



**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:

MICROPROCESSOR RELAY PROTECTION - DISTRIBUTION TRANSFORMERS

Tuesday, July 28th, 2015

THE PRESENTATION:

This presentation will focus on the testing of microprocessor relays specific to transformer differential protection. Microprocessor relays have revolutionized the relay protection world and offer significant increased capabilities and cost-efficiencies. These benefits have resulted in increased complexity in design and testing. We will discuss the protection scheme in a sample distribution substation and review the different elements being used to protect the transformer. We will then briefly discuss how new microprocessor relays handle the various nuances of transformer differential protection as well as the testing methodology that is utilized by Con Edison's Protective Systems Testing Group. We will review the various tests that we conduct to verify that the relay settings are as specified for commissioning.

THE SPEAKERS:

NAVEEN MANIKARNIKA is an Engineer with the Technical Applications Group at Con Edison. He received his B.S. in Mathematics at New York University, the B.E. in EE and M.E. in EE from Stevens Institute of Technology. He is currently pursuing an MBA at NYU's Stern School of Business. Prior to his current position, Naveen was part of Con Edison's GOLD program where he worked in three rotational assignments including: Distribution Engineering, 59th Street Generating Station, and Brooklyn Protective Systems Testing. He is also a member of the Enhancing the Customer Experience committee and the PST Procedure Committee. His primary objectives in his current position include developing test plans and coordinating the commissioning of new microprocessor relays as well as supporting field testing.

JASVINDER BLAH is a Technical Supervisor with Manhattan's Protective Systems Testing group at Con Edison. He received his B.E. in EE from the City College of New York in 2004. In 2010, he received his Project Management Professional (PMP) certification from the Project Management Institute (PMI). Prior to his current position, Jasvinder was part of Con Edison's GOLD program where he worked in: Steam Distribution Services (SDS)- Steam Manhole Cover Project; Substation Operations - Protective Systems and Testing group (PST); Manhattan Electric Construction-Instrumentation and Apparatus (I&A) Department. He is also a member of the Enhancing the Customer Experience committee and the PST Procedure Committee. His primary objective in his current position includes testing, maintaining & commissioning various equipment and relay systems to ensure reliability and continuity of service.

ALL ARE INVITED – PLEASE POST

RSVP: email preferred
Chair Tech Discussion Group: Sukumar Alampur, PE
Salampur100@hotmail.com
Chair Programs: Arnold Wong
wongar@coned.com or (212) 460-4189

FOR SECURITY REASONS: NO WALK-INS!

When: 5:00 pm — 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.

This program will be awarded IEEE Continuing Education Units.

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

