

POWER & ENERGY SOCIETY INDUSTRY APPLICATIONS SOCIETY VEHICULAR TECHNOLOGY SOCIETY NEW YORK SECTION



You are invited to a meeting of the PES & IAS NY Chapter and NY VTS Chapter

Grounding for Rail Signal Systems Tuesday, April 23, 2019

THE PRESENTATION:

Transit Signal use ungrounded energies to detect position of trains using vital circuit design. The track circuit for this could be 300feet to couple of miles, so the exact position, direction and speed of train is unknown. This is inefficient use of real estate especially if 30 or more trains per hour have to operate. To improve throughput CBTC (communication based train controls) is being deployed which also meets FTA/FRA PTC requirements. However CBTC uses 3V or 12V redundant design of computers and network switches which require Zero Reference Ground (ZRG). How do you achieve ZRG in transit with leaking DC currents?

THE SPEAKER: VIJAY LALCHANDANI, SYSTRA

Mr. Lalchandani is a Senior Electrical Engineer at Systra in New York City. He has over 30 years of experience in managing large scale projects at NYCT. After joining Systra in 2018, he has since worked on projects for various authorities such as WMATA, CTA, PATH, and LIRR. Mr. Lalchandani is a NY Licensed P.E. with a B.S. in Electrical Engineering.

ALL ARE INVITED – PLEASE POST

RSVP: https://meetings.vtools.ieee.org/m/197142

Chair Programs: Arnold Wong

wongar@coned.com or (212) 460-4189

Chair Technical Committee: Sukumar Alampur, PE salampur100@hotmail.com or (917) 522-2844

VTS Registration, Muamer Dedovic muamer.dedovic.us@ieee.org

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.

This program will be awarded Continuing Education Units.

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