Course Fee: US$450

This workshop is an introduction to modeling the performance of process fired heaters using ***X****fh 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 ***X****fh Ultra* and rate the heater's performance.

Key Topics

- Process fired heater fundamentals
- ***X****fh Ultra* capabilities and applications
- Heuristic approach to model development in ***X****fh Ultra*
- Fluid definitions, process specification, and geometry inputs
- Practical guidelines for interpreting ***X****fh 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
   - Decription of components

II. Rate a Fired Heater using ***X****fh Ultra*
   - Evaluate fired heater design
   - Navigate user interface
   - Interpret results

© Heat Transfer Research, Inc. All rights reserved