



INDUSTRIAL HEATING EQUIPMENT ASSOCIATION

The IHEA calendar heats up



This year's IHEA Fall Seminars will be the Combustion Seminar and the Safety Standards and Codes Seminar offered over two days in Cincinnati.

New — Sustainability Webinar Series: IHEA's new webinar series will focus on carbon producing heating processes and provide methods to optimize their efficiency and reduce their carbon emission intensity. Additionally, these webinars will cover the various scopes of carbon emissions and the methods to determine site, or specific equipment, carbon footprint. Available DOE tools and other resources for determining and reducing carbon footprint will be presented. Overall, this webinar series offers an excellent overview of carbon emissions, how to determine them, and how to reduce them. The first webinar in the series, "Thermal Processing Carbon Footprint," was in May and is now available on IHEA's website under the "Sustainability" tab. Registration is free for this webinar series.

» **June 15:** Defining Greenhouse Gas (GHG) Emissions to Target NET-ZERO

» **July 20:** DOE Tools and Programs for GHG Reduction

» **August 24:** Ongoing Sustainability: Industry Best Practices for Continual Improvement

For details and to register for the webinars, go to www.ihea.org/sustainabilitywebinars.

Webinar presenters include B.J. Bernard, Surface Combustion; and Michael Stowe, Advanced Energy.

FUNDAMENTALS OF INDUSTRIAL PROCESS HEATING

Fall Online Course – Begins August 21

IHEA's Fundamentals of Industrial Process Heating Online Course has been a successful source of high-level learning for those in the industrial heat processing industry for more than a decade. The course is taught over a six-week period and designed to give students flexibility, along with interaction from a moderator and online forums to communicate with other students. Each week, students will be assigned a chapter to read from the Fundamentals of Process Heating course book (electronic version included with course registration) and

expected to participate in forum discussions and complete weekly quizzes. There is a final exam project that will be assigned during the fifth week of class. The moderator will be available by email to respond to questions and provide clarification.

The comprehensive curriculum includes the following topics: combustion fundamentals and fuels, combustion equipment for gaseous and liquid fuels, elements of heat transmission, heat balance and efficiency calculations, advanced heat transfer principles, and fundamentals of electrical heating.

This online course is a terrific value for IHEA members and non-members alike, considering no travel expenses are involved, and there is no time out of the office.

A former online student said, "Because of balancing an extremely busy workload and family life, I am not able to be on a regular schedule or take time in the evening to travel to a class. The advantage for me is that I can check in when time permits and still stay current on all activities. The course information is directly related to my work, and I found it to be very beneficial."

Registration for the course is open now through August 16, 2023, at www.ihea.org/event/FundamentalsFall23. Registration fee includes an electronic course handbook, weekly assignments, class forums, and the opportunity to contact the moderator throughout the course. A certificate of completion noting 18 PDHs earned will be given to each attendee who successfully completes the course. Printed materials are available for an additional fee.

IHEA'S FALL SEMINARS SET FOR OCTOBER 31 AND NOVEMBER 1

Cincinnati, Ohio

The IHEA Fall Seminars will be October 31 and November 1. This year, IHEA will offer the Combustion Seminar and the Safety Standards and Codes Seminar at the Embassy Suites by Hilton – Cincinnati RiverCenter, a convenient venue for the annual training courses.

For more than half a century, the combustion division of IHEA has delivered quality education for those in the thermal heat processing industry. IHEA's Combustion Seminar continues to provide attendees with updated and relevant information from experts in combustion technologies. The seminar is designed for those responsible for the operation, design, selection and/or maintenance of fuel-fired industrial process furnaces and ovens. With more than 12 hours of instruction from manufacturing professionals, attendees will learn from the best in the industry. For complete details and registration information, go to www.ihea.org/event/Combustion23.

IHEA's popular Safety Standards and Codes Seminar will provide a comprehensive overview of NFPA 86, including the recent updates in the newly released NFPA 86 Standards for Ovens & Furnaces, 2023 Edition. The seminar covers critical safety information for those involved with a wide range of industrial thermprocess applications. Sessions will cover the required uses of the American National Standards governing the compliant design and operation of ovens and furnaces. Speakers are all involved in NFPA and serve on the technical committees, so they can bring the most updated information to attendees. For more information and registration details, go to www.ihea.org/event/Safety23.

TABLETOP EXHIBITION AND RECEPTION

There will be a combined tabletop exhibition and reception Tuesday, October 31. Attendees from both seminars will have the opportunity to speak with company representatives and learn more about the

products and services discussed in the classroom. Member companies benefit by connecting with attendees from both seminars during the tabletop exhibition and reception.

Registration fees for the seminars include admission to one seminar, seminar materials, tabletop exhibition and reception on Tuesday, and lunch and refreshment breaks on Tuesday and Wednesday. Upon completion of the course, seminar attendees will be issued a certificate documenting 15 Professional Development Hours (PDHs). There is a group discount available for two or more registrants from the same company who register at the same time. The first registrant will pay the full registration fee, and each subsequent registrant will receive a \$125 discount. Seminar details and registration information are at www.ihea.org/Fall23.

IHEA CALENDAR OF EVENTS

JUNE 15

Sustainability & Decarbonization Webinar Series – Defining Greenhouse Gas (GHG) Emissions

Greenhouse Gases (GHGs) come in several forms. One of the most common is carbon and this is what this webinar will focus on. Carbon emissions fall into several categories known as "scopes." This presentation will define scope 1, 2, and 3 carbon emissions.

JULY 20

Sustainability & Decarbonization Webinar Series – DOE Tools and Programs for GHG Reduction

There are many options available to help determine carbon emissions for equipment, processes, sites, and organizations. This presentation will review some of these available tools and how to apply them to different situations.

AUGUST 21

Fundamentals of Industrial Process Heating

6 week online course | \$775 IHEA members / \$950 non-members

This course is designed to give the student a fundamental understanding of the mechanisms of heat transfer within an industrial furnace and the associated losses and the operation of a heating source either as fuel combustion or electricity.

AUGUST 24

Sustainability & Decarbonization Webinar Series – Ongoing Sustainability: Industry Best Practices

Carbon reduction is not a project, it is a process, and must be ongoing. Earlier sessions will help you determine your carbon footprint and understand ways to track and impact your carbon footprint. In this presentation, we will review methods and programs to ensure the continual improvement of your carbon reduction efforts.

For details on IHEA events, go to www.ihea.org/events

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