

*The IEEE Baltimore
Power Engineering Society
Presents*

**SCADA Systems Present and Future, Substation Automation & Beyond:
Managing Intelligent Electronic Device Data
in the Enterprise
to Realize Real Business Process Benefits**

**Tuesday, September 25, 2007
8 AM – 5 PM**

The purpose of this talk is to familiarize participants with all aspects of substation automation, the term Intelligent Electronic Device (IED), the different levels of substation integration and automation, the reasons a utility would need substation automation and the components of the integration and automation architecture. This discussion flushes out the sensitive, controversial issues that need to be addressed by a utility when implementing substation automation. The characteristics and interface issues associated with Intelligent Electronic Devices (IEDs) is addressed, since the integration architecture is only as good as the integration capabilities of the IEDs themselves. Communication protocol fundamentals and considerations are discussed. Relevant industry standards and their impact on substation automation are described. The characteristics of extracting the valuable data from substation Intelligent Electronic Devices (IEDs) and effectively managing this data in the electric utility enterprise is illustrated.

“Whether new to the Power Industry or more seasoned, this event poses to be very informative and educational”

Presenter: John D. McDonald, P.E.-Vice President Power System Automation, Kema, Inc.

Mr. McDonald is assisting electric utilities in substation automation, feeder automation, SCADA/DMS/EMS systems, and communications protocols. He received his B.S.E.E. and M.S.E.E. (Power Engineering) degrees from Purdue University, and an M.B.A. (Finance) degree from the University of California-Berkeley. He is a Fellow of the IEEE, President of the IEEE Power Engineering Society (PES), and Past Chair of the IEEE PES Substations Committee. He has published 31 papers and co-authored three books, including being Editor-in-Chief, and Substation Integration and Automation Chapter author, for the book Electric Power Substations Engineering, Second Edition, published by Taylor & Francis/CRC Press in 2007.

**Lunch will be provided
Cost is \$175.00 for PES Members
\$200.00 for Non-members
Please RSVP to:
baltimorepes@ieee.org
by Wednesday, September 19th**



Rutherford Business Complex-South

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