

Surge Protection 2010: SPDs & UL 1449 3rd Ed. Have Arrived!

Free Seminar!
No Cost to Attendees!

HOSTED BY:



Advanced Protection Technologies

14550 58th Street North
Clearwater, FL 33760
(800) 237-4567

Course Includes:

Comprehensive Training Binder
Working Lunch & Snacks
IEEE coordination to notify FBPE of PDH credits

2010 Seminar Dates:

-8:45AM-4PM
-Working Lunch

February 18 (Thursday)

April 22 (Thursday)

June 17 (Thursday)

October 21 (Thursday)

December 9 (Thursday)

February 10, 2011 (Thursday)

Contact us for special groups

0.7 CEUs (7PDHs) in Area of Practice for Florida Professional Engineers
Meets State of Florida PE PDH 'Area of Practice' requirements
Approved IEEE CEU Program, Florida Board of Professional Engineers

Comprehensive Course Topics:

- Explanation of Electrical Transients; Where they come from, What they do
- Technical Standards for Surge Suppression; IEEE, UL, NEMA, etc.
- Explanation of continuing regulatory action
- How TVSS and SPD's work
- Explanation of Common Features
- Performance Ratings
- Designing Effective Facility Protection
- Recommended Performance Ratings and Why



- Installation Options
- Surprises – What doesn't work and why
- Key Specification Parameters
- Protecting Engineer of Record
- Live Testing & Failure Testing Demonstrations in UL Qualified Client Test Data Lab
- History of Surge Industry - Myths and Realities of SPDs & TVSS

Major UL 1449 Changes Coincide with 2008 NEC Article 285 changes

- **TVSS renamed to SPDs**
- **New SPD Types: Types 1, 2, 3 & 4**
- **New I nominal ratings**
- **New Voltage Protection Ratings (VPRs) replace old-style SVRs**
- **Bid Specifications become Obsolete as product evaluation & ratings**

Complimentary 0.7 CEUs (7 PDH's) for FBPE Areas of Practice
For Enrollment, Syllabus, and Learning Objectives:
Contact APT at (800) 237-4567 or lfarquhar@apttvss.com



Cannot Attend? *White Papers and Information at www.aptspd.com*



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**Approved IEEE Continuing Education Program
FBPE Area of Practice Suitable**

Explained so you can understand it!

Past Attendees:

"Outstanding & Excellent!"

"Very, very good & well done"

"Subjects have been treated in a very professional way"

"Very good presentation, recommend all engineers to see it"

"One of the best courses available"

UL 1449 3rd Edition has arrived!

**Free Seminar!
Earn IEEE CEUs!***

*0.7 CEUs (7PDHs) in Area of Practice for Florida Professional Engineers