You are invited to a meeting of the PES & IAS NY Chapter on:

**Tuesday December 22nd, 2015**

**Substation Automation Strategies for the Future**

**THE PRESENTATION:**

New technologies, security concerns and economic factors are driving new designs into Substation Automation. Future automation will include:

- “Box Consolidation” (fewer boxes performing more functions)
- Obtaining Data from IEDs Instead of from Hard-Wired I/O
- Expansion of Ethernet, including Redundant Ethernet
- Time Synchronization over Ethernet
- Making Substation Communication Secure, including DNP3 “Secure Authentication”
- IEC 61850
- Web-Based SCADA Instead of PC-Based SCADA
- Protection and Digital Fault Recording Using 61850 Process Bus

**THE PRESENTER:**

Ray Wright has marketed and managed automation products and systems for the past 34 years, including industrial robotics with Unimation (’81-85), Programmable Controllers at Modicon (’87-’97), Protective relays at ABB (’97-’02) and substation automation and process automation at NovaTech (’02 to present). During this time, Ray has developed new approaches to automation problems, including suites of new products for substation automation while at Modicon, ABB and NovaTech. Ray’s education includes a Bachelor of Science in Mechanical Engineering from General Motors Institute (1978) and a Masters of Administrative Science from Johns Hopkins University (1985).

**ALL ARE INVITED – PLEASE POST**

RSVP: [https://meetings.vtools.ieee.org/m/37293](https://meetings.vtools.ieee.org/m/37293)
Chair Programs: Arnold Wong
wongar@coned.com or (212) 460-4189
Chair Technical Committee: Sukumar Alampur, PE
salampur100@hotmail.com or (917) 522-2844

**FOR SECURITY REASONS: NO WALK-INS!**

**When:** 5:00 pm — Starts-Refreshments & Program
7:00 pm — Program Ends

**Where:**
Con Edison
Edison Room, 19th Floor
4 Irving Place, New York, NY 10003
Nearest Subway: 14th St/Union Sq