

**Course Fee: US\$450**

This workshop is an introduction to modeling the performance of process fired heaters using *Xfh Ultra*. Starting with a brief review of fundamental concepts, attendees will then use an API 560 Specification Sheet of a proposed fired heater design to develop a complete fired heater model in *Xfh Ultra* and rate the heater's performance.

**Key Topics**

- Process fired heater fundamentals
- *Xfh Ultra* capabilities and applications
- Heuristic approach to model development in *Xfh Ultra*
- Fluid definitions, process specification, and geometry inputs
- Practical guidelines for interpreting *Xfh Ultra* output reports and measures of performance

**Suggested Participants**

Engineers with or without prior knowledge of fired heater design, who rate the performance of process fired heaters

**HTRI Software**

This course will make use of the following HTRI software: *Xfh<sup>®</sup> Ultra*. All training materials are based on the current software version.

**Course Credits:** 6 hours (PDH/CEU)

**Outline**

- I. Fired Heater Characteristics and Terminology
  - Definition
  - Applicable industry standards
  - Classification
  - Description of components
- II. Rate a Fired Heater using *Xfh Ultra*
  - Evaluate fired heater design
  - Navigate user interface
  - Interpret results