

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

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