Introduction to Pyrometry is a two-day review and comprehensive discussion of the SAE AMS 2750 specification and how to apply the requirements at your company.

Topics covered include:

Overview of AMS 2750, associated requirements, and what a heat treater will need to consider and implement to ensure compliance.

Basic temperature sensors (thermocouples), applications for sensors, considerations for the working environment, sensor verification and using sensors effectively.

Instrument requirements to include standard instruments, test instruments, controlling/monitoring/recording instruments, how heat treat furnaces are identified for furnace class and instrumentation type, and more.

How to conduct System Accuracy Tests (SAT) using pictorial furnace examples, calculating SAT results, SAT frequency, SAT waivers, and records/reports, and more.

When a Temperature Uniformity Survey (TUS) is required, test temperatures, how to conduct the TUS using pictorial furnace examples, how to use the results, TUS failures, use of offsets, retort furnaces, requirements for the TUS report.

Course Objectives

- Assure a thorough understanding of pyrometric controls applicable to heat treating.
- Discuss the application of pyrometric controls within the typical heat treat facility.
- Clarify the intent and interpretation of SAE AMS 2750.

Who should attend?

- Those who have general oversight, management or support responsibility for pyrometry and need to understand the requirements
- Pyrometry Service Providers
- Quality Manager and/or Quality Engineer

Next Steps

- Go to www.eQuaLearn.com
- Email eQuaLearn@p-r-i.org
- Call +1 724 772 8645 (Americas), +44 870 350 5011 (Europe) or +86 10 6461 9807 (Asia)