



2020 Miami Educational Seminar

Sept 15-17, 2020

Miami Dade Fire Training Facility

9300 NW 41st St.

Doral, FL 33178

SEMINAR PROGRAM





Tuesday September 15th, 2020

- 8:00 am – 12:00 pm Special Events, Fairs & Festivals, Maintaining Code Compliance & Safety Through On-Site Inspections
Chief Whiting – KNOX Room: 2-002
RN: 16230 Class: 106930
- 8:00 am – 5:00 pm Introduction to Post Blast Fire Investigation
Karl Morgan – State of FL Room: 1-003
RN: 15765 Class: 106931
- 8:00 am – noon Public Safety In-Building Communications Enhancement Systems 2.0... A Deeper Understanding of Design, Installation & Inspection for the AHJ
Chief Alan Perdue – Safer Buildings Coalition
Javier Herrero – Smart Engineering, LLC Room: 2-001
RN: 16167 Class: 106932
- Noon – 1:00 pm Lunch on your own
- 1:00 pm – 5:00 pm Implementation Methods to Improve Bureau Efficiency While Addressing Community Risk Reduction
Chief Whiting – KNOX Room: 2-002
RN: 16229 Class: 106933
- 1:00 pm – 5:00 pm Hands on Training - Fire Alarm Control Panels – BDA/DAS – Wireless Systems
Wendy Rivera – Honeywell Fire Room: 2-001
RN: 16171 Class: 106395

Wednesday September 16th, 2020

- 8:00 am – 5:00 pm Firestopping Plan Review and Inspection including hands-on Fire Demonstration –
April Witteman – 3M Room: 2-001
RN: 16171 Class: 106934
- 8:00 am – 5:00 pm Sprinkler Systems Class Block (Flexible Sprinkler Fitting Systems, Fire Protection Valves, and Pressure Regulating Devices – hands on)
Edison Lino – Victaulic Room: 1-003
Flex -RN: 16173 Class: 106936
Valve – RN: 16174 Class: 106937
PRD – RN: 15244 Class: 106938
- 8:00 am – Noon Coating Fire Sprinkler Systems (lining existing fire sprinkler systems)
Steve Mori – Aquam Room: 2-002
RN: 16175 Class: 106939



Wednesday September 16th, 2020 (Continued)

- Noon – 1:00 pm Lunch on your own
- 1:00 pm – 5:00 pm Distributed Antenna Systems Inspection & Compliance – 4 hr.
Lenn Marella, Ron Rapp
Two Way Technology Corp Room: 2-002
RN: 16180 Class: 106940

Thursday September 17th, 2020

- 8:00 am – Noon NFPA 4 Standard for Integrated Fire Protection and Life Safety System Testing – 2 hr.
Robbie Dawson – NFPA Room: 2-001
RN: 16020 Class: 106941 and
NFPA 855 Energy Storage Systems Introduction and Overview – 2 hr.
RN: 15767 Class: 106942
- 8:00 pm – 12:00 pm Emerging Trends for Fire Inspectors
Kelly Nicoletto – UL Room: 2-002
RN: 15418 Class: 106943
- 8:00 am – Noon Storage Occupancy Requirements
George Stanley – Wiginton Room: 1-003
RN: 15635 Class: 106944
- Noon – 1:00 pm Lunch on own
- 1:00 pm – 5:00 pm Energy Storage Systems – Fire safety concepts in the 2018 IFC-RC and NFPA 1 -
Kelly Nicoletto – UL Room: 2-002
RN: 15754 Class: 106945
- 1:00 pm – 5:00 pm Recognizing Burning to Defraud for the Origin and Cause Investigator
Doug Keller Miami Dade Fire Rescue Room: 1-003
RN: 16165 Class: 106946
- 1:00 pm – 5:00 pm It only takes one (Fire Doors and inspections includes hands-on inspections)
Daniel Arce – National Fire Door LLC Room: 2-001
RN: 16166 Class: 106947



Select Course Descriptions:

Coating Fire Sprinkler Systems – Steven Mori

The course will focus on understanding the technology of “In-place Pipe Restoration” by epoxy coating the inside of fire sprinkler piping systems to prevent corrosion and MIC in accordance with NFPA 13 Standards.

Community Risk Reduction and the Life Safety Ecosystem – Robby Dawson - NFPA

This session will review Fire and Life Safety Ecosystem and the critical processes needed to perform a Community Risk Assessment, develop a Community Risk Reduction Plan, and identify evaluation metrics based on the risks identified and the plan’s objectives. This program is based on the new NFPA Standard 1300 – Community Risk Assessment and Community Risk Reduction Plan Development. At the end of this program, attendees will be able to identify local sources of data that can be used to conduct a formal risk assessment and identify causal factors that can be reduced or eliminated through a formal planning and evaluation process.

Distributed Antenna Systems Inspection & Compliance – Len Marella, Ron Rapp – Two Way Technologies

This course provides a next level look at DAS/BDA systems for the inspector in the field. The training will provide information and best practices at a practical level that will aid inspectors and Fire Marshals in their ability to inspect, assess and evaluate the compliance of these systems, recognize their components and be more confident.

Emerging Trends for Fire Inspectors – Kelly Nicolello - UL

The hazards and processes exposed to first responders is ever changing. New products and processes are continuously being introduced. The best way to avoid injury to the public and first responders is to become aware of what these emerging items are and to begin to explore what they are and how they might affect responding personnel. Examples of issues on the horizon that we will be discussing are; Light Weight Steel Construction, Inflatable Spray Booths, Power over the Ethernet (PoE) NFPA 72, Internet of Things (IoT) NFPA 72, and Smoke Alarm standards update requirements. Additionally, it’s important for first responders to know how they can find out more information, therefore we’ll spend time understanding resources available to them.

Energy Storage Systems – Fire safety concepts in the 2018 IFC-RC and NFPA 1 – Kelly Nicolello - UL

Energy storage systems are showing up in ever increasing numbers, which creates challenges for fire and building officials who must address a new generation of fire safety concerns. These systems include modern stationary battery systems, electrical capacitors systems and other technologies. This session provides an overview of these systems and discusses requirements that will appear in the 2018 IFC, IRC and NFPA 1. A good session for keeping you ahead of the curve on upcoming code requirements.

Firestopping Plan Review and Inspection with Hands-on component – April Witteman – 3M

This training is designed for Plans Examiners, Fire and Building Inspectors, Contractors, Architects and Engineers. Throughout the training, we will review the firestopping requirements of the International Building code, as well as hold a general discussion as to why firestop inspections have proven to be one of the most difficult challenges for code officials. Methods to achieve code-compliant firestop systems for joints, perimeter containment, through and membrane-penetrations will be provided, and we will discuss the new ASTM firestop inspection standards. This training will also provide an overview of draftstopping and fireblocking. Overall, attendees will leave this program encouraged, informed and with helpful hints and techniques pertaining to their field of work. This class will include a live fire session with a wall construct where students can observe the effects of firestopping in real time.

Hands on Training - Fire Alarm Control Panels – BDA/DAS – Wireless Systems – Wendy Rivera - Honeywell

This class is designed to enhance the students familiarity with life safety systems such as Fire Alarms, BDA/DAS Systems, and Class A Wireless fire alarm components that are relatively new to the fire alarm industry. Students will be offered a hands-on training experience to provide a better understanding of how these systems operate out in the field. Live demo kits are utilized for an interactive experience as they review the functionality of each life safety system and are walked through the inspection process. Also students will learn how to review a BDA site survey to ensure there will be adequate coverage in a building for the First Responders Radio Network.

Implementation Methods to Improve Bureau Efficiency While Addressing Community Risk Reduction – David Whiting - KNOX

Inspectors and educators face a number of challenges within the communities and organizations we serve. These challenges include language barriers, hostile businesses owners, differing opinions between building officials and the training that may or may not be provided to our personnel. In addition, expectations may create challenges. This course will address issues that personnel will face today. This class is designed to better prepare personnel to face the public and have a positive outcomes and interactions wit the community at large.

Introduction to Post Blast Fire Investigation – Karl Morgan – State of Florida

This course will provide the student with a general understanding of explosives identification, explosives safety, evidence identification, and the general framework behind properly processing and exploiting a post blast scene. The students will be provided with lecture material concerning



general explosives knowledge and safety and how to properly identify and collect items of evidentiary value. The student will further be exposed to tabletop exercises of pieces and parts of actual IED components, both pre-blast and post blast. This class will be taught by a certified bomb technician. (Note—This 8 hour class will not satisfy the requirements from the FSFC for the 40 hour Post Blast Investigations in pursuit of the Fire Investigator certification).

It Only Takes One – Dan Arce – National Fire Door

No one would dispute the argument that the presence of fire-rated doors in critical areas throughout a facility will save lives and protect property in the event of a fire or the presence of smoke. There is little time to secure safe passage before the arrival of firefighting, first responders. Lives can only be saved if fire doors are functioning properly. In recent reports, the NFPA claims that the most common deficiency in fire-rated doors is the failure to close properly. Even a simple repair that's neglected can have disastrous consequences. In the same report, other contributing factors included: lack of maintenance; physical damage to the closing mechanism; faulty door seals, gaps or tracks and doorway blockages. With proactive inspection, problems are identified, and risk is mitigated. But there is a huge problem... Manpower and budgets.

NFPA 855 Energy Storage Systems Introduction and Overview – Robby Dawson - NFPA

This session will provide attendees with an overview of the new NFPA Standard on Installation of Stationary Energy Storage Systems which establishes criteria for minimizing hazards associated with this emerging technology. This session will highlight a recent catastrophic incident that seriously injured several emergency responders and caused significant damage to a fixed facility and outline the provisions of NFPA 855 which can mitigate those risks. While this standard is new and not incorporated into existing codes and regulations, inspectors can use this as a guidance document and implement the safety precautions to ensure the safety of residents, occupants, and firefighters.

Public Safety In-Building Communications Enhancement Systems 2.0... A Deeper Understanding of Design, Installation & Inspection for the AHJ – Alan Perdue, Javier Herrero

Understanding and properly applying codes and standards relevant to Public Safety In-Building Communications Enhancement Systems is critical to the safety of first responders and the public. This interactive course will provide the necessary tools to build greater confidence and an understanding of what is needed to review plans and specifications and inspect systems for compliance by the AHJ. This in-depth interactive classroom training session will be based on state and model codes regarding public safety in-building communications enhancement systems. Industry trends and issues will be highlighted as they relate to the requirements for circuits, pathway survivability, back-up power, redundancy, signal quality/testing and others. Additional topics to be discussed include: Radio Frequency (RF) theory, FCC Part 90.219 and proper approval by the Radio Licensing Authority, Functions of Public Safety RF Booster System components • Plan review of Public Safety RF Booster System designs • Participation in a round-table discussion covering best practices and lessons learned.

Recognizing Burning to Defraud for the Origin and Cause Investigator – Captain Doug Keller – Miami Dade

This course will examine past and current trends in arson for profit. It is based on the firsthand experience that comes from investigating hundreds of "Fake Fires" and is supported by research, criminal convictions, and the dirty work of digging fires. The participant will acquire tools with which to conduct a preliminary fire investigation and will leave the class with important new information on how to recognize the telltale signs that a seemingly innocent mistake might actually be a well-planned out scheme to make "free" money. This course is geared toward the origin & cause investigator.

Special Events, Fairs & Festivals, Maintaining Code Compliance & Safety Through On-Site Inspections – David Whiting - KNOX

This course is designed to address the many events that inspectors will face throughout the year. These include the smallest venues such as street and community fairs, festivals to road races, outdoor concerts, high school sporting events and other functions. In addition, the larger more challenging events will be addressed such as major college sports, marathons, concerts, NFL, NHL, NBA and MLB. Dignitary events and visits and that require a lot of coordination and interaction impactation operations and code compliance.

Storage Occupancy Requirements - George Stanley Wiginton

By the completion of this course, the learners will be able to: Identify the various types of storage arraignments., determine the hydraulic requirements of storage areas, determine the correct types of storage sprinklers for each occupancy, locate the correct portions of NFPA 13 as it relates to different storage arraignments, determine the minimum flow and pressure requirements for ESFR systems, and determine the correct section of NFPA 13 that applies.

To become a member of FFMIA or for more information on these events go to www.ffmia.org



SAVE THE DATE

2020 Joint FAFLSE and FFEIA Conference

June 2 – 5, 2020

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