



Industry Applications Society

Baltimore IAS – Seminar

Course Title: Electrical Distribution System Fault Analysis

Place: Capitol Tristate
8009 Corporate Drive (Rear of Building)
White Marsh, MD. 21236 410-483-1000

Date: Wednesday, April 25th

Time: 8:30 AM To 4:30 PM

The course will be limited to the first 50 registrants.

Fees: \$100.00 for IEEE members, \$115.00 for non-members

Credits: 7 Professional Development Hours (PDHs)

Description: Electrical Distribution System Fault Analysis

This course will cover the calculation of fault currents along electrical distribution system networks. Faults covered include 3-phase, single-line-to-ground, line-to-line and line-to-line-ground. The impact of the calculated X/R ratio will also be investigated with respect to equipment ratings and selection. Electrical equipment short circuit ratings and X/R ratios will also be discussed. Equipment includes: panel boards, motor control centers, switchgear, disconnect switches, circuit breakers and fuses.

Instructor: Mr. Thomas Smith, PE

Thomas P. Smith P.E. received his B.S. in Electrical Engineering in 1982, and his B.S. in Education in 1981 from the University of Nebraska. Mr. Smith has over 20 years on electrical power system design analysis and training experience. He began his career in 1983 at the U.S. Army Corps of Engineers Omaha District as a design engineer. In 1988 Mr. Smith joined the Reading office of Gilbert/Commonwealth where he performed a wide variety of power system studies for industrial and utility clients. In 1995 he began work as a private consultant. He annually prepares and teaches several seminars on electrical distribution system design and analysis. Mr. Smith is a Registered Professional Engineer and is a member of the IEEE.

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NAME: _____ PHONE: _____

COMPANY NAME: _____

ADDRESS _____

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IEEE MEMBERSHIP NO.: _____ (IF MEMBER) \$100.00 Member \$115.00 Non-member

Make Checks payable to: IEEE/IAS LAST DATE TO REGISTER – April 15th. 2012