



INDUSTRIAL HEATING EQUIPMENT ASSOCIATION

Learn from the best: Expand your knowledge with IHEA education



IHEA's online courses have been a successful source of high-level education for those who prefer a virtual learning experience. The Fundamentals of Industrial Process Heating will run from October 27 through December 14. This extensive six-week course provides a basic understanding of process heating, and an engineering background is recommended to take this course. The curriculum includes the basics of heat transfer, fuels and combustion, energy use, furnace design, refractories, automatic control, and atmospheres as applied to industrial process heating. Weekly coursework, quizzes and a final exam project are administered to guide students on their progress and evaluate their knowledge of the material.

Moderator interaction is available during the weekly forum discussions and via email for questions and to review the coursework. Dan Curry serves as moderator for the course. Curry, now retired, has experience in product development and management in industrial burners, burner control systems, temperature controls, and combustion systems. Throughout his working career he served on various technical committees for ISO TC244, NFPA 86, NFPA 87, CSA B149.3, and the Safety Standards & Code Committee of Industrial Heating Equipment Association.

Registration fee includes the online course materials sent elec-

tronically. A printed version also can be purchased. Students successfully completing the course will receive a certificate of completion noting 18 PDHs. The course fee is \$775 for IHEA members; \$950 for non-members. A group discount is available when you register two or more people from the same company at the same time. The first person will receive the regular rate, and each additional attendee will receive a \$125 discount.

For a complete listing of the topics covered and registration information, go to: www.ihea.org/event/FundamentalsFall25.

ENDLESS OPPORTUNITY WITH IHEA FALL SEMINARS

IHEA's Combustion Seminar and the Safety Standards and Codes Seminar are scheduled for November 11-12 at the Hilton Garden Inn Toledo/Perrysburg in Ohio. The concurrent seminars are led by IHEA member company representatives who are greatly involved in combustion technology and NFPA 86 working groups. There will also be a combined tabletop exhibition and reception on Tuesday evening for attendees of both seminars. The networking and after-hours learning are ideal for everyone in the thermal-processing industry.

IHEA's popular Safety Standards and Codes Seminar will provide a comprehensive overview of NFPA 86, including the updates to the NFPA 86 Standards for Ovens & Furnaces, 2023 Edition. The seminar covers critical safety information for those involved with a wide range of industrial thermal-process 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.

The two-day seminar provides a comprehensive review of the 2023 edition of NFPA 86, highlighting requirements for:

- » Class A, B, & C Furnaces.
- » PLC based burner management systems.
- » Safety shutoff valves.
- » Safety equipment and application.
- » Safety controls and devices.
- » Safety shutoff valves.
- » Thermal oxidizers.
- » Gas line evacuation (purging) & charging.

Additional topics include:

- » General requirements, locations, and construction.
- » Fuel piping, purging and commissioning.
- » Commissioning, operations, maintenance, inspection & testing.
- » Hydrogen introduction.

For more information and registration details, go to: www.ihea.org/event/Safety25.

For more than 50 years, IHEA's Combustion Division has been a trusted source of high-quality education for professionals in the thermal-processing industry. The Combustion Seminar continues this tradition, offering up-to-date insights from leading experts in combustion technology. Designed for those involved in the operation, design, selection, or maintenance of fuel-fired industrial furnaces and ovens, the seminar delivers more than 12 hours of instruction from seasoned manufacturing professionals — providing attendees with practical knowledge from the best in the field.

Topics covered in this seminar include:

- » Fundamentals of combustion.
- » Burners and nozzles.
- » Practical fluid flow and piping practices for combustion systems.
- » Radiant tube burner concepts.
- » Combustion system safety.
- » Flame safety and sequence control.
- » Fuel/air ratio control.
- » Enhanced combustion efficiency.
- » Heat application — low temperature.
- » Heat application — high temperature.
- » Combustion system troubleshooting.
- » Optimizing heating strategies to maximize performance.
- » Intro to hydrogen combustion and decarbonization.
- » Furnace and process controls.
- » Combustion systems and the environment.

For complete details and registration information, go to www.ihea.org/event/Combustion25.

TABLETOP EXHIBITION AND RECEPTION

There will be a combined tabletop exhibition and reception on Tuesday, November 11. 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. Go to www.ihea.org/events/event_list.asp and scroll down to the seminar of your choice for registration and hotel information.

IHEA WEBINARS: SUSTAINABILITY DISCUSSION THAT FITS YOUR SCHEDULE

With the popularity and success of IHEA's Sustainability Initiatives, IHEA continues to offer webinars on this critical topic.

"The IHEA Board of Directors feels there is a strong need to continue providing valuable information that will assist our industry in navigating sustainability issues," said IHEA Executive Vice President Anne Goyer.

All webinars are free.

IHEA's Sustainability & Decarbonization Webinar Series focuses on carbon producing heating processes and provides methods to

optimize their efficiency and thereby reduce their carbon emission intensity. The webinars cover the various scopes of carbon emissions and the methods to determine your site, or specific equipment, carbon footprint.

PLAN AHEAD

Burner Laboratories to Advance Fuel Utilization for Thermal Energy (BLAZE)

February 19, 2026.

Presented by Dr. Kristyn Johnson May, U.S. Department of Energy (DOE) at the National Energy Technology Laboratory

The new Burner Laboratories to Advance Fuel Utilization for Thermal Energy (BLAZE) platform is designed to accelerate the commercial adoption of fuel-flexible combustion technologies within the energy-intensive industrial heating sector. These facilities include test furnaces equipped with advanced instrumentation, enabling the rigorous evaluation and validation of novel combustion, sensor, and materials technologies, particularly for industrial heat applications using advanced fuel blends of natural gas, hydrogen, biogas, and ammonia. This webinar will outline how testing and developing technology within the BLAZE platform can help U.S. industries enhance energy efficiency, reduce emissions, and boost competitiveness by enabling the use of a wider range of fuels.

Mark your calendar and watch for more details on the IHEA website, www.ihea.org. To view previous webinars in the sustainability series, click the Sustainability tab and scroll down to Past Webinars to explore the titles. They are all free of charge.

IHEA 2025 CALENDAR OF EVENTS

OCTOBER 27-DECEMBER 14

Fundamentals of Industrial Process Heating On-Line Course

Register Online at www.ihea.org

NOVEMBER 11-12

IHEA 2025 Safety Standards & Codes Seminar

Location: Perrysburg, Ohio

NOVEMBER 11-12

IHEA 2025 Combustion Seminar

Location: Perrysburg, Ohio

NOVEMBER 11-12

IHEA 2025 Fall Seminars Tabletops & Sponsorships

Location: Perrysburg, Ohio **Time:** Sponsorship Promotion - Entire Fall Seminars

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

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