

ATTENTION CONTRACTORS & FIRE SERVICE PROFESSIONALS



PADUCAH FIRE DEPARTMENT 5TH ANNUAL CONFERENCE OCTOBER 28 & 29, 2016

Julian Carroll Convention Center, 415 Park Avenue, Paducah, KY 42003

8:00 a.m. to 4:00 p.m.
State of KY C.E.U.'s Available

FRIDAY CLASSES:

- ▶ IAEI's Electrical Requirements for Health Care Facilities & Hazardous Locations-2014 NEC (Electrical)
- ▶ "Street" Line Officer & Chief Officer Strategy & Tactics (Fire)
- ▶ Inspection, Testing and Maintenance of Fire Alarm Systems (Building, any trade)

**VENDOR
SHOW ON
FRIDAY!!**

SATURDAY CLASSES:

- ▶ IAEI's Photovoltaic System Requirements & Motor and Transformer Installations-2014 NEC (Electrical)
- ▶ "Welcome to the Real World" Fire Service Inspiration & Success (Fire)

**DOOR
PRIZES!!**

**LUNCH
PROVIDED!**

BUILDING CONTRACTOR/ALL TRADES CLASS

FRIDAY: Inspection, Testing and Maintenance of Fire Alarm Systems. This seminar on the inspection, testing and maintenance requirements found in NFPA 72, *National Fire Alarm, and Signaling Code*, provides valuable information to code officials in building and fire departments, fire alarm technicians, and building owners, managers and maintenance personnel. Chapter 14 of NFPA 72 provides the frequencies, extent and methods necessary to ensure that fire alarm and signaling systems, and their connected equipment, work correctly when required to do so. The chapter covers the responsibilities placed on owners or their designated representatives when it comes to creating an inspection, testing and maintenance program. Additionally, the chapter covers the documentation requirements for new and existing fire alarm and signaling systems. This seminar provides an in-depth look at Chapter 14, and other chapters within NFPA 72 and the International Fire Code, to provide attendees with the knowledge they need to implement or enforce inspection, testing and maintenance requirements. The instructor for this class will be Warren Olsen.

Instructor Warren Olsen has spent more than 41 years in fire protection. He is a retired Battalion Chief from the Hoffman Estates Fire Department which is located in suburban Chicago where he served for more than 30 years. Since 1979 he has also worked as a fire protection consultant. Currently, he is the Vice President of Building and Life Safety Division for the consulting firm of Fire Safety Consultants which is located in Elgin, IL. Olsen is a Certified Fire Protection Specialist and a Certified Building Code Official, and is the current chairperson of Chapter 26, Technical Committee on Supervising Station Alarms for NFPA 72, and formerly served on Chapter 18, Notification Appliances. He teaches National Fire Alarm and Signaling Code seminars nationally for NFPA.

ELECTRICAL CONTRACTOR CLASSES

FRIDAY- IAEI's Electrical Requirements for Health Care Facilities-2014 NEC. Requirements for electrical installations in health care facilities are covered in this seminar. It is primarily based on the provisions set forth in the National Electrical Code (current edition). This material has been developed in the interest in promoting greater understanding and increasing electrical safety for systems in health care facilities. This presentation will establish a thorough understanding of the technical and Code requirements contained in NEC 517. Introductory information is provided about the basic requirements and structure of the NFPA 99, Standard for Health Care Facilities and the history of how Article 517 evolved in the NEC. This seminar, which is conveyed in easily understood

language, is a must for those who wish to keep informed and increase their expertise in the specific requirements involved in the health care environment.

IAEI's Hazardous Locations-2014 NEC. This IAEI presentation covers the requirements for electrical installations in hazardous (classified) locations for special occupancies. It is primarily based on the provisions set forth in the National Electrical Code® NFPA 70 (2014 Edition). This material has been developed in the interest in promoting greater understanding and increasing electrical safety for systems in hazardous (classified) locations. This seminar clearly explains in easily understood language the fundamentals and critical requirements found in the hazardous (classified) environment. Hundreds of new and revised color illustrations set forth, with accuracy and in detail, the proper use and application of the electrical requirements in these special condition areas.

SATURDAY- IAEI's Photovoltaic System Requirements. This seminar provides information about installation and inspection of Solar Photovoltaic Systems. The program provides an overview of the major design issues and minimum Code requirements related to Solar Photovoltaic Systems. The program includes topics such as types of systems; disconnecting means locations; requirements for ground mounted and roof mounted systems; equipment ratings; and grounding and bonding of Solar Photovoltaic Systems. This material is primarily based on the requirements set forth in Article 690 of the National Electrical Code (NEC).

IAEI's Motor and Transformer Installations-2014 NEC Requirements for motors and transformers are often misunderstood and misapplied in the electrical industry. This seminar is a must for installers and inspectors alike or anyone who needs to enhance their general understanding of the motor and transformer rules found in the NEC and how to apply these rules in everyday situations. Based on the current edition of the NEC, this seminar/presentation will explain motor and transformer code structure in clear, concise language involving installation, design and inspections of these electrical systems. Articles 430 and 450 are covered in-depth in this presentation which covers motors and transformer installations. Examples and basic motor and transformer calculations are reviewed.

Instructor Bill McGovern is a Field Evaluator for Intertek Testing Services and also operates Electric Solutions Code Services LLC. He was the former Electrical Inspection Services Supervisor for the City of Plano, Texas with over 23 years of experience as an electrical inspector. He represented IAEI on NEC Code Making Panel 2 for the 2008, 2011, 2014 cycles, and continues to serve on CMP-2 for the 2017 NEC representing Intertek.

FIRE SERVICE CLASSES

FRIDAY: "Street" Line Officer & Chief Officer Strategy & Tactics. This full day of fire ground strategy and tactics session is for fire service professionals - volunteer, combination, and career Firefighters, Line Officers, and Chief Officers who are serious about command and control of their incidents and the safety of their crew. Topics will involve training, functional cooperation, "street command", standard operating guidelines, safety, firefighting tactics, command strategy, engine and truck company operations, and tactical exercises. The results of this session will provide you with up-to-date information on your ability to create a functional cooperation plan with your neighbors, take-home drafts of fire ground operating guidelines, implement a "street" proven command system, and a review of effective staffing levels and coordinated fire attack that pertains to your fire ground operation

SATURDAY: "Welcome to the Real World" Fire Service Inspiration & Success. "Welcome to the Real World" is a fire service interactive session presenting actual professional aspirations and challenges designed for *you* and your future. No matter your seniority or rank, volunteer or career, the belief is that if you are able to attend this session, you are inspired to reach your professional aspirations and as a result you will leave even more inspired! History has shown that even the strongest of people in the highest levels of leadership can be derailed by challenges involving health, family, finances, beliefs, politics, and so on. Many times such challenges cannot be predicted, and in many cases they are very predictable. The aspirations and challenges to be covered are based on actual experience and research that may concern you now or definitely in the future. Your involvement with the sharing of experiences, interactive group discussion, and various exercises will be part of the session.

Instructor Rick Kolomay is a 37-year veteran of the fire service. He has served with both combination volunteer, combination career/POC/Private, and career fire departments assigned to engine, truck, ambulance, and squad companies. He rose through the ranks from firefighter /EMT, firefighter/paramedic, lieutenant, captain, acting battalion chief, deputy chief, and fire chief. He was also a full time instructor for the *Illinois Fire Service Institute (IFSI)*, an IFSI Field Instructor for 33 years, Instructor for the *Illinois Fire Chiefs Association*, Instructor of the *Romeoville (IL) [regional] Fire Academy*, and an instructor and consultant with *Fire Training Resources, Inc.* Rick has instructed throughout the United States teaching firefighter rescue techniques and line officer training. In 2003 Rick co-authored a best-selling Fire Engineering book, *Firefighter Rescue & Survival*.

Pre-registration is required by Monday, October 24th. To pre-register, complete the registration form on the City of Paducah website at www.paducahky.gov or contact the Fire Prevention Division at 270-444-8527. Lodging is available at a discounted rate at the Drury Inn, 3975 Hinkleville Rd, Paducah, KY 42001, (270) 443-3313-Use group code #2284603. Participation in the classes can provide attendees with the required continuing education credits for the State of KY.

The Paducah Fire Department welcomes sponsors and vendors for the event. If you are interested in being a sponsor or reserving vendor space, contact Deputy Fire Marshal April Tinsman or Deputy Chief of Fire Prevention Greg Cherry at 270-444-8527.

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