

Meeting Announcement

AEE SF BAY AREA CHAPTER PRESENTS

Recent Trends in Substation Automation and Enterprise Data Management

CoSponsored with: – IEEE SF & OEB Power Engineering Society Chapters
– OEB Communications and Computer Societies

Thursday, September 27, 2007 6pm – 8:30pm

Presentation:

The purpose of this talk is to familiarize participants with all aspects of substation automation. The term Intelligent Electronic Device (IED) is defined, and different levels of substation integration and automation are discussed. The reasons a utility would need substation automation are presented, and the components of the integration and automation architecture are discussed with respect to their technical issues. 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 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 IEDs and effectively managing this data in the electric utility enterprise is illustrated.

John D. McDonald, P.E., Vice President, Automation for Power System Automation for KEMA, Inc., 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.

Location: [Scott's Seafood, Jack London Square](#)
2 Broadway
Oakland, California 94607
(510) 444-3456

Dinner: Grilled Salmon Alla Bella, Shitake Crusted Breast of Chicken, or Roasted Vegetable Ravioli.
Served with salad and dessert.

Cost: \$20 Members– \$35 Non-Members – \$20 Students

Reservation: Mandatory – email Carole Pharr carole_pharr@salasobrien.com or call (408) 282-1500 x213
...include choice of entrée

