



2023 IHEA FALL SEMINARS

COMBUSTION

SAFETY STANDARDS & CODES

OCTOBER 31 - NOVEMBER 1

CINCINNATI

COMBUSTION SEMINAR

October 31 - November 1

Long the industry's premier seminar for industrial process heating professionals, this two-day event offers attendees the chance to learn the latest in combustion technology and visit with industry suppliers. The IHEA Combustion Seminar is designed for persons responsible for the operation, design, selection and/or maintenance of fuel-fired industrial process furnaces and ovens.

AGENDA

Tuesday, October 31 | 8:00 AM - 4:30 PM

- SESSION 1** Fundamentals of Combustion
- SESSION 2** Burners and Nozzles
- SESSION 3** Practical Fluid Flow & Piping Practices for Combustion Systems
- SESSION 4** Radiant Tube Burner Concepts
- SESSION 5** Combustion System Safety
- SESSION 6** Flame Safety and Sequence Control
- SESSION 7** Fuel/Air Ratio Control
- SESSION 8** Workshop Problem and Solution

TABLETOP EXHIBITION & RECEPTION | 4:30 - 6:30 PM

Wednesday, November 1 | 8:00 AM - 4:00 PM

- SESSION 9** Enhanced Combustion Efficiency
- SESSION 10** Heat Application - Low Temperature
- SESSION 11** Heat Application - High Temperature
- SESSION 12** Combustion Troubleshooting
- SESSION 13** Optimizing Combustion Systems Performance
- SESSION 14** Furnace and Process Controls
- SESSION 15** Combustion Systems and the Environment
- SESSION 16** Panel Discussion - System Maintenance



Instructors for this seminar include experts from:

- » Bloom Engineering Co., Inc.
- » Fireye Inc.
- » Honeywell Thermal Solutions
- » MP Combustion
- » Rockford Combustion
- » Selas Heat Technology Co.
- » Surface Combustion
- » WS Thermal Process Technology

COURSE FEES

\$800 for IHEA Members | \$975 for Non-Members

This fee includes tuition; all seminar handout materials in hard copy format; lunch and refreshment breaks both days; admission to Tabletop Exhibition & Reception. Upon completion of the course, seminar attendees are awarded a certificate and 15 Professional Development Hours.

Multiple Registration Discount

For companies sending more than one person to the seminar, each additional registrant will receive a \$125 discount. In order to receive the discount, you **MUST** register all attendees at the same time on-line.

Cancellation

In order to receive a refund of registration fees minus a 10% processing fee, cancellation must be received in writing and acknowledged by the seminar management at least 21 days prior to the event. There will be no refunds issued for any cancellations received within 21 days of the event.

REGISTER NOW AT WWW.IHEA.ORG

SAFETY STANDARDS & CODES SEMINAR

October 31 - November 1

Explosions and fires in industrial heating systems can result in injury or loss of life, and loss of property and production. Understanding the proper use of National Standards governing the compliant design and operation of ovens & furnaces is essential for everyone involved with this type of equipment.

IHEA's Safety Standards & Codes seminar is designed for individuals involved in the design, manufacture, service or operation of ovens, furnaces, kilns, dryers, thermal oxidizers and a wide range of industrial applications. The Safety Standards Seminar provides a comprehensive review of the 2023 edition of NFPA 86.

AGENDA

Tuesday, October 31 | 8:00 AM - 4:30 PM

- SESSION 1** Introduction & Overview of NFPA 86 Standards for Ovens and Furnaces
- Session 2** NFPA 86: Administration, References & Definitions
- Session 3** General Requirements, Location & Construction
- Session 4** Gas Line Evacuation (Purging) and Charging
- Session 5** Safety Equipment & Application with Safety Controls & Devices
- Session 6** Safety Equipment & Application including Safety Shutoff Valves
- Session 7** Commissioning, Operations, Maintenance, Inspection & Testing
- Session 8** Class A Ovens and Furnaces
- Session 9** Thermal Oxidizers

TABLETOP EXHIBITION & RECEPTION | 4:30 - 6:30 PM

Wednesday, November 1 | 8:00 AM - 4:30 PM

- Session 10** Introduction to Safety Equipment and Application including Programmable Logic Controller Systems
- Session 11** Special Atmospheres for Class C Ovens & Furnaces
- Session 12** Class C Furnace: Quench & Molten Salt Bath
- Session 13** Furnace Heating Systems including Class B Furnace Considerations
- Session 14** Hydrogen Introduction

Instructors for this seminar include experts from:

- » Fireye
- » Karl Dungs, Inc.
- » MP Combustion
- » Rockford Combustion
- » Selas Heat Technology
- » Surface Combustion



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Multiple Registration Discount

For companies sending more than one person to the seminar, each additional registrant will receive a \$125 discount. In order to receive the discount, you **MUST** register all attendees at the same time online.

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TABLETOP EXHIBITION

October 31 | 4:30 - 6:30 PM

IHEA's Combustion and Safety Standards & Codes Seminars are holding a joint Tabletop Exhibition & Reception on Tuesday, October 31 at the Embassy Suites by Hilton - RiverCenter. Attendees of each seminar are invited to meet with representatives from companies offering products and services for the heat processing industry. In addition to the tabletop exhibits, a networking reception with hors d'oeuvres and drinks will allow attendees to meet speakers and exhibitors and further discuss concepts learned during the seminars.

EXHIBITORS *(as of July 11)*

Bloom Engineering Company, Inc.
Equipment Controls Company
Fireye Inc.
Fostoria Infrared
Honeywell Thermal Solutions
Heat Treat Today

Karl Dungs, Inc.
Rockford Combustion
Selas Heat Technology Co. LLC
Super Systems, Inc.
Surface Combustion, Inc.
WS Thermal Process Technology, Inc.

Check the IHEA website for an up-to-date list of exhibitors



HOTEL INFORMATION

The Combustion and Safety Standards & Codes Seminars and the Tabletop Exhibition & Reception for all seminar attendees will be held at the Embassy Suites by Hilton - RiverCenter. Rooms are available at the special rate if reserved by October 9, 2023 or until room block is full.

EMBASSY SUITES BY HILTON - CINCINNATI RIVERCENTER

10 E. RiverCenter Blvd.
Covington, KY 41011

ROOM RATE: \$155 plus tax per night

CLICK HERE to make your hotel reservation, or call the hotel at 1-866-244-7548 and reference the group code: 907 (IHEA 2023 Fall Seminars).

EVENT SPONSORS



REGISTER NOW AT WWW.IHEA.ORG