



# Level I Thermographic Applications

**Nov. 5-8, 2012** Sponsored by Ewing-Foley, Inc.



## Level I Course Outline

### Monday, 8:00 a.m. - 5:00 p.m.

- Introductions and overview of training schedule
- Learning to Think Thermally
- Applied theory: Heat transfer basics, Radiometry
- Using the imaging equipment, hands-on instruction and practice

### Tuesday, 8:00 a.m. - 5:00 p.m.

- Inspecting electrical systems:
  - Conducting inspections safely
  - Patterns and causes
  - Conditions for successful inspections
  - Examples of equipment to be inspected
  - How to conduct a systematic electrical survey
- Basic temperature measurement in electrical surveys
- Prioritizing findings

### Wednesday, 8:00 a.m. - 5:00 p.m.

- Inspecting mechanical systems:
  - Motors
  - Rotating equipment
  - Steam traps
  - Refractory insulation
  - Tanks and silos
- Implementing thermography:
  - Report forms
  - Setting up inspection routes
  - Procedures
  - Using the imaging equipment, hands-on instruction and practice

### Thursday, 8:00 a.m. - 5:00 p.m.

- An overview of other applications
  - Building diagnostics
  - Roof moisture inspections
- Using the imaging equipment, hands-on instruction and practice
- Course wrap up and review
- Course test

**What:** 4 Day Certification Course

**Where:** Courtyard Seattle Southcenter  
400 Andover Park West  
Tukwila, Washington 98188

**When:** Nov. 5-8, 2012

**Cost:** \$1695

The purpose of this training is to provide hands-on applications instruction in the use of thermographic imaging equipment to customers and/or personnel. This training will focus on those applications relevant to the inspection needs of the students, especially inspections of electrical and mechanical systems, approaches to production and process-related problems, and a general background in solving thermal problems.



The participants, upon completion of the training, will have an understanding of the basic heat theory necessary for thermal work, will know how to best utilize the imaging equipment they have, and will be better able to employ the equipment to perform surveys. This will enable them to more fully incorporate this inspection method in their existing programs to reduce unscheduled downtime, improve system performance and reduce maintenance costs.

**SPACE IS LIMITED! PLEASE REGISTER AT YOUR EARLIEST CONVENIENCE TO GUARANTEE A SEAT IN THE COURSE. TO REGISTER CONTACT:**

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**FLUKE**



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