



# Industry Applications Society

## Baltimore IAS – Tutorial

**Course Title: Building Power Systems Design**

**Place:** Capital-Tristate Conference Center  
8000 Corporate Drive  
White Marsh, MD 21236

**Date: Thursdays: 4/14, 4/21, 4/28, Tuesday 5/3, Thursday 5/12, 2011**

**Time: 6:00 pm. To 9:00 pm. each night**

The course will be limited to the first 50 registrants.  
Fees: \$250.00 for IEEE members \$275.00 for non-members

***If a Student would like an IEEE Grey Book “Electrical Power Systems in Commercial Buildings”, the cost is \$165 per book additional.***

**Description: IEEE Building Power System Design**

This Course is intended for Electrical Designers, recent graduate Electrical Engineers, and Electrical Contractors desiring a deeper understanding of the electrical design process. The course will take the student from a “blank sheet of paper” through the electrical design of a typical building in the 20,000 to 200,000 square foot range. The course will explain sizing of service entrance equipment, distribution equipment, branch circuits and panelboards. Topics such as voltage selection, grounding, short circuit calculations, coordination studies, power quality, transient voltage surge suppression, motor protection, and single line diagrams will be explained. Homework problems will be assigned.

**Instructor: Jacek Grabowski, P.E.**

Jacek is a consulting engineer in the Baltimore Area. He graduated from University of Maryland, College Park in 1998 with a BS in electrical engineering. He has been working at Leach Wallace since 1999 and received his professional license in 2003. Jacek has been in the electrical design field for 12 years, specialized in healthcare, institutional, and commercial buildings with experience in all aspects of power distribution up through 15kV systems.

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CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

IEEE MEMBERSHIP NO.: \_\_\_\_\_ (IF MEMBER) \$250.00 Member \$275.00 Non-member

**Make Checks payable to: IEEE/IAS LAST DATE TO REGISTER – April 15th. 2010**