



**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 and the NY LMAG on**

**Brown Field Implementation IEC 61850 Protection and Automation System**

**Tuesday, January 24<sup>th</sup>, 2017**

**THE PRESENTATION:**

This presentation discusses the design and implementation decisions made to successfully upgrade an existing, in service, high voltage substation to a modern IEC 61850 based protection and automation system. The discussions will delve into the design strategies, practical issues encountered, lessons learned and recommendations for future projects. On the positive side, there are the well-known actual and potential benefits of IEC 61850 standard based systems. These include interoperability, reduced installation and life-cycle costs, and future proof design, among others. On the other hand, there are obstacles and practical considerations that erode some of those benefits and create unforeseen project risks and problems in the design and implementation of such a system.

**THE SPEAKER:** Manuel Pimenta, Senior Engineer, Consolidated Edison Company of New York



Manny Pimenta joined Con Edison in 2012 as a Senior Engineer working with Electrical Control and Automation Systems. He has over 20 years of experience with SCADA systems having worked as a Project Engineer, Senior Applications Engineer and Applications Engineering Manager for a SCADA systems manufacturer in NJ. He worked for 8 years in the defense industry, as a Test Systems Engineer and Engineering Team Leader where he was primarily involved in designing automated test equipment for advanced military radar systems. He was part of the EPRI IEC 61850 Test Bed project and a participant in EPRI's Transmission and Substation Area Task Force. Manny has a BS in Electrical Engineering from NJIT and Masters in Computer Science from Stevens Institute of Technology.

**ALL ARE INVITED – PLEASE POST**

RSVP: <https://meetings.vtools.ieee.org/m/42958>

**Chair Programs: Arnold Wong**

[wongar@coned.com](mailto:wongar@coned.com) or (212) 460-4189

**Chair Technical Committee: Sukumar Alampur**

[salampur100@hotmail.com](mailto: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

The Annex

4 Irving Place, New York, NY 10003

Nearest Subway: 14<sup>th</sup> St/Union Sq.

**This program will be awarded IEEE Continuing Education Units.**

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