



# The Electrical Association of Philadelphia

presents

## Article 220 Calculations plus Conduit Fill and Conductor Derating Class

### Friday, March 24, 2017



This seminar will provide contractors, inspectors and design professionals with the knowledge to perform installation, plan review, design, and inspection of branch circuit, feeder, and service installations. NEC® Article 220 will be the main source of content for this seminar. NEC® Chapters 3 & 4 and other interrelated articles will be referenced and utilized for examples, sample calculations, and worksheets

A comprehensive knowledge of Article 220 is essential in the design; plan review, installation, and inspection of electrical systems. This course will increase attendee comprehension of all the parameters of Article 220 and several other interrelated Sections of the NEC®.

#### Outline Article 220 /Segment

- Provide overview and application of NEC Art. 220 – Section 1
- Art. 220 - Section II Feeders and Services
- Art 220 - Section III Optional Calculations for Feeder and Service Loads

Outline Conduit Fill Segment

Outline Conductor Derating Segment

- CEUs:** 8 hours for Phila. NJ, & DE Contractors, Electrical Inspectors, 8 PDHs for PA PEs
- Date:** Friday, March 24, 2017
- Schedule:** 7:00 a.m. – Registration - 7:30 a.m. - 4:30 p.m. Course
- Cost:** EAP Member Rate - \$250, Non-Member Rate - \$295
- Location:** The EAP Offices, Plymouth Meeting, PA
- Instructor:** Tom Pernal, Tom Pernal Electrical Seminars LLC

#### Required Text / Material

- A handheld calculator (please bring)
- 2011 or 2014 National Electrical Code

#### About the Instructor

Ton Pernal is owner of Tom Pernal Electrical Seminars, Instructor at Rutgers, Instructor at Ocean County Vocational School, President and Instructor for IAEI South Jersey. Member of NFPA Electrical and Education Sections

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- Register on-line: [www.eap.org](http://www.eap.org), faxing (610) 825-1603 or calling The Association (610) 825-1600
  - Make checks payable to: The Electrical Association of Philadelphia or "EAP"
  - Questions? Call EAP Offices at (610) 825-1600, ext. 12 - Mair or email [mair@eap.org](mailto:mair@eap.org)
  - No Refunds...SEE OUR REFUND POLICY [www.eap.org](http://www.eap.org)
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