



The Baltimore/Washington DC ISA Section Presents:

Simulators in the Power Industry

Presented By: Richard Aseltine

When: Tuesday January 19, 2010 from 11:30 AM to 1:00 PM

Where: Bechtel Corporation
5265 Westview Dr., BP1-1A5
Frederick, MD 21703

Cost: The lunch will be free for B/W DC ISA members and will cost \$5.00 for non members. The lunch buffet includes Filet Mignon, Chicken Cordon Bleu, Eggplant Parmesan, plus salad, vegetables, drinks, and dessert. Please RSVP by 11:00 a.m. on Friday January 15, 2010

RSVP: Rich Sommerfield at (301)228-8406 or rsommerf@bechtel.com

Overview: Technology: Past, Present, and Future

Market Drivers:

- Demographics (Aging Workforce)
- Changing Roles on Grid (Baseload vs. Dispatched, etc.)
- Cost of Replacement Power During Forced Outage
- More Simulator Bang for Buck

Types: Emulated, Duplicate Hardware, Hybrid, Virtual

Levels: Tie-back simulation, Algorithmic model simulation, First-principle

Uses: Operator Training, Engineering Design Verification, Operational "What If"

Things to Consider in Specs: Malfunctions, Initial Conditions, Tuning,
Project Implementation

Speaker: Richard Aseltine is a Senior Account Executive with Emerson Process Management Power & Water Solutions, Inc. He has a BSEE and Masters in Engineering Management. His work background includes MIT and IEEE in management positions, Chevron USA as an engineering design rep and as a construction rep, a DCS lead engineer at Brown & Root for the El Segundo Cogen project, then returned to the East Coast to work for ABB as a Proposals Manager, L&N as a Program Director, and been with Emerson for the past nine years.