



2024 Miami Educational Seminar

April 2-4, 2024

Miami-Dade Fire Rescue Training Facility
9300 NW 41st Street
Doral, FL 33178

SEMINAR PROGRAM



2024 Miami Educational Seminar

Schedule of Classes



(subject to change)

Tuesday, April 2nd 2024

8:00 AM – 12:00 PM – NFPA 1 & 101 (8th ed. FL Fire Code) **VIRTUAL COMBO**

Classroom: 2-001 and 2-002

RN: 19345

Class: 134493

12:00 PM – 1:00 PM – Lunch on own

1:00 PM – 5:00 PM – NFPA 1 & 101 (8th ed. FL Fire Code) Continued **VIRTUAL COMBO**

Classroom: 2-001 and 2-002

RN: 19345

Class: 134493

Wednesday April 3rd, 2024

8:00 AM – 10:00 AM Digital Tagging, The Latest in Fire and Safety Inspections - Caitlyn Weber, and Sarah Johnston – Aztek Fire Safety

Classroom: 2-001 **VIRTUAL COMBO**

RN: 19608

Class: 134912

10:00 AM – 12:00 PM – Plan Review and Code Compliance: Use of Artificial Intelligence (AI) in the Built Environment – Robert Solomon – SLS Consulting, LLC

Classroom: 2-001 **VIRTUAL COMBO**

RN: 19602

Class: 134735

8:00 AM – 12:00 PM – Rapid Access Challenges Trends and New Technologies – Wendy Fecteau, KNOX

Classroom: 1-003

RN: 17283

Class: 134790

8:00 AM – 9:00 AM – Fire Service Access Elevators – Michael Ventola – Space Age Electronics

Classroom: 2-002

RN: 19587

Class: 134567

9:00 AM – 10:00 AM – Flame Detection Technology 101 – Curtis Nance – Space Age Electronics

Classroom: 2-002

RN: 19614

Class: 134914

10:00 AM – 12:00 PM – Ongoing Inspection and Maintenance of ERCES

Lenn Marella, Ron Rapp – Two Way Technology Corp

Classroom: 2-002

RN: 19589

Class: 134569

12:00 PM – 1:00 PM – Lunch on own

1:00 PM – 3:00 PM – The Science of Carbon Dioxide and CO2 Monitoring 2hr – Josh Pringle

Classroom: 2-002

RN: 19129

Class: 134565

1:00 PM – 3:00 PM – Inspectors Deploying to Disasters – Jon Pasqualone, Tommy Demopoulos

Classroom: 2-001 **VIRTUAL COMBO**

RN: 19591

Class: 134736



Wednesday April 3rd, 2024 (Continued)

3:00 PM – 5:00 PM – Ongoing Inspection and Maintenance of ERCES

Lenn Marella, Ron Rapp – Two Way Technology Corp

Classroom: 2-002

RN: 19589

Class: 134569

1:00 PM – 2:00 PM – Linnear Heat Detection – Danny Harrod, Wiginton Corporation

Classroom: 1-003

RN: 19124

Class: 134570

2:00 PM – 5:00 PM – Florida LP Gas Laws and Rules

Carl Weeks – Propane Training Services

Classroom: 1-003

RN: 19592

Class: 134737

3:00 PM – 4:00 PM – Summary of Key Changes to the 2021 ICC and NFPA Codes – Richard Roberts, Honeywell

Classroom: 2-001 **VIRTUAL COMBO**

RN: 19593

Class: 134740

4:00 PM – 5:00 PM – Changes to the 2019 ed. Of NFPA 72, National Fire Alarm & signaling Code – Richard Roberts, Honeywell

Classroom: 2-001 **VIRTUAL COMBO**

RN: 19594

Class: 134738

Thursday April 4th, 2024

8:00 AM – 11:00 AM Understanding the Complete Process for ERCES and Passing Radio Coverage

David Adams – PCTel

Classroom: 2-001 **VIRTUAL COMBO**

RN: 19128

Class: 134815

11:00 AM – 12:00 AM How to make a complaint to the Florida Board of Professional Engineers, Andrew Valente – Larson Design Group

Classroom: 2-001 **VIRTUAL COMBO**

RN: 19615

Class: 134916

8:00 AM – 9:00 AM – Summary of Key Changes to the 2021 ICC and NFPA Codes – Richard Roberts, Honeywell

Classroom: 1-003

RN: 19593

Class: 134740

9:00 AM – 10:00 AM – Changes to the 2019 ed. Of NFPA 72, National Fire Alarm & signaling Code – Richard Roberts, Honeywell

Classroom: 1-003

RN: 19594

Class: 134739

10:00 AM – 12:00 PM – The Science of Carbon Dioxide and CO2 Monitoring 2hr – Josh Pringle

Classroom: 1-003

RN: 19129

Class: 134573

8:00 AM – 10:00 AM – Installation and Inspection of Firestopping – Ricardo Mejia, Hilti

Classroom: 2-002

RN: 19616

Class: 134908

Thursday April 4th, 2024 (continued)



10:00 AM – 12:00 PM – Ongoing Inspection and Maintenance of ERCES

Lenn Marella, Ron Rapp – Two Way Technology Corp

Classroom: 2-002

RN: 19589

Class: 134574

12:00 PM – 1:00 PM – Lunch on own

1:00 PM – 3:00 PM – Lithium-Ion Batteries: A First Responders Street Level Understanding

Mike Adams, MDFR

Classroom: 2-001 **VIRTUAL COMBO**

RN: 19619

Class: 135021

3:00 PM – 5:00 PM – Smoke Control Mechanical Life Safety – Michael Ventola – Space Age Electronics

Classroom: 2-001 **VIRTUAL COMBO**

RN: 19617

Class: 134967

1:00 PM – 3:00 PM – Installation and Inspection of Firestopping - Ricardo Mejia, Hilti

Classroom: 1-003

RN: 19616

Class: 134909

3:00 PM – 4:00 PM – How to make a complaint to the Florida Board of Professional Engineers, Andrew Valente – Larson Design Group

Classroom: 1-003

RN: 19615

Class: 134917

4:00 PM – 5:00 PM – Flame Detection Technology 101 – Curtis Nance – Space Age Electronics

Classroom: 1-003

RN: 19614

Class: 134915

1:00 PM – 3:00 PM – Digital Tagging, The Latest in Fire and Safety Inspections - Caitlyn Weber, and Sarah Johnston – Aztek Fire Safety

Classroom: 2-002

RN: 19608

Class: 134913

3:00 PM – 5:00 PM – Life Safety Systems and Performance Based Design - Josh Wolk, SLS Consulting Inc.

Classroom: 1-003

RN: 19618

Class: 134966

Select Course Descriptions:



Changes to the 2019 edition of the NFPA 72® National Fire Alarm and Signaling Code: An informative and unbiased presentation covering key changes to the 2019 edition of the NFPA 72® National Fire Alarm and Signaling Code as well as providing the reasons for the changes and how they will impact public life safety. The discussion will provide an overview of new requirements for smoke detection, carbon monoxide detection, sending signals to supervising stations, Building System Information Unit (BSIU) controlling fire alarm system functions, requirements for class A wireless pathways and several changes relating to elevators.

Digital Tagging the Latest in Fire and Safety Inspections: The current state of tracking Life Safety Property Protection is a problem - AHJs do not know what assets are inspected, repaired, or if an inspection is done by a licensed professional. In the Process of Digital Tagging session, you will learn how software solutions are delivering real-time asset information via QR codes and geofenced inspections, which protects not only your agency, but also ensures Community Risk Reduction best practices are followed.

Fire Service Access Elevators: Fire Service Access Elevators (FSAE) - FSAE are part of the Emergency Control Functions in certain buildings meeting a select set of criteria. This educational session will summarize the decision tree of prescriptive codes and relevant standards that direct the installation and use of these systems.

Flame Detection Technology 101: This presentation focuses on Flame Detection Technology as a whole and not on products. Included in this presentation are: What is a Flame Detector, Spectral signature of a fire, Different Fire Detection Technologies available, Fire detection based on technologies in common conditions, False Alarm Immunity, Common installation accessories used to mitigate false alarms, Applications where Fire Detection devices should be used with supporting code references.

Florida LP Gas Laws and Rules: The latest 2020 Edition of the Florida Department of Agriculture and Consumer Services Liquefied Petroleum Gas Laws and Rules will be referenced throughout the course. As stipulated in the LP Gas Continuing Education Course Approval Application under the Chapter 527 Florida Statutes, this training program covers Florida's Laws, Rules and Regulations applicable to the liquefied petroleum gas industry and all "Persons", "Consumers" and "Departments" defined in 527.01 Definitions (1) through (16).

How to make a complaint to the Florida Board of Professional Engineers: This presentation will review the process and procedures for preparation and submittal of a complaint to the Florida Board of Professional Engineers. It will cover the definition of negligence, provide some examples, and have a discussion of how-to best phrase and explain the violations that warrant the complaint. It will also discuss some of the more frequent violations and how penalties are assessed by the Board.

Installation and Inspection of Firestopping: Firestopping is a necessary component of building construction/maintenance to protect lives and meet building code requirements. Correct installation is crucial to ensuring that the firestop performs as intended in the event of a fire. Inspectors, building officials, engineers, architects, and contractors often need to perform firestop inspections, reviews, and walk-throughs to ensure requirements have been met. This course will help attendees understand the requirements of correct firestopping and be able to recognize indicators of proper or poor installation. Common applications, challenges, and best practices will also be reviewed.

Inspectors Deploying to Disasters, What you Should Know and What to Expect: This course is designed to prepare inspectors for a post disaster deployment to an affected area. The course is designed to prepare inspectors for what they will encounter and how to do their job on these deployments.

Life Safety Systems and Performance Based Design: This course will cover fire alarm, fire protection, smoke control, and emergency radio enhancement systems and how to perform Integrated Testing Process IAW NFPA-4.

Lithium-Ion Batteries (Li-Ion): A First Responders' Street Level Understanding: A surface level introduction of lithium-ion batteries to the first responder. A look at the design, the uses, and warning signs leading to failure of the batteries. Provide an elevated awareness of the potential of lithium-ion batteries and its potential dangers.

Ongoing Inspection and Maintenance of ERCES: This course provides a detailed guide for inspectors performing reoccurring annual inspections on ERCES/DAS/BDA systems. It will give them an idea of what they can expect to get visual verification of what the equipment should look like in a properly installed system, what alarms should be tested and what conditions impact the system's integrity.

Plan Review and Code Compliance - Use of Artificial Intelligence (AI) in the Built Environment: This session will demonstrate how AI can be applied to supplement and automate the plan review process thereby improving the design schedule, improving turnaround time for plan review, and allowing construction schedules to stay current.

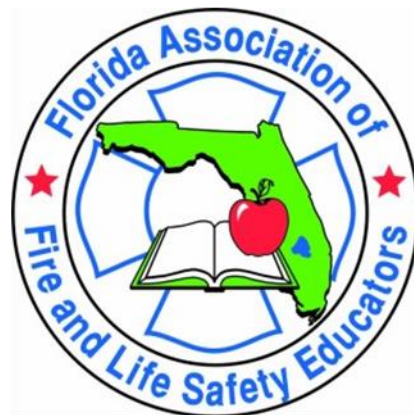
Smoke Control and Electro-Mechanical Systems for Life Safety: During the program we'll review the following topics, Notable Fires and Disasters, Smoke Control Objective and Design Responsibilities, System Types, Design Approach, Mechanical and Electrical Hardware, Codes – Methods – Solutions to Common Challenges, and Commissioning and Final Testing.

Summary of Key Changes to the 2021 ICC and NFPA Models Codes: An informative 60 minute discussion that provides an overview of the new requirements in the International Code Council (ICC) and National Fire Protection Association (NFPA) model codes for in-building emergency responder radio enhancements systems (ERCES), pull stations, low frequency audible fire alarm signal, visible notification appliances, emergency voice alarm communication (EVAC) systems, carbon monoxide (CO) detection systems and smoke detection.

Thank you to this year Bronze Level Event Sponsor



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SAVE THE DATE

2024 Joint FAFLSE and FFEIA Conference

June 4-7, 2024

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Lake Buena Vista, FL