

# 12TH ANNUAL



## **Firefighting-Building-Electrical COMBINED CONFERENCE Plumbing/HVAC-Fire Prevention**

JULIAN CARROLL CONVENTION CENTER  
415 PARK AVENUE, PADUCAH, KY  
THURSDAY, OCTOBER 17, &  
FRIDAY, OCTOBER 18, 2024, 8:00 A.M.

# Thursday, October 17th Classes:

## ELECTRICAL:

### **Job Site NEC Subjects**

KY License Laws: Recent Changes

Apprenticeship: What it Means

Important Changes in the NEC Since the 1960's

Open Discussion of NEC (throughout the class)

The Differences Between Design/Specifications verses the NEC.

Bonding, Grounding Tables, Wire Sizing

Raceway supports Required Minimum Spacing, Box sizing (fill), Conduit sizing (fill), Wireways (fill),

Design a Circuit Based on the NEC, Correction and Adjustment Factors, with Temperature Ratings of Terminations and Devices Considered, Sizing the OCP, and Wire Sizes Based on Articles 110, 240, and 310.

This course will be instructed by Jonathan Dougherty.

## NFPA: Several Current NFPA Topics to be covered:

### **Leadership in a Fire Prevention Organization – What is Your Mission?**

This session will combine the fire service and military leadership lessons and focus on transitions from the reactive world of fire operations to the proactive mindset associated with leading a Fire Prevention Organization through a culture change.

### **How a Fire Becomes a Fire Code**

This session will examine several historic fire incidents and explain how those incidents helped develop the codes and standards currently in use. We will also explore the codes and standards development process to better allow all attendees to become involved in and influence the development of these important consensus documents.

### **Course Title: Politics for the Non-Politician/Fire Code Official**

This session is one segment of the International Fire Marshals Association Management Institute. It will provide an overview of the importance of the NFPA Life Safety Ecosystem component of the Government's (and the politician's) role in the Fire and Life Safety Ecosystem and how everyone from the fire inspector to the code official can influence that component.

### **Growing Pains – Fire Safety in the Budding Marijuana Industry**

This session will explore the fire hazards associated with the cultivation, processing, and sale of cannabis and cannabis extracts.

We will also look at how current building and fire codes mitigate those hazards when appropriately applied and enforced.

Robby Dawson of NFPA will be the instructor.

## NFSA (Sprinkler Systems): Fire Sprinklers & Firefighters - Training & Tactics in Buildings with Sprinkler & Standpipe Systems using NFPA 13 E (Classroom & Hands-On Opportunities, MAXIMUM 40 Participants)

This program provides fire department chief and company officers, training instructors, firefighters, and authorities having jurisdiction with information and recommended practices to This five-hour program provides attendees with an overview of "NFPA 13E: Recommended Practice for Fire Department Operations in Properties Protected by Sprinkler and Standpipe Systems", which provides information for pre-incident planning and fireground operations for buildings equipped with fire sprinklers and/or standpipes. Participants will participate in hands-on exercise with NFSA Valve Trailer that features wet, dry, and pre-action system risers, and standpipe hose connections. This course will be instructed by Ron Ritchey and Brian Biggs of NFSA.



# THURSDAY EVENING

HOSPITALITY NIGHT PROVIDED BY  
IAFF LOCAL 168  
**PADUCAH PROFESSIONAL FIREFIGHTERS**  
10/17/24@ 5:30 PM  
Parking Lot behind Holiday Inn Riverfront  
Food-Beverages-Fun

## Friday, October 18th Classes:

### FIRE SERVICE:

#### **Morning Session: A Look in the Mirror of Leadership**

Before moving forward, a person or an organization must look in the mirror to find out what is working and what needs changing.

The mirror shows the reflection of what is, not necessarily what is to come.

The future is not up to someone else, but rather it's up to those looking back in the mirror.

BGFD looked in the mirror and what we found was not sustainable for our future, if we wanted a better FD for the road ahead.

#### **Afternoon session: "Fundamentals of the Best Damn Fire Departments in the Profession" and how we can stay ahead of the game.**

- communication
- recruitment / retention
- fitness
- peer support... mental health
- pride and ownership
- promotional process
- succession planning

### ELECTRICAL:

#### **Analysis of Changes-2023 NEC**

This course is designed to cover the major changes in the National Electrical Code for the 2023 NEC code cycle. There are new articles that will be discussed and well as numerous changes and some re-organization for this code cycle. Instructed by Jeff Fecteau of UL.

### BUILDING:

#### **Post Disaster Building Safety Assessments for Contractors & Building Officials**

This course will offer the understanding of the essential materials and components of structures, and how they behave when subjected to normal and extreme loading. Attendees will understand how buildings are classified by Engineers and what are their common characteristics, how building structures can be separated into specific types that exhibit unique collapse patterns when subjected to extreme forces due to earthquake, wind, and explosions. This course will be instructed by Raaf Stevens.

# Friday Classes Continued:

## FIRE ALARM:

### **Morning Session – NFPA 72 Back to Basics**

This session takes a comprehensive look at two commonly applied chapters within NFPA 72. Chapter 10, Fundamentals and Chapter 23, Protected Premises Fire Alarm and Signaling Systems, include requirements that are often overlooked or under used. This session will review the two core chapters which cover a wide range of requirements and options for designers and installers. Fire marshals, fire inspectors, and plan reviewers attending the session will be exposed to requirements that can affect their daily experience with fire alarm and signaling systems.

### **Afternoon Session – Significant Changes to the 2025 Edition of NFPA 72**

The 2025 edition of NFPA 72 was recently released following three years of work by the nine technical committees responsible for reviewing and processing proposed changes and developing new content for the document. More than two hundred changes were incorporated into the latest edition of the code including significant new requirements related to cybersecurity. This session will examine some of the impactful changes found in the 2025 edition and how they might impact fire alarm system design, installation, and testing. Attendees will get a look at the current state of fire alarm and signaling requirements. The instructor for this course will be Warren Olsen, CFPS CBO.

## SPRINKLER:

### **NFPA 13 – Rough and Final Inspections of Fire Sprinkler Systems**

This one-day seminar provides attendees with vital information on how to conduct the field inspections for new fire sprinkler and standpipe systems. Fire sprinklers and standpipes are installed in stages and inspections are required before commencing to the next stage. The codes require periodic on-site inspections as the work progresses, to be installed according to the approved construction documents. This work is required to be inspected and approved before being covered or before the system is commissioned. This course points out the visual and physical inspection requirements of the latest codes and standards. Attendees are encouraged to bring a copy of NFPA 13, NFPA 14 and IBC or IFC to class. Ron Ritchey and Brian Biggs will instruct this class.

## PLUMBING:

### **Tankless Water Heater Designs & Technology**

At the completion of this training, the individual will be able to explain the designs and applications of tankless water heaters and how they may affect consumer lifestyles as well as maintenance and service of the units. Instructed by Russell “Rusty” Scaggs.

### **HVAC Codes and Regs**

This is a very packed class offering all things HVAC from the most common citations to the top 5 things that fail on an inspection to how to prepare to take the Journeyman and Master tests. This portion of the class will be instructed by Mark Hayden.

Instructors Bios Available on the Conference website:

<http://paducahky.gov/annual-conference-information>



Lodging available at a discounted rate,

Holiday Inn Riverfront

600 N 4th St, Paducah, KY 42001

Call (800) 465-4329 Block Code: PFD

# Conference Sponsorship Opportunities Available



## 2024 Paducah Fire Department Combined Conference Sponsorship Levels



### 1 Alarm

**\$250**

Company Name on Conference Sponsorship Banner, 1 Alarm Level

Recognition through Social Media Channels, Grouped with Level

Vendor/Display Booth at Conference

Eighth of Page Ad in Conference Program

Sponsor Provided Item/Flyer in Registration Bags

### 3 Alarm

**\$500**

Company Name on Conference Sponsorship Banner, 3 Alarm Level

Recognition through Social Media Channels, Grouped with Level

Vendor/Display Booth(s) at Conference

Quarter of Page Ad in Conference Program

Sponsor Provided Item/Flyer in Registration Bags

### 5 Alarm

**\$1,000 or More**

Company Name on Conference Sponsorship Banner, 5 Alarm level

Recognition through Social Media Channels

Vendor/Display Booth(s) at Conference

Half Page Ad in Conference Program

Sponsor Provided Item/Flyer in Registration Bags

Individual Company Banner at Conference

Dinner with the Mayor\*

\*A representative of your organization will be invited to a

private dinner with the Mayor & other 5 Alarm sponsor reps.

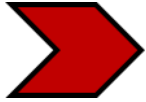
**Contact Deputy Fire Marshal April Tinsman at 270-444-8522 or [atinsman@paducahky.gov](mailto:atinsman@paducahky.gov) to become a supporter of this conference!**



# PFD 12<sup>TH</sup> ANNUAL COMBINED CONFERENCE

JULIAN CARROLL CONVENTION CENTER, 415 PARK AVENUE, PADUCAH, KY  
 THURSDAY, OCTOBER 17, FRIDAY, OCTOBER 18, 2024  
 REGISTRATION BEGINS AT 7:30 AM., CLASSES AT 8:00 AM

NAME: \_\_\_\_\_  
 (LAST) (FIRST) (INITIAL)



**THURSDAY, OCTOBER 17<sup>TH</sup>, 5:30 PM, HOSPITALITY EVENT (OPTIONAL)  
 BEHIND THE HOLIDAY INN, 600 N 4<sup>TH</sup> STREET,  
 SPONSORED BY IAFF LOCAL 168**



**→ PLEASE SELECT ONE CLASS EACH DAY THAT YOU ARE ATTENDING ALL CLASSES ARE 8:00 A.M. TO 4:30 P.M. ←**

**THURSDAY:**

- \_\_\_\_\_ **NFPA:** How a Fire Becomes a Fire Code; Management v/s Leadership; Politics & the Political Environment; The Budding Marijuana Industry
- \_\_\_\_\_ **NFSA (Sprinkler Systems):** Fire Sprinklers & Firefighters-Training & Tactics in Buildings with Sprinkler & Standpipe Systems using NFPA 13 E (Classroom & Hands-On Opportunities, MAXIMUM 40 Participants)
- \_\_\_\_\_ **Electrical:** \* Job Site NEC Subjects: Ky License Law, Apprenticeship defined, Wire Sizing, Design/Spec vs the NEC, Bonding/ Grounding Tables, Open Discussion of the NEC \* (This style of class is designed for Electrical Inspectors, Architects & Engineers- formerly offered on Saturday)

**FRIDAY:**

- \_\_\_\_\_ **Fire Service:** A Look in the Mirror of Leadership
- \_\_\_\_\_ **Electrical:** Analysis of Changes-2023 NEC
- \_\_\_\_\_ **Building:** Post Disaster Building Safety Assessments for Contractors & Building Officials
- \_\_\_\_\_ **Sprinkler Systems:** NFSA: Rough and Final Inspections of Fire Sprinkler Systems
- \_\_\_\_\_ **Fire Alarm:** Back to Basics-NFPA 72 Ch 10 Fundamentals & Ch 12 Circuits & Pathways; Significant Changes 2025 Edition of NFPA 72
- \_\_\_\_\_ **Plumbing/HVAC:** Tankless Water Heater Designs & Technology; HVAC Codes and Regulations

PHONE: \_\_\_\_\_ EMAIL ADDRESS: \_\_\_\_\_

REPRESENTING: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_


**◀ NO REGISTRATION FEES, LUNCH TO BE PROVIDED, CEU'S AVAILABLE ▶**

E-Mail Registration Form to: [atinsman@paducahky.gov](mailto:atinsman@paducahky.gov), or Mail to:  
 PFD, Fire Prevention Division Attn: April Tinsman, P.O. Box 2267, Paducah, KY 42002

Discounted Lodging rates: Holiday Inn Paducah Riverfront, 600 N 4<sup>th</sup> St, Paducah, KY  
 Call (270) 366-7614 Block Code: PFD, or mention Paducah Fire Dept for reservations  
 Online booking available at: [www.holidayinn.com/paducahky](http://www.holidayinn.com/paducahky)

**Please call (270) 444-8527 for any additional conference information**

Visit  
[PaducahFireConference.com](http://PaducahFireConference.com)  
 Or Scan QR  
 Code to Register Online



Paducah Fire Department  
Fire Prevention Division  
P.O. Box 2267  
Paducah, KY 42002

Paducah Fire Department  
12th Annual Combined Conference



**Firefighting~Building~Electrical**  
**COMBINED CONFERENCE**  
**Plumbing/HVAC~Fire Prevention**



October 17 & 18, 2024  
Julian Carroll Convention Center