



**POWER & ENERGY SOCIETY
INDUSTRY APPLICATIONS SOCIETY
LIFE MEMBERS AFFINITY GROUP
NEW YORK SECTION**



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>

Chair Programs: Arnold Wong

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Chair Technical Committee: Sukumar Alampur, PE

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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

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

