

Paducah Fire Department

8th Annual



Firefighting~Building~Electrical

COMBINED CONFERENCE

Public Education~Fire Prevention

October 25 & 26, 2019

Julian Carroll Convention Center

THURSDAY EVENING



Hospitality Tent
Provided by

IAFF LOCAL 168
Paducah Professional
Firefighters

10/24/19-6:00 PM

Julian Carroll Convention Center

Friday Classes

FIRE SERVICE:

“This is Not Your Grandfather’s Fire Service”

Today's Fire Service is an ever-changing profession. Recently, many studies have been done on our tactics that are producing hard to swallow changes and catchy phrases like "hitting it hard from the yard". One must ask themselves "are we re-inventing the wheel, or do we really need to better understand our trade".

This program will discuss today's fireground and how we need to understand our enemy in order to achieve success. Modern building hazards and fire dynamics will be discussed as well tactical considerations such as search, VEIS, and ventilation. The role of the company officer and incident commander will be stressed in order to attain a successful outcome. The importance of proper wearing of PPE and a discussion on the increase of Maydays in the Fire Service will close out our presentation. This is a **must attend** program that will be valuable to all ranks from probie to chief of department. This class will focus on all aspects of being a leader as well as how the fire service has changed since some of us started in it. We will cover scene size up, characteristics of building construction related to fire growth, smoke reading, flow path, indicators of changing environments, choosing which hose lay, ventilation, decision making on (offensive, defensive, transitional) fire attack, search and rescue, and the importance of RIT. We also will use a computer program to apply our skills with some scenarios using local buildings.

This class will be presented by Tom Gies. Gies is a 20 year veteran of the fire service. He started in the Merrick FD on New York's Long Island where he currently sits as the Chief of Department. In 2004 he started his career with the FDNY and has spent almost 16 years assigned to Brooklyn's Ladder 147. He has been a paramedic for 12 years. He has a bachelor's degree in Fire Service Administration from John Jay College.

ELECTRICAL:

NEC Articles 110, 700, 701, 702 and portions of major changes of 2020 NEC

This class will cover the following articles of the NEC: 110.26 Clearances; 700, 701 & 702 Emergency & Standby Systems; 700.16 & IBC Chapter 10 Emergency Lighting and a portion of the major changes of the 2020 NEC. Lead instructor of this class will be Jeff Fecteau, CBO, Senior Regulatory Engineer, UL and Co-Instructor will be Dennis Steier, Ky Chapter IAEI Secretary/Treasurer.

FRIDAY CLASSES CONTINUED:

BUILDING:

UL Update – Fire Research, Interior Finishes and Recessed Box Penetrations

This program provides an overview of three unique fire protection topics as follows:

Fire Performance of Lightweight Engineered Lumber - This component of the presentation provides a detailed look at the results of a research investigation UL conducted for the Department of Homeland Security on the fire performance of lightweight engineered lumber construction. The research provides back to back comparisons of the performance of legacy construction using dimensional lumber versus modern construction using engineered structural elements. The program covers how the fire risk in residential construction has changed over the recent decades, the methodology used in the research, the results of the research and how the research provided the basis for changes in the 2012 International Residential Code.

Interior Finishes - This component of the presentation provides a detailed look at the requirements of the International Building Code for interior finishes covered in Chapter 8, along with the standards and testing process involved with the UL Certifications of the various products. It also provides a detailed discussion on the use of the UL Product iQ online directory to locate code compliant products.

Recessed Membrane-Penetration Firestop Systems - This component of the presentation will provide a detailed review of how to protect recessed membrane-penetrations, including electrical outlet boxes, where installed in fire-resistance-rated assemblies. The program includes an in-depth review of requirements of the International Building Code, the products and systems used to protect these penetrations, and how to demonstrate code compliance using listed products and systems accessible through UL Product iQ. A video from the International Firestop Council on proper installation methods for firestop systems is included. Instructor will be Rich Walke, UL.

FIRE ALARM:

Fire Alarm Requirements of the 2015 Edition of the International Fire Code

This session looks at the many fire alarm system requirements, and permitted exceptions, found in the 2015 edition of the International Fire Code published by the International Code Council. Knowing how and when to apply the requirements found in the IFC is important to architects, designers, fire alarm contractors and authorities having jurisdiction. In this session we will discuss the correct application of the code to assure that buildings and structures are provided with the correct level of fire protection which is neither too little nor too much.

NFPA 72, National Fire Alarm and Signaling Code – Test Your Knowledge

The afternoon session will test your knowledge on the requirements of the 2013 edition of NFPA 72. Attendees will participate in a quiz on the commonly used, and not so commonly used, requirements found within the Code. Following the quiz, attendees will self-grade their quizzes as they are led through the correct answers, and the reasons behind the requirements, as found within the code. Where applicable, attendees will be advised of future changes in the code that may affect their answers. This is an excellent session for fire alarm designers, fire alarm contractors, building facilities personnel, and authorities having jurisdiction. The fire alarm class instructor will be Warren E. Olsen, Vice President Building and Life Safety, Fire Safety Consultants, Inc.

SPRINKLER:

NFPA 25, Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems

This full day program is designed to introduce the attendees to the inspection, testing and maintenance requirements for water-based fire protection systems as stated in NFPA 25. The seminar describes the ITM requirements, including methods and frequencies, for fire sprinkler systems (wet, dry, pre-action, and deluge), standpipe systems, fire pump systems, fire mains, and other commonly installed equipment found on all systems such as valves, gauges, and signage. The differences between system impairments, critical deficiencies and non-critical deficiencies will be discussed. Necessary actions, and options, when impairments and deficiencies are noted will be described. This is an excellent session for fire alarm contractors, building facilities personnel, and authorities having jurisdiction. This class will be instructed by Brent Gooden, Senior Fire Protection Consultant, Fire Safety Consultants, Inc.

PUBLIC EDUCATION:

Pub Ed Shed

A day packed full of public education topics from NFPA 3000 Standard for an Active Shooter/Hostile Event Response to how to create a public education experience. Instructors for this session will include Barry Brickey-Kingsport TN Fire Department PIO, Meredith Hawes-NFPA, Courtney Rosemond-WV State Fire Marshal's Office, and Bob Sullivan-NFPA.

Saturday Classes

FIRE SERVICE:

"It's not just a title, GO EARN IT."

We will dive into what the characteristics of a good leader are. How to not have power but how to earn it. Being a motivator and being an example. If you are an officer, or one day want to be one, this lecture will show you the ways to be better. This class will be presented by Tom Gies.

ELECTRICAL:

**NEC Article 300-Cable Assemblies, 725 Power over Ethernet, an aged wiring study by UL, & portions
2020 NEC changes**

Saturday's electrical code class will discuss the following articles of the NEC: 300 Cable Assemblies, 725 Power over Ethernet; Portions of the major changes of the 2020 NEC, and an aged wiring study conducted by UL. Lead instructor of this class will be Jeff Fecteau, CBO, Senior Regulatory Engineer, UL and Co-Instructor will be Dennis Steier, Ky Chapter IAEI Secretary/Treasurer.

Instructor Bios Available at the Conference website:

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

Lodging available at a discounted rate, Holiday Inn Paducah Riverfront

600 N 4th St, Paducah, KY 42001



Call (800) 465-4329

Block Code: PFD, or mention Paducah Fire Dept for reservations

Online booking available at: www.holidayinn.com/paducahky

Group Code: PFD

PADUCAH FIRE DEPARTMENT'S



8TH ANNUAL COMBINED CONFERENCE

AT THE JULIAN CARROLL CONVENTION CENTER, 415 PARK AVENUE, PADUCAH, KY
FRIDAY, OCTOBER 25 & SATURDAY, OCTOBER 26, 2019
REGISTRATION BEGINS AT 7:30 A.M., CLASSES BEGIN AT 8:00 A.M.

NAME: _____
(LAST) _____ (FIRST) _____ (INITIAL) _____

THURSDAY EVENING, 6:00 PM:

**~(Optional) Early Registration Packet Pick Up & Hospitality Event~
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. ←

FRIDAY:

- Fire:** "This is NOT your Grandfather's Fire Service"
- Electrical:** NEC Articles 110, 700, 701, 702 and portions of major changes of 2020 NEC
- Building-UL presents:** Fire Research, Interior Finishes and Recessed Box Penetrations
- Sprinkler Systems:** NFPA 25, Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems
- Fire Alarm:** Fire Alarm Requirements 2015 Edition of the IFC; NFPA 72, National Fire Alarm & Signaling Code-Test Your Knowledge
- Public Education:** Pub Ed Shed

SATURDAY:

- Fire:** "It's not just a title, GO EARN IT"
- Electrical:** NEC Article 300-Cable Assemblies, 725 Power over Ethernet, an aged wiring study by UL, & portions 2020 NEC changes

PHONE: _____

EMAIL ADDRESS: _____

REPRESENTING: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

◀NO REGISTRATION FEES, LUNCH TO BE PROVIDED▶

REGISTRATIONS MUST BE RECEIVED BY FRIDAY, OCTOBER 18, 2019

E-Mail registration form to: atinsman@paducahky.gov, or Mail registration form to:

Paducah Fire Dept, Fire Prevention Division Attn: April Tinsman, P.O. Box 2267, Paducah, KY 42002

Lodging available at a discounted rate, Holiday Inn Paducah Riverfront, 600 N 4th St, Paducah, KY 42001

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

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Fire Prevention Division
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Paducah, KY 42002**

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