoing and upcoming products, issues, and methods within the roof and floor truss industry. Mr. Ennis will be there to address field installations and common questions posed by inspectors and city engineers.

Additional items to be addressed during this presentation will include: proper installation methods for hold-downs, straps and connectors; installation tolerances (at what point does an installation either need to be done differently or have an approval from a structural engineer); truss connection basics; hardware for a positive connection of decks to the main structure; adjustments to commonly used hardware when hardware cannot be installed 100% correctly; strapping over rim joists; how connections perform through incidents such as earthquakes (testing vs. actual conditions); and pressure treated wood and chemical reaction to the metal hardware.

**Learning Objectives:** Provide participants the tools to find and identify common connector issues. • Learn common help lines available to jurisdictions and designers in the region. • Be a resource for attendees and members by answering questions and concerns.

**Target Audience:** Building Officials, Inspectors, Designers, Engineers, Framers, Specifiers, Plans Examiners

**Class Materials to Bring:** Writing utensil and paper



Approved | Course #: 851  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



Mark Ennis is a Professional Engineer who currently works for the City of Happy Valley Building Division. Mark graduated from Cal Poly San Luis Obispo in 1984 in Architectural Engineering. Mark's work experience includes ten years as a structural engineer, ten years in construction, and over twelve years as a plans examiner and building inspector. Mark has been on the OBOA Special Inspection Program committee for ten over years and is currently serving as chair for the committee.

David Gilroy was born and raised in Oregon and is a graduate of Willamette University in Salem, Oregon. He has been with Simpson Strong-Tie for over nineteen years. He served two years on the Board of Directors for the Structural Engineers Association of Oregon (SEAO) and is the current meeting coordinator for SEAO. David is a member of the ICC SW Washington Chapter and Oregon Building Officials Association. He has conducted educational seminars for Portland State University, Oregon State University, and the Oregon Institute of Technology. David is currently a member of the National Hazard Mitigation Planning Committee (NHMP), the OBOA Codes Committee, and the OBOA Special Inspection Program Committee.



James McPherson started with Simpson Strong-Tie in 2002 as a Retail Specialist in the South Puget Sound region. In 2007 he moved down to the SW Washington/Oregon market as a Dealer Representative working with the distribution and lumberyards in the market. In 2010 James was promoted to the position of Territory Manager, where he currently serves the SW Washington/Oregon market. He has now added making calls to Engineers, Building Officials, and Architects to his regular duties.

Shalini Prochazka, PE, SE is a Branch Engineer with the Northwestern Branch in Kent, WA where her primary focus is providing engineering and application support to sales and customers including architects, specifiers, building officials and contractors. She has over eleven years of experience in structural design of building structures in North America and has an in-depth knowledge of the building codes. Ms. Prochazka has an undergrad degree in Civil Engineering from India and Masters of Engineering from the University of British Columbia.



### All Institute Attendees are Invited!

5:00 – 6:00 PM | TUESDAY, MARCH 29 | B5) CODE GURUS MEET & GREET – HOSTED NETWORKING RECEPTION

Come enjoy a fun and relaxed time together – all institute participants, exhibitors, and speakers are invited! Take advantage of this time that is set aside to meet and reconnect with your peers from across Oregon and beyond. There will be a short Code Guru Quiz with prizes awarded to those with the best “correct” answers. Hors d'oeuvres and refreshments will be available. There is no additional fee to attend, but for planning purposes, please indicate on the registration form if you plan to attend.

# WEDNESDAY, MARCH 30

All classes run from 8:30 am to 4:30 pm and are eligible for 6 hours (ICC 0.6) of Continuing Education Units (CEUs) unless otherwise noted.

## C1) Plan Review for Fire Protection Systems

**Presented by Matthew Klaus, Principal Fire Protection Engineer, National Fire Protection Association (NFPA)**

**FIRE & LIFE SAFETY TRACK**

This course will instruct the attendee on the proper way to conduct a plan review of a water based fire protection system. Attendees will take the information on fire protection systems and the NFPA standard requirements for those systems and apply it to the plan review process.

**Learning Objectives:** Upon completion of this session the attendee will be able to use their locally adopted NFPA standards to perform a plan review for proposed fire protection systems. The attendee will be aware of the requirements for underground water supply piping, standpipe systems, automatic fire sprinkler systems and stationary fire pumps.

**Target Audience:** This course is designed for fire and building code officials charged with plan review and/or inspection of water based fire protection systems. This would include Fire Chiefs, Fire Marshals, City or County Building Officials, Fire Inspectors and Building Inspectors.



Approved | Course #: 6170  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person

**Class Materials to Bring:** Attendees are encouraged to bring the currently adopted editions of NFPA 24, NFPA 14, NFPA 13, NFPA 20, & NFPA 22.



Matthew Klaus is responsible for NFPA documents addressing commissioning, integrated system testing and automatic sprinkler systems. He presently holds a bachelor's degree in Civil Engineering as well as a masters degree in Fire Protection Engineering from Worcester Polytechnic Institute. Mr. Klaus has extensive fire protection engineering consulting experience where he was a project manager for projects in Dubai, Abu Dhabi, Qatar, the Kingdom of Bahrain, as well as projects across the United States. His experience includes designing and commissioning fire protection systems including smoke control systems, suppression systems and fire alarm systems. His project work includes the use of fire and egress modeling software for engineering analyses of roadway tunnels, rail systems, football stadiums, high-rise buildings, shopping malls, and transportation hubs.

## C2) Oregon Statutes and Rules – What a Building Official Needs to Know

**Presented by Warren Jackson, CBO, Building & Planning Division Manager, Marion County**

**LEADERSHIP TRACK**

The class will cover Oregon Revised Statutes and Oregon Administrative Rules related to being a Building Official in Oregon. Emphasis will be placed on covering recent changes to rules and the effect on building departments, building officials, inspectors and plans examiners. There will be a discussion regarding proposed draft rules by the State of Oregon Building Codes Division and the potential impacts on building departments; building code violations and the enforcement process, agricultural building and equine facilities. We will cover the newly adopted "Cite It, Write It" rulemaking issue.

**Learning Objectives:** Attendees will become familiar with the statutes and rules that impact building departments; explain recent changes to rule and statute and the impact to building departments and staff; discussion of what future rule changes may be made by BCD.



Approved | Course #: 6136  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person

**Target Audience:** Building Officials, lead workers, supervisory staff, and other staff who may be considering becoming a supervisor.



Mr. Jackson has been the building official for Marion County since 2003 and has been the planning director since 2013. Prior to this he held positions as an inspector and as a plans examiner. Warren is the current Chair of the OBOA Standards Committee and a Director at Large on the OBOA Board of Directors. He has presented leadership classes for OBOA Members at previous institutes.

## C3) OSSC 2014 Egress: Chapter 10 - From Inspection to Plan Review

**Presented by Steve McGuire, Building Program Manager, Lane County**

**SPECIALTY CODE TRACK**

This class will look at the prescriptive egress system of OSSC Chapter 10. We will go over the components and details of each portion of the egress system. This class will approach exiting both from field inspections and plan review.

**Learning Objectives:** Understand the general concept of means of egress system: Exit; Exit Access & Exit Discharge. • We will cover the various components for each portion of the egress system and look at specific details of the egress components.

**Target Audience:** Plan Reviewers, Inspectors, Designers

**Class Materials to Bring:** OSSC 2014, Calculator



Approved | Course #: 3903  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



Steve McGuire graduated in 1976 from the University of Oregon with a Bachelor's of Architecture degree. From 1978 through 1990, Steve managed a design department for Oregon Dome, Inc. providing construction design service throughout the United States, applying various building codes for buildings that incorporated several types of construction. In 1990 Steve became employed by the City of Eugene as a plans examiner. Steve was the Plan Review Supervisor for the City of Eugene Building Permit Services for ten years and was on the City of Eugene Disaster Operations Task Team for eight years. Steve has been teaching ATC-20 post earthquake posting of buildings since 2003. Steve is an approved Safety Assessment Program (SAP) instructor through California Emergency management.



## C4) Causes, Symptoms and Solutions to Common Foundation Problems & an Introduction to Helical Foundation Systems and Hydraulically Driven Push Pier Systems

Presented by Jeff Kortan, PE, Director of Engineering, Foundation Supportworks, Inc. and Kyle Olson, PE, Senior Structural Engineer, Foundation Supportworks, Inc.

SPECIAL INTEREST TRACK

We will take an in-depth look at how to identify foundation settlement problems, failing basement walls, and settling columns or sagging beams in a crawl space. We will examine the common causes of these structural problems, such as ever-changing moisture content of soil and poor compaction of fill soil. Finally, we'll discuss the pros and cons of various options for repair, and how these repairs are able to restore property value without excessive cost. The afternoon session will get even more specific with the design and installation of helical pier and push pier systems. OBOA members will participate in the discussion and provide some jurisdiction-specific items as needed. Time for questions has been allotted.

**Learning Objectives:** Learn various options for the repair of common foundation problems and pros and cons of each; learn basics of the design and installation of helical pile and hydraulically driven push pier systems.

**Target Audience:** Building Officials, Engineers, Home Inspectors, Architects and Contractors



Approved | Course #: 6146  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



Jeff Kortan, PE, is a geotechnical engineer and the Director of Engineering for Foundation Supportworks, Inc. Jeff is involved in product design, product verification testing, preliminary design applications, project consulting, installation/sales/marketing training, as well as developing and presenting education-based material. Jeff travels throughout the United States and Canada to consult with local engineers and contractors about general or project-specific needs.

Kyle Olson, PE, is the Senior Structural Engineer for Foundation Supportworks, Inc. Kyle focuses on the development and verification testing for many of FS's products and equipment. Kyle is often involved in unique projects, especially those that include specialty connections, brackets or other custom products.



## THURSDAY, MARCH 31

All classes run from 8:30 am to 4:30 pm and are eligible for 6 hours (ICC 0.6) of Continuing Education Units (CEUs) unless otherwise noted.



## D1) Kitchen Hood Systems & Code Officials Guide to UL

Presented by Kelly Nicoletto, Senior Regulatory Engineer, UL, LLC

FIRE & LIFE SAFETY TRACK

During the first part of this class, we will discuss cooking equipment, exhaust hoods, grease filters, grease ducts, supply fans, exhaust fans and fire suppression and review the requirements as stated in the IMC, IFC and NFPA. Further we will discuss the distinguishing product listing marks and their applicability to cooking systems. The second half of the class will provide an overview of UL certification programs and services, and demonstrates how AHJs can use UL certifications and services to help them with their plan approval and installation inspections. It also includes hands on examples of using UL resources and information to resolve code enforcement situations. There will also be a presentation on current fire research that can impact code development.

This class will take a special "field trip" to the Hilton Hotel's kitchen! Attendees will have the opportunity to walk the back of the house to view the different aspects of the hood, along with the shut off, the ansul switch, ansul tanks, size of hood in relation to the appliances, location of the fire extinguisher, move the filters to see the fusible link and duct opening, and exhaust fan bell.

**Learning Objectives:** Understand the elements required for a code compliant cooling system. • Understand the prescriptive requirements of the codes for a cooking system. • Understand how and why fire suppression systems operate to extinguish commercial cooking fires. • Become familiar with the UL Mark process. • Introduce the tools available to determine if a product is listed. • Discuss the different questions that may arise concerning listed products. • Understand how research at UL evolves to building and fire code proposals.



Approved | Course #: 3883  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person

**Target Audience:** Building Officials, Fire Officials, Plan Reviewers



Kelly Nicoletto has completed a career in fire protection with the United States Air Force, and with the Alaska Department of Public Safety, where he held most every position in the Division of Fire and Life Safety. He was appointed to the position of Alaska State Fire Marshal in September 2012. As the Director of the Division of Fire and Life Safety he had the responsibility to be the State Fire Marshal and the State Building Official where he led the Bureaus of Life Safety Inspections and Investigation, Plan Review, Fire Department Education and Training, the Office of Rural Fire Protection and the Office of Oil and Gas Systems and Facilities. He retired in May 2015 and took a position with UL as a Senior Regulatory Engineer and relocated to Fort Worth, Texas. Mr. Nicoletto has an Associate Degree in Fire Science from the Community College of the Air Force and an Associate Degree in Occupational Education from Vernon Regional Jr College in Texas. He is the Chair of the National Association of State Fire Marshals (NASFM) Model Codes Committee. He sits on the International Code Conference's Fire Service Membership Committee representing NASFM. He is a non-voting member of NFPA 1 Fire Code Technical Committee and a member of the NFPA 1730 Standard on Organization and Deployment of Fire Prevention Inspection and Code Enforcement, Plan Review, Investigation and Public Education Operations to the Public.





## D2) The Heart of Leadership

Presented by **Tim Schneider, President, Soaring Eagle Enterprises, Inc.**

LEADERSHIP TRACK

The application of skills and competencies is part of being a great leader. But so is understanding, trusting and using your heart. From relationships to decision making, your heart plays a role in your effectiveness as a leader. The best leaders will mix healthy doses of emotion and heart with their skills to produce stunning results. The heart based approach will insure that all team members are connected, engaged and delivering service at their optimum levels.

**Learning Objectives:** Connect effectively with your own emotional composition and feelings to generate greater levels of leadership empathy, compassion and understanding; build deeper relationships with team members and maximize their loyalty and work efforts for you; create greater levels of success, peace and happiness with satisfaction and self-care techniques.

**Target Audience:** Building Officials, management, supervisory and leadership positions within the building and code enforcement community.



Approved | Course #: 5892  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



*Tim Schneider's mission has always been "Committed Only to Your Success." Over the past twenty years, Tim has become one of the most sought after trainers, coaches, speakers and professional facilitators in the nation. Renowned for both his style and content, Tim delivers powerful messages about leadership, customer service, team work, communication and personal success. Stylistically, he brings an unparalleled enthusiasm, passion and power to his speaking and teaching which always infects his audience. His love of teaching and speaking becomes obvious within the first few minutes of each presentation. Equally obvious is his sense of humor and desire to make each session enjoyable and fun. You will also quickly see that Dr. Schneider never reads from a script and is very animated and in a constant state of motion while working. Tim is a widely recognized expert in leadership development, executive coaching and healthy organizations. He is the author of LeadWell-The Ten Competencies and the soon-to-be-released*

*Beyond Engagement. Dr. Schneider is a member of the adjunct faculty for the University of Nevada, Las Vegas and the Community College of Southern Nevada and his professional accreditations include the American Society for Training and Development, International Speaker's Association, International Association of Facilitators, Society for Human Resource Development and Institute for Adventure Learning.*

## D3) IBC Chapter 11 Oregon Building Code

Presented by **Hoyt Jeter, PE, ICC Certified Plans Examiner & Inspector, President, Clarity Consulting Engineers**

SPECIALTY CODE TRACK

This course describes the accessibility requirements enforced by the Code IBC/ANSI A117. It teaches how to review and apply the provisions of the code as it pertains to the accessible and useable buildings and facilities. It also covers the Oregon State requirements.

**Learning Objectives:** The ability to review and/or design plans in compliance with accessibility code requirements. This covers plans of accessible routes, entrances, parking, special occupancies, and dwelling units. The ability to identify the significant changes from 2003 to 2009 in the ICC/ANSI A117.1 Codes.

**Target Audience:** Plan Examiners, Building Inspectors, Architects, Developers, Contractors



Approved | Course #: 6103  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person

**Class Materials to Bring:** IBC Oregon Building Code and ANSI A117.1 Code (optional)



*Hoyt Jeter has a total of 22 years in the fields of structural design and code plan reviews. He also has a total of 16 years in building code enforcement, reviewing construction plans and documents for compliance with multiple building codes and adopted ordinances in the States of Washington, California, Oregon, Alaska and Idaho. In addition, Hoyt was an instructor of building codes and plan review methodology for over ten years. He is a long term member of NCEES, assisting in the development of the professional engineering exam.*

## D4) Marijuana Facilities in Oregon

Presented by **Tim Saari, Plans Analyst/Code Consultant, Colorado Code Consulting, LLC**

SPECIAL INTEREST TRACK

This class will be a full exploration of the multitude of building uses and mixed uses related to the burgeoning marijuana industry, and how the Oregon rules and codes may apply. A further examination of how the industry is reacting and adjusting to the maze of State and local regulations, and becoming efficient will be addressed. This course is conducted in a forum style, with opportunities for the attendees to ask questions, compare notes, and share the solutions discovered. This class will provide the most current and updated rules and regulations surrounding the ongoing marijuana issues and direction from the Oregon Liquor Control Commission (OLCC).

**Learning Objectives:** Understand the complexities of the MJ industry. • Understand where locally adopted codes fit and apply to the industry. • Gain a broad knowledge of MJ solutions by participating in the forum.



Approved | Course #: 3879  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person

**Target Audience:** Code Administration Officials, Designers, Inspectors, All Industry Stakeholders



*After fourteen years in construction, Tim transitioned to what has become a twenty four year career in building code administration with increasingly complex responsibilities. The academic training undertaken for this career involved the completion of an Associate's Degree in Building Inspection Technology at Inver Hills Community College, and was furthered by individualized studies in Building Safety & Sustainability at the University of Minnesota. Tim is certified by the International Code Council in Building, Plumbing, and Mechanical specialties, the State of Minnesota as a Certified Building Official, and by the Colorado Department of Public Safety as a Certified Third Party Public School Inspector. Tim is currently employed by Colorado Code Consulting, LLC as a Plans Analyst & Code Consultant, and is active in inspections, plan review, and client consulting, and teaching duties on a daily basis.*





## E1) Fire Alarm Plan Review

Presented by **Thomas P. Hammerberg, SET, CFPS, Technical Director, Automatic Fire Alarm Association, Inc.** **FIRE & LIFE SAFETY TRACK**

This application course describes the common problems associated with the plan review process and offers suggestions for improvement by providing plan review and acceptance test checklists, spreadsheets to determine battery and voltage drop calculations, exercises to determine proper spacing of smoke detectors, exercises to determine proper audibility of fire alarm notification appliances and proper sizing and placement of visible notification appliances.

**Learning Objectives:** Upon completion of this seminar, the attendee will have a better understanding of the typical fire alarm calculations to better assure a reliable fire alarm system. Attendees will learn how to correctly determine how to properly determine battery and voltage drop calculations, how to determine fire alarm audibility before the building is built, how to determine proper strobe placement and candela ratings, and how smoke detector spacing is determined.

**Target Audience:** Any authorities having jurisdiction involved in fire alarm system plan review, contractors providing submittal documentation for plan review and fire alarm system designers.



Approved | Course #: 6248  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person

Please note: There is a \$30 course book fee required for this class. This fee will be added to the registration cost for each attendee.



Mr. Hammerberg has been in the alarm industry for 40 years and with AFAA for 21 years, serving as President/Executive Director from 2003-2014. Tom is NICET Level 4 certified in the field of Fire Alarm Systems and is a Certified Fire Protection Specialist. Tom represents AFAA on NFPA 3 and 4, the NFPA 72 Technical Correlating and Protected Premises Technical Committees, NFPA 90A and NFPA 101/5000 Building Services and Fire Protection Equipment and Fundamentals Technical Committees, the ICC Industry Advisory Committee, Life Safety Section of the International Association of Fire Chiefs and the Codes, Standards & Technical Research Committee of the Center for Campus Fire Safety. Tom is a frequent speaker at industry events and presents seminars nationally for AFAA.

## E2) Building High Performance Teams

Presented by **Tim Schneider, President, Soaring Eagle Enterprises, Inc.**

**LEADERSHIP TRACK**

Patrick Lencioni, author of the Five Dysfunctions of a Team called teamwork the secret ingredient to successful organizations. Within the secret of teamwork is the ability to have teams focused on mission and purpose, using genuine trust among team members and communicating throughout the team chain. Also key will be components related to feedback, forgiveness, understanding roles and using creativity.

**Learning Objectives:** Understand the key dynamics of teamwork and how they affect performance, engagement and service quality; develop genuine trust with team members and throughout the team; work to create a feedback culture in which team member provide the needed communication to achieve objectives.

**Target Audience:** Anyone who works with others in any capacity -- front line to senior executive level.



Approved | Course #: 5893  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



Tim Schneider's mission has always been "Committed Only to Your Success." Over the past twenty years, Tim has become one of the most sought after trainers, coaches, speakers and professional facilitators in the nation. Renowned for both his style and content, Tim delivers powerful messages about leadership, customer service, team work, communication and personal success. Stylistically, he brings an unparalleled enthusiasm, passion and power to his speaking and teaching which always infects his audience. His love of teaching and speaking becomes obvious within the first few minutes of each presentation. Equally obvious is his sense of humor and desire to make each session enjoyable and fun. You will also quickly see that Dr. Schneider never reads from a script and is very animated and in a constant state of motion while working. Tim is a widely recognized expert in leadership development, executive coaching and healthy organizations. He is the author of LeadWell-The Ten Competencies and the soon-to-be-released Beyond Engagement. Dr. Schneider is a member of the adjunct faculty for the University of Nevada, Las Vegas and the Community College of Southern Nevada and his professional accreditations include the American Society for Training and Development, International Speaker's Association, International Association of Facilitators, Society for Human Resource Development and Institute for Adventure Learning.

## E3) International Existing Building Code (Chapter 34)

Presented by **Hoyt Jeter, PE, ICC Certified Plans Examiner & Inspector, President, Clarity Consulting Engineers** **SPECIALTY CODE TRACK**

This class is an introduction to the critical concepts of the international existing building code. The course will provide a basis for using and applying the provisions through detail discussion. Recognition of the classification of work associated with an existing building. Life safety provisions and accessibility improvement will be addressed.

**Learning Objectives:** Recognize the limitations and extent of the code related to existing buildings; understand Structural requirements; understand Life safety Provisions; understand Accessibility Provisions; describe the alternative tabular method of evaluating existing buildings; identify unsafe interior finishes.

**Target Audience:** Building Officials, Inspectors, Plans Examiner, Architects, Engineers

**Class Materials to Bring:** International Existing Building Code (optional)



Approved | Course #: 6104  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



Hoyt Jeter has a total of 22 years in the fields of structural design and code plan reviews. He also has a total of 16 years in building code enforcement, reviewing construction plans and documents for compliance with multiple building codes and adopted ordinances in the States of Washington, California, Oregon, Alaska and Idaho. In addition, Hoyt was an instructor of building codes and plan review methodology for over ten years. He is a long term member of NCEES, assisting in the development of the professional engineering exam.

## E4) Things to Look for with Flashings/Moisture Control for Exterior Walls

Presented by **Frank Mendez, Territory Manager, Fortifiber**

**SPECIAL INTEREST TRACK**

We will review how to choose the right materials for exposure and cladding systems, proper sequencing of WRB and flexible flashing. We'll go over getting the details right for all thru wall penetrations, windows, doors, pipe penetrations, deck ledgers, and outside and inside corners. This class will cover residential, multi-family, light commercial and retrofit structures.

**Target Audience:** Code Officials, Plans Examiners, Building Inspectors



Approved | Course #: 6165  
Contact Hours: 6 | CEU: 0.60  
Type: In-Person



Frank is best known for his work with windows, having started his career with Premier Windows in the 1980's. He is an AAMA certified window and door installer and is also an accredited Weatherization Specialist. These skills have come together in the wet Pacific Northwest where Frank now helps builders, specifiers and architects deploy weatherization programs to prevent moisture intrusion in residential and commercial construction. When he is not defending buildings against the weather, he is outside playing in it. In his free time, Frank enjoys fishing and golfing, along with occasional birdwatching near his cabin on Mt. Hood.

# Important Institute Information

The OBOA Spring Educational Institute and Vendor Fair is presented annually by the Oregon Building Officials Association (OBOA) in Eugene, Oregon. This year's curriculum offers an intensive five-day program of pertinent, up-to-date training in numerous areas of specialty. We have designed our classes to meet your specific educational needs through four dedicated tracks: Fire & Life Safety, Leadership, Specialty Code, and Special Interest. One class in each track will be offered each day. We hope this helps in your scheduling and staffing calendars. Our high-quality education is beneficial and targeted to:

- Building Officials
- Plans Examiners
- Field Inspectors in Structural, Mechanical, Electrical & Plumbing
- Fire Prevention Personnel Industry Code Users & License Holders
- Architects
- Building Designers
- Builders
- Contractors
- Remodelers
- Any other professional in the building safety environment

## Continuing Education (CEU) Details

An ICC CEU is a continuing education unit; each 10 clock hours of continuing education equals 1.0 CEU. Our typical one-day session offers 6 hours of instruction, or 0.6 CEUs. Credit is awarded for a variety of activities wherein the objective is achieving relevant professional knowledge beyond that required for initial certification. Participation in all OBOA courses are approved for International Code Council (ICC) certification renewal continuing education credits as noted for each class. Please check with your appropriate jurisdiction and/or institution regarding your specific continuing education credit needs.



**OBOA is an approved International Code Council (ICC) Preferred Education Provider!** The Preferred Provider Program recognizes and promotes ICC-approved educational offerings as they relate to codes, standards and guidelines, as well as building construction materials, products and methods. ICC certificate holders may obtain ICC CEUs from Preferred Providers that can be applied toward the renewal requirements of ICC's certification program. It is the intent of OBOA that all classes offered at institutes will be approved for the Preferred Provider Program.

**Attention Oregon Architects!** It is important for OBOA to offer high-quality education to aligned industries and partners, so many of our classes can be taken for license renewal through the Oregon Board of Architect Examiners for Continuing Education Hours (CEHs). To be eligible for CEH credit, each course must meet the applicable parameters referenced in OAR 806-010-0145 Continuing Education. It is the responsibility of each individual to ensure the course meets these criteria for license requirements. Certificates of Attendance will be distributed to class participants for ease in individual submission and record keeping of continuing education requirements. For more information, please visit the state's website at [orbae.com](http://orbae.com).

## Paper Lite - Handout Details

OBOA is increasingly aware that every piece of printed paper has an impact on our event's carbon footprint. In an effort to minimize paper waste and reduce meeting costs, session handouts will NOT be printed for attendees. Instead, they will be provided to each attendee electronically in advance of the institute (emailed week prior).

**HERE IS HOW IT WORKS:** For each session you register for, you will receive an email with a link. This link will contain the handout, as provided by the instructor, for that class. You can either print and bring the handout material; or you can download and access it during the class (if you are bringing a laptop). To maintain the integrity of the class, please do not share this link with anyone else. It will be provided to registered attendees only. To ensure that you receive the course materials, you must provide an email address on the registration form.



If you wish to have printed materials provided on-site, attendees may pre-order a set of printed handouts for an additional fee of \$10 per class. If you wish to pre-order your session handouts, please order on the institute registration form.

## Schedule

The Institute registration desk opens at 7:30 am each day and a continental breakfast with coffee will be provided. Class sessions start at 8:30 am and end by 4:30 pm. There will be two breaks, typically taken at 10:00 am and 2:30 pm and lunch is from 12:00 to 1:00 pm. Registration fees include continental breakfast, breaks and lunch for the day(s) you are registered. Fees also include the electronic handout materials as provided by the instructor (details above).

## Code Books/Materials to Bring to Class

Each attendee is responsible for bringing the appropriate code books and materials to each class. Some classes may require an additional fee when a book will be provided. See session descriptions for specifics on each class requirement or suggested materials.

## Class Rosters – IMPORTANT

To receive ICC CEUs, attendees are responsible for documenting their attendance in each class they attend and to receive a Certificate of Attendance. Please note each attendee must SIGN-IN at the beginning of the class AND SIGN-OUT at the end of each class, per ICC Preferred Provider Program requirements. It is the sole responsibility of each attendee to sign in and out as appropriate and pick up the appropriate certificate for their own record keeping/submission. If you are a substitute attendee, it is very important that you communicate this change to the OBOA staff so that appropriate tracking/attendance is verified.



## Lodging

**HOTEL RESERVATION DEADLINE: MONDAY, MARCH 14**

A discounted room rate has been secured for all institute participants at the host hotel, Hilton Eugene, located at 66 East 6th Avenue – Eugene, OR 97401. Single rates are \$111 per night (not including applicable state and local taxes). Each attendee is responsible for making their own lodging arrangements. To make a reservation, please call the hotel directly at 1.800.937.6660 and ask for the Oregon Building Officials Association (OBOA) special room block group rate. Please speak with the reservation agent at the time of booking for cancellation and other hotel policies and procedures.

You can also book a room online at <http://bit.ly/1OXqqJy>

**Deadline for room reservations: Monday, March 14, 2016 – but we strongly encourage you to book your room as soon as possible to ensure availability (don't delay). Reservations made after this date are not guaranteed and are subject to space and rate availability.**

## Parking

Complimentary self-parking in the hotel's covered parking structure is available to all institute participants on a space and size available basis.

## Phones and Other Electronic Devices

Out of respect for the instructor and other attendees, please turn off or set your phones and electronic devices to silent/vibrating for the duration of each class.

## Vendor Fair – Show Your Support of the Industry by Exhibiting/Sponsoring at the OBOA Spring Institute

The Oregon Building Officials Association invites our industry partners and colleagues to participate in this educational event by exhibiting and sponsoring. Exhibits will be held each day of the institute (Monday through Friday) and is a cost-effective way for your company to showcase your products and services to this important and influential group. Sponsorship opportunities are also available and a great way to put your organization in the spotlight to this target audience.

Interested or have questions? Call Vicky Danielson in the OBOA office at 503.691.6262 or view exhibit/sponsor details, pricing, and online registration on the OBOA website [www.oregonbuildingofficials.com](http://www.oregonbuildingofficials.com).

Thank you to our current institute supporters! These companies have made an early commitment to exhibit at the 2016 OBOA Spring Institute and we appreciate their support! Please be sure to visit with each of them while they are with us.



(Tuesday & Wednesday)



(Monday, Tuesday, Wednesday & Thursday)



(Tuesday)



(Monday, Wednesday & Thursday)



(Monday & Tuesday)



(Monday & Tuesday)

## Registration Confirmation

A confirmation letter will be emailed to you immediately upon online registration. For those who fax/mail a registration form, you will receive a confirmation email upon processing in the OBOA office (approximately one week from receipt in the office; often times sooner). It is very important to ensure we have an accurate email address provided with every registration. No mailed confirmation will be sent.

## Cancellation Policy

Cancellations received on or before Friday, March 11 will receive their total registration fees minus a \$50 administrative processing fee. Cancellations received after March 11 and before March 18 will receive a 50% refund of their total fees. Cancellations received after March 18 are not eligible for refunds. No-shows and same-day cancellations will not be refunded any registration fees. There is no reduction in fees for partial attendance. All fees are considered payable upon receipt of registration. Substitutions (individuals from the same jurisdiction/company only) can be made if necessary and should be communicated in advance. Please advise the OBOA office if you will be sending someone in another's place. Because of financial and other commitments required on behalf of the association, there will be no exceptions made.

## Questions?

Call Amoreena Burke or Vicky Danielson in the OBOA office at 503.691.6262 or email [info@oregonbuildingofficials.com](mailto:info@oregonbuildingofficials.com).

**Register online at [www.oregonbuildingofficials.com](http://www.oregonbuildingofficials.com) or fax completed forms to 503.253.9172.**

Oregon Building Officials Association  
147 SE 102nd Avenue | Portland, Oregon 97216  
Phone: 503.691.6262 | Fax 503.253.9172  
Email: [info@oregonbuildingofficials.com](mailto:info@oregonbuildingofficials.com)  
[www.oregonbuildingofficials.com](http://www.oregonbuildingofficials.com)





# Oregon Building Officials Association 2016 Spring Educational Institute

## Registration Form

Please complete the following form in its entirety for each attendee. Send completed forms with payment to the OBOA office OR REGISTER ONLINE at [www.oregonbuildingofficials.com](http://www.oregonbuildingofficials.com).

Full Name & Designations: \_\_\_\_\_ Position Title: \_\_\_\_\_  
 Jurisdiction/Company: \_\_\_\_\_ Badge Name: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Business/ Daytime Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
**Email\*:** \_\_\_\_\_ Website: \_\_\_\_\_

*\*To receive a confirmation and course materials, you must provide an email address.*

**License, Member and/or Certification Number(s) - List All Current & Complete Information:**

AIA \_\_\_\_\_ BCD \_\_\_\_\_ ICC \_\_\_\_\_ Others \_\_\_\_\_

Special Needs - if you have any special requirements (such as dietary restrictions, handicap access, etc.) please indicate here so we can plan accordingly:

### 1 Make Class Selection(s) Here. One Class Per Day is Available.

- | Monday, March 28   | Tuesday, March 29  | Wednesday, March 30   | Thursday, March 31  | Friday, April 1  |
|--|--|---|---|--|
| <input type="checkbox"/> A1) Fire-Resistance Rated 101: CLT and Combustible Construction in the IBC<br><input type="checkbox"/> A2) Technology Today<br><input type="checkbox"/> A3) Electrical Plan Review and What is a Complex Installation<br><input type="checkbox"/> A4) Residential Inspections: From Footings to Final | <input type="checkbox"/> B1) Codes and Standards Overview of Water Based Fire Protection Systems<br><input type="checkbox"/> B2) Adapting to Change in the Workplace<br><input type="checkbox"/> B3) ATC-20 & ATC-45: Posting Buildings after a Natural Disaster & Coordination for Damage Assessment<br><input type="checkbox"/> B4) Do's & Don'ts: Connector Installation & Code, Deck Construction, Brace Walls & Trusses | <input type="checkbox"/> C1) Plan Review for Fire Protection Systems<br><input type="checkbox"/> C2) Oregon Statutes and Rules – What a Building Official Needs to Know<br><input type="checkbox"/> C3) OSSC 2014 Egress: Chapter 10 - From Inspection to Plan Review<br><input type="checkbox"/> C4) Causes, Symptoms and Solutions to Common Foundation Problems & an Introduction to Helical Foundation Systems and Hydraulically Driven Push Pier Systems | <input type="checkbox"/> D1) Kitchen Hood Systems & Code Officials Guide to UL<br><input type="checkbox"/> D2) The Heart of Leadership<br><input type="checkbox"/> D3) IBC Chapter 11 Oregon Building Code<br><input type="checkbox"/> D4) Marijuana Facilities in Oregon | <input type="checkbox"/> E1) Fire Alarm Plan Review*<br><input type="checkbox"/> E2) Building High Performance Teams<br><input type="checkbox"/> E3) International Existing Building Code (Chapter 34)<br><input type="checkbox"/> E4) Things to Look for with Flashings/Moisture Control for Exterior Walls |

I would like to attend B5) Code Gurus Meet & Greet – Hosted Networking Reception | Tuesday, March 29, 5:00 – 6:00 pm  
*(All attendees invited; Free with registration!)*

### 2 Registration Options – Save Money – Register by March 7

Please check one box below. Registration fees are per class/day and include: class instruction and electronic handout material (as provided by each instructor), continental breakfast, breaks, and lunch. Codes and other reference books are not provided unless otherwise noted. Verify each class description for required or suggested supplies.

<b>Discounted/Early Registration</b>	<b>Late or On-Site Registration</b>
On or Before March 7	After March 7
OBOA Member ..... <input type="checkbox"/> \$225 .....	<input type="checkbox"/> \$275 .....
Non-Member** ..... <input type="checkbox"/> \$300 .....	<input type="checkbox"/> \$350 .....

x # of days \_\_\_\_\_ = \$ \_\_\_\_\_  
 x # of days \_\_\_\_\_ = \$ \_\_\_\_\_

\*\*Check here if you are a member of the Oregon Fire Marshals Association (OFMA). OBOA is proud to offer our discounted member pricing to OFMA members. Membership will be verified upon processing.

If you are Laid Off Staff or a Student, we offer a \$100 discount on your registration for each class/day (ex: 1 class=deduct \$100 / 2 classes=deduct \$200, etc.). To qualify for the discount, please list the jurisdiction last worked for or name of educational institution here: \_\_\_\_\_

**Subtract** Laid off Staff or Student Discount From Above Total: # of days \_\_\_\_\_ x \$100 = \$ \_\_\_\_\_  
 \*E1 registrants must **add** \$30 course book fee \$ \_\_\_\_\_

**2** Registration Fees Total \$ \_\_\_\_\_

### 3 (Optional) Printed Handouts

Printed handouts are NOT included in registration fee. If you would like to pre-order printed handout(s) for your session(s), please purchase here.

Please note handouts are available electronically at no additional charge one week prior to the institute. (See Important Information page for details.)

For which classes (A1, B1 etc.): \_\_\_\_\_ **3** # of printed handouts: \_\_\_\_\_ @ \$10 per class = \$ \_\_\_\_\_

**2** + **3** = Total Due \$ \_\_\_\_\_

#### **Cancellation Policy**

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#### **Payment Options**

Check, Payable to OBOA    Credit Card:     Mastercard     Visa     Discover     American Express — Fax credit card payments/forms to 503.253.9172

Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_ Amount \$ \_\_\_\_\_  
 Name on Card \_\_\_\_\_ Signature \_\_\_\_\_  
 Card Billing Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Email Receipt to \_\_\_\_\_

**Return Completed Form to OBOA - 147 SE 102nd Avenue • Portland, Oregon 97216 • Fax 503.253.9172**

You can also register online at [www.oregonbuildingofficials.com](http://www.oregonbuildingofficials.com) • Questions? Call 503.691.6262 • Keep a copy of this information for your records.