

September 20-22, 2023  
Aspire Hotel at Eisenhower Conference Center, Gettysburg, PA

# CONFERENCE & TRADE SHOW



## ATTENDEE REGISTRATION

REGISTER ONLINE AT  
[www.PENNBOC.org](http://www.PENNBOC.org)

Pennsylvania Building Officials Conference  
PO Box 82 | Bethlehem, PA 18016  
(717) 730-6036 | [www.PENNBOC.org](http://www.PENNBOC.org)

# 2023

# You're Invited to Attend the 2023 PENNBOC Conference & Trade Show!

The 2023 Conference and Trade Show will be held on **September 20-22, 2023**, in the Aspire Hotel at the Eisenhower Conference Center, Gettysburg, PA.

PENNBOC is offering building code professionals the opportunity to choose from full- and half-day courses focusing on a variety unique topics!

The conference is designed to fit your schedule! You can attend one, two, or the entire two and one-half day conference format. There are also options to attend select seminars virtually.

Network with colleagues from around the Commonwealth, interact with vendors, and obtain training in a number of areas!

Just complete & return the enclosed registration form or register/pay online at the PENNBOC website: [www.PENNBOC.org](http://www.PENNBOC.org).



## Attendee Deadlines

Early Bird Deadline: Sep. 8th

Registration Deadline: Sep. 18th

**Register online at [www.PENNBOC.org](http://www.PENNBOC.org)**



## CONFERENCE VENUE

### Aspire Hotel at the Eisenhower Conference Center

2632 Emmitsburg Road

Gettysburg, PA 17325

Hotel Phone: (717) 334-8121

<https://aspirehotelpa.com>



Simple contemporary luxury at its best. Overlooking the historic Gettysburg battlefields and less than 5 miles to the epicenter of our nation's democracy, The Aspire Hotel is located a short drive from major metro areas. With a sprawling manicured front lawn dotted with 100-year old maples, the Aspire Hotel is located on the Eisenhower Conference Center Property.

PENNBOC conference goers can receive a special discount rate of \$139+ tax per night which includes a hot breakfast buffet. Use the Group Name: **PA Building Officials Conference** when making your guest reservations. The hotel group rate discount is available until **Sep 12th**.

# ATTENDEE REGISTRATION FORM

Attendee Name: \_\_\_\_\_

Jurisdiction/Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

PENNBOC Member? ☐ Yes; ☐ No; ☐ Yes, I'm a new member joining today (add \$85 to total due)

Where have you seen the conference advertised? ☐ Email; ☐ Mail; ☐ Internet Search; ☐ Facebook; ☐ Word of Mouth  
☐ PENNBOC Website; ☐ Through Another Organization; ☐ Other

## REGISTRATION INFO

I am registering for: *(please indicate your selections below)*

### Member Rates

Full conference: ☐ Early Bird Fee (until Sep 8th) - \$425  
☐ Standard Fee - \$475

By-the-day conference: ☐ Wednesday Only - \$235  
☐ Thursday Only - \$235  
☐ Friday Only - \$100

### Non-Member Rates

☐ Early Bird Fee (until Sep 8th) - \$525  
☐ Standard Fee - \$575

☐ Wednesday Only - \$290  
☐ Thursday Only - \$290  
☐ Friday Only - \$125

Virtual seminars: Visit [www.PENNBOC.org](http://www.PENNBOC.org) to register for the virtual live-stream version of select seminars

## CONFERENCE SEMINAR SELECTIONS *(Select your desired seminars below.)*

|               | Track 1  | Track 2  | Track 3  | Track 4   |
|---------------|--|--|--|---|
| <b>Wed AM</b> | <input type="checkbox"/> Selected Topics in Residential Construction                               | <input type="checkbox"/> Basics of the International Building Code                     | <input type="checkbox"/> Understanding and Implementation of Ch 1 of the IFC | <input type="checkbox"/> Warrants, Entry Issues, and Courtroom Testimony for the Code Official (full day) |
| <b>Wed PM</b> | <input type="checkbox"/> Basic Building Vocabulary   | <input type="checkbox"/> Fundamentals of Plumbing Theory                               | <input type="checkbox"/> Fundamentals of Fire Submittal Review               |   |
| <b>Thu AM</b> | <input type="checkbox"/> 2018 ISPSC Design, Installation and Inspection Principles (full day)      | <input type="checkbox"/> Alternative Energy Systems for Building Inspectors            | <input type="checkbox"/> Kitchen Suppression Systems                         | <input type="checkbox"/> Pennsylvania Building Code Official (BCO) Update (full day)                      |
| <b>Thu PM</b> |  | <input type="checkbox"/> Accessibility and Insights to Accessibility Audits            | <input type="checkbox"/> Industrial Explosion Protection                     |   |
| <b>Fri AM</b> | <input type="checkbox"/> Comprehensive Deck Design From Footings to Guards: Learning From the Past | <input type="checkbox"/> Basic Engineering for Building Plans Examiners and Inspectors | <input type="checkbox"/> ERCES & Bi-Directional Amplification Systems        | <input type="checkbox"/> Understanding and Implementation of Ch 1 of the IPMC                             |

## PAYMENT *(Return form & payment to: PENNBOC, PO Box 82, Bethlehem, PA 18016)*

TOTAL AMOUNT DUE: \$\_\_\_\_\_ ☐ Check Enclosed, or

☐ Pay by Credit Card  
Circle: VISA MASTERCARD DISCOVER AMEX  
Name: \_\_\_\_\_  
Card No. \_\_\_\_\_  
Expiration \_\_\_\_/\_\_\_\_ CCV # \_\_\_\_\_

**Save Time: Register & pay online at [www.PENNBOC.org](http://www.PENNBOC.org)**



# SEMINAR DESCRIPTIONS (Subject to change)

You can mix-and-match conference seminars from four different tracks. All morning sessions run from 8:30am until 12:00pm; afternoon sessions run 1:30pm until 5:00pm. Full-day seminars are approved for 6 hours of continuing education training; half-day seminars are approved for 3 hours of continuing education training.

## WEDNESDAY, SEP. 20th

### MORNING SEMINARS:

#### Selected Topics in Residential Construction

*Brian Wolfgang, Pennsylvania Housing Research Center*

The challenges facing the residential construction industry are widespread as new technologies, materials, and construction techniques continue to gain prominence. This session will dive into three different areas that continue to be a source of attention for industry professionals, including the PA Alternative Residential Energy Provisions, adhered masonry veneer assemblies, and mechanical ventilation. Each of these topics addresses different areas of the construction process and require some discussion of code enforcement, design strategies, and material selection.

#### Basics of the International Building Code

*Walter Schneider, CRCA*

Many times, the building code official may be able to apply individual code sections to a building or proposed project but do not understand the fundamental basis and significance of the code provisions. The course is designed to introduce the student to the fundamental concepts of occupancy, building construction type, height, area, and egress. The course will also address how these concepts interact to affect the safety of the building occupants.

#### Understanding and Implementation of Chapter 1 of the IFC

*William Yeagley, Lower Allen Township; James Lucas, Limerick Township*

The International Fire Code (IFC) is a set of regulations and standards developed by the International Code Council (ICC) to establish minimum fire safety requirements for buildings, facilities, and

properties. Chapter 1 of the IFC provides the scope and purpose of the code, along with definitions that are essential for understanding the subsequent chapters. Although the PA UCC does not adopt Chapter 1 of the IFC, many municipalities have opted to adopt the entire IFC for annual maintenance of regulated systems and operational permits. This course will provide the student with a general overview of Chapter 1 of the International Fire Code. Applicability, general authority, responsibilities, permits, inspections, and maintenance will be covered. Boards of Appeals, violations, unsafe buildings and stop work order will also be discussed.

#### Warrants, Entry Issues, & Courtroom Testimony for Code Officials (FULL DAY)

*Michelle Mayfield, Esq., HVM&L P.C.*

This full day presentation addresses legal elements associated with code enforcement and courtroom testimony. This course is designed to give the participant a solid understanding of the legal and practical issues associated with obtaining warrants, serving warrants, and entry issues that building code officials must deal with when conducting inspections and other enforcement activities. Attendees will learn and be encouraged to address daily complaints and enforcement actions as if those actions were heading to court. Emphasis will be placed on proper case preparation by the code official prior to and during complaint receipt or observation(s), the perseverance due process rights, and understanding court procedural rules regardless of the court proceeding level. Proper documentation, evidence collection and preservation, court preparation, and effective testimony will be covered throughout this informative session designed as a replicated courtroom set up within the classroom. Actual attorneys and a judge will facilitate the testimony portion. It is rare to find a practical testimony course designed for code officials particularly one overseen directly by officers of the court. A desire

to learn and willingness to actively participate will best prepare the code official for any courtroom appearances.

### AFTERNOON SEMINARS:

#### Basic Building Vocabulary

*Walter Schneider, CRCA*

While code officials are taught the basics of the building code, they are not often taught how a building goes together and the proper terminology to use in referring to building elements. This course is designed to educate the building code official, inspector, and plans examiner on the basic vocabulary used in the building industry and how those elements are used in the built environment.

#### Fundamentals of Plumbing Theory

*Jay Montgomery, City of Reading*

Many times, the building code official may be able to apply individual plumbing code sections to a building or proposed project but do not understand the fundamental basis and significance of the plumbing code provisions. The course is designed to introduce the student to the fundamental concepts of plumbing systems including supply, drain/waste, and venting. The course will also address how these concepts interact to affect the safety of the building occupants and proper performance of the plumbing system.

#### Fundamentals of Fire Submittal Review

*Jeremy Searfass, City of Reading*

During the building permit application process, the submittals for fire alarms, sprinklers, and fire specialty systems are submitted for review and comment. Many times, review of these submittals can be daunting. They involve the application of reference standards in addition to the code requirements. The application of these standards may be complex where the code has not completely adopted



# SEMINAR DESCRIPTIONS (continued)

them or where the code has modified them as part of the adoption. The program will give students the fundamentals of conducting fire submittal review and direct them through the application of referenced standards in a straightforward, understandable manner.

## THURSDAY, SEP. 21st

### MORNING SEMINARS:

#### **2018 ISPSC Design, Installation and Inspection Principles (FULL DAY)**

*Gary Gauthier, International Code Council*

This full day seminar will provide an overview of the key information in the 2018 International Swimming Pool & Spa Code (ISPSC) as well as the technical information recommended for plan review and field inspections for new construction and remodeling. Learners will explore the compliance of standard requirements for pool and spa safety features such as enclosures, latching, diving boards, suction protection, equipment design, installation, functionality, sanitation, and disposal. The course will identify the safety hazards that are often faced in the profession and how to avoid them and will provide detailed instructions on how to design, plan review and inspect a safe hydraulic system and identify the required documentation that must be submitted to a building department in order to obtain a pool permit and will also offer guidelines about how to recognize a safe hydraulic design as well as the required data and documentation that must be submitted in order to approve a residential pool permit. Included is also information for inspectors and plan reviewers as to how to recognize a safe hydraulic design and the information that should be supplied in order to approve a commercial pool permit.

#### **Pennsylvania Building Code Official (BCO) Update (FULL DAY)**

*Walter Schneider, CRCA*

This full day program will provide the student with an overview of the Uniform Construction Code of Pennsylvania

administrative provisions and how they interact with the International Code Council family of codes for the day-to-day administration of the code in the Commonwealth. The student will be introduced to the functions of the UCC Review and Advisory Council and how the Commonwealth triennial code update occurs. In addition, the student will be introduced to the need for a permit and the exemptions that may preclude the issuance of a permit. The student will be introduced to Chapter 401, 403, and 405 of the Pennsylvania UCC and their applicability. The student will understand what projects require building permits and any applicable exemptions. The student will be able to apply the administrative provisions of the UCC to building construction projects in the Commonwealth.

#### **Alternative Energy Systems for Building Inspectors**

*Jeff Bower, Constellation Energy*

With the advent of relatively economical alternative energy systems, property owners want to harness the "free" energy of the environment. This results in the need to interface these systems with the building electrical system to allow the use of the energy in the building. In order to be able to conduct a plan review, and inspect these systems, the building official needs to understand how to identify the system elements, how the systems function, the applicable codes that regulate them, and how to apply the code provisions. The course will provide a basis for the student to work with these systems in plan review and inspection.

#### **Kitchen Suppression Systems**

*Michael Bretzger, Johnson Controls*

This seminar will cover the inspection and maintenance of kitchen suppression system. Attendees will learn about the design of kitchen suppression systems; nozzle coverage per appliance; and, proper extinguisher and coverage in a kitchen environment.

### AFTERNOON SEMINARS:

#### **Accessibility and Insights to Accessibility Audits**

*Matthew Kegg & Scott Merryman, PA Department of Labor & Industry*

This course is presented by the Director of the Bureau of Occupational & Industrial Safety, Matthew W. Kegg, and the UCC Accessibility Audit and Training Administrator, Scott Merryman. In this course, attendees will be presented with information related to accessibility codes in Pennsylvania. They will be presented with information related to the Commonwealth Court case *Pennsylvania Builders Association v. Department of Labor & Industry* and its impact on the regulated community. Presenters will also cover accessibility features and the accessibility audit process, along with common findings. The attendees are also afforded an opportunity to discuss educational opportunities that arise during the audit and learn how the Department is enhancing its interactions with code officials across the Commonwealth.

#### **Industrial Explosion Protection**

*Michael Carlin, IEP Technologies*

Industrial explosions present serious risk to any company that manufactures or handles combustible dusts and vapors. An ignition of a dust or vapor cloud in process equipment can not only destroy the primary vessel, but also propagate to interconnected equipment and into the plant, causing secondary explosions with devastating results. Fortunately, there are proven ways to deal with this threat. This presentation will discuss how explosions initiate and propagate, the types of processes and process equipment most commonly exposed to deflagrations, explosion prevention considerations, and the various methods of deflagration protection that can be employed to protect facilities against explosions, including explosion suppression, venting and isolation.

# SEMINAR DESCRIPTIONS

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## FRIDAY, SEP. 22nd

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### MORNING SEMINARS:

#### **A Comprehensive Deck Design From Footings to Guards: Learning From the Past**

*Christopher Hine, Pennsylvania Housing Research Center*

In this Residential Deck session, we will look at past deck failures and briefly review the potential root cause of that failure. We will then look through the comprehensive provisions in chapter 5 of the 2018 IRC, along with some additional guidelines to see how current codes and guidelines have evolved in response to previous failures.

#### **Basic Engineering for Building Plans Examiners and Inspectors**

*Walter Schneider, CRCA*

While the building plans examiner, building inspector, and building code official are not designing the proposed building project, they need to understand some basic engineering concepts to fully understand what they are reviewing. The course is designed to introduce the student to basic engineering concepts

including determination of basic loads, application of load, load combinations, geometric cross-section properties, support conditions, material properties, material stresses, and response to load. In addition, the student will be introduced to the concept of structural analogy and how to convert a real structure into its analogous structure for evaluation. The application of these topics to the structural provisions of the code will be introduced.

#### **ERCES & Bi-Directional Amplification Systems**

*Derek Case, Radio Solutions Inc.*

This presentation will provide an overview of public safety radio systems including an introduction to Emergency Responder Communications Enhancement Systems (ERCES) and Bi-Directional Amplification (BDA) solutions. Attendees will learn about the system IFC, IBC, and NFPA code requirements as well as the UL 2524 Standard and UL listing requirements. The instructor will cover methods to avoid interference and assure code compliance, FCC registration requirements; provide a review of AHJ specifications and A&E requirements. Attendees will become familiar with how to inspect and certify a BDA / ERCES system.

#### **Understanding and Implementation of Chapter 1 of the IPMC**

*William Yeagley, Lower Allen Township; James Lucas, Limerick Township*

Chapter 1 of the International Property Maintenance Code covers the scope and purpose of the code, definitions of terms used throughout the code, and general provisions that apply to property maintenance regulations. This course will provide the student with a general overview of Chapter 1 (Scope and Administration) of the International Property Maintenance Code. Applicability, inspections, duties and powers, violations, and notices of violation will be covered. Unsafe structures, emergency measures and demolition of structures will be discussed. Board of Appeals and stop work orders will also be reviewed.

**REGISTER TODAY AT [www.PENNBC.org](http://www.PENNBC.org)**

## VIRTUAL LIVE-STREAMED SEMINARS

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Select seminars at the conference will be live-streamed virtually for those who may not be able to physically attend the conference & trade show. These seminars are delivered via Zoom. Morning sessions run from 8:30am until 12:00pm; afternoon sessions run 1:30pm until 5:00pm. Registration for the virtual versions of training may only be accomplished through the PENNBC website at [www.PENNBC.org](http://www.PENNBC.org). (*Descriptions can be found above.*)

### WEDNESDAY WEBINAR OFFERINGS:

Morning:           **Basics of the International Building Code**

Afternoon:       **Basic Building Vocabulary**

### THURSDAY WEBINAR OFFERINGS:

Full Day:           **Pennsylvania Building Code Official (BCO) Update**

### FRIDAY WEBINAR OFFERING:

Morning:           **Understanding and Implementation of Chapter 1 of the IPMC**

# CONFERENCE SCHEDULE

## Wednesday, September 20th

- 7:30am Attendee Registration & Full Breakfast
- 8:30am Morning Seminars
- 12:00pm Plated Lunch / Annual Meeting & Elections
- 1:30pm Afternoon Seminars
- 5:00pm President's Welcome Reception

## Thursday, September 21st

- 7:30am Attendee Registration & Full Breakfast  
*sponsored by*  **OPENGOV**
- 8:30am Morning Seminars
- 12:00pm Buffet Lunch
- 1:30pm Afternoon Seminars
- 5:00pm Happy Hour Reception

## Friday, September 22nd

- 7:30am Attendee Registration & Full Breakfast
- 8:30am Morning Seminars
- 12:00pm Conference Ends



## CEU INFORMATION

Every training session offered at the conference has been submitted to the ICC for PPP recognition. The PA Department of Labor & Industry accepts PPP CEUs and makes no distinction between them and traditional CEUs. PENNBOC will email certificates of completion for each seminar. ***Please ensure you provide us with a valid email address.***

# MEALS & RECEPTIONS

**Your conference registration includes meals and receptions throughout the event.**

All attendees are provided full hot buffet breakfast each morning at 7:30am before classes begin.

Lunches are provided to conference participants on Wednesday (plated) and Thursday (buffet).

Based upon attendee feedback, we are making our evening receptions more casual and focused on social networking. Instead of formal sit-down dinners, we will be hosting happy hour receptions with hot carving stations, finger-foods, and complimentary drink tickets. Join your colleagues each evening from 5:00pm until 7:00pm.



**Register online at**  
**[www.PENNBOC.org](http://www.PENNBOC.org)**

Early Bird Deadline: Sep. 8th  
Registration Deadline: Sep. 18th

## CANCELLATION POLICY

*Written cancellation must be received 5 working days prior to event. Training or Conference registrations will be returned minus a \$25 processing fee. With less than 5 days' notice, all unrecoverable expenses are forfeited; any balance remaining may be applied to future training. No refund on balances will be made. There are no refunds for membership dues.*