



**POWER & ENERGY SOCIETY
INDUSTRY APPLICATIONS SOCIETY
LIFE MEMBERS AFFINITY GROUP
North New Jersey SECTION**



You are invited to a meeting of the IEEE NNJ PES & IAS NY Chapters & LMAG on:

Transformer Design and Manufacturing

Friday, November 18, 2016 at PSE&G - 4000 Hadley Road, South Plainfield, NJ 07080-1192

[ALL ARE INVITED – PLEASE POST](#)

THE PRESENTATION:

The presentation will be on the Basic of Transformer Design. The presentation will explain how a transformer designer interprets parameters such as MVA, lightning Impulse, Switching impulse, Percentage Impedance supplied by a customer. It will touch on Power rating[MVA], Core, Rated voltages, Insulation Coordination, Short-circuit Impedance, Short-circuit Forces, Loss evaluation, Temperature limits, Cooling, Sound Level .. etc. It will also explain overload and life expectancy of a transformer as well when Delta winding is needed in Wye-Wye connection. The presentation will answer why in North America we like to regulate from low voltage side whereas in Europe regulates from high voltage side. It will include Industry wide manufacturing process to build a transformer in the shop floor. Processes will cover Core Construction, Insulation, Windings, Core and Coil, Processing, Tanking, Testing and Shipping. Some of the hold-points during the processes will be explained as well what a customer should look into while doing factory inspection. The presentation will also cover reconnection both in LV and HV, LTC Tap changer both in tank and separate tank, Lead works.

THE SPEAKERS:

Ronnie Minhaz. Ronnie holds B.Sc. degree in Electrical Engineering from University of Manitoba, Canada. Before founding his own company “Transformer Consulting Services Inc (www.tc-servicesinc.com)”, Ronnie worked as Transformer Designer at Pauwels Canada(Manufacturer), as Equipment Engineer at SNC Lava Lin(EPCM) and Enmax Power(Utility), as Substation Lead Engineer at McGregor Construction(Substation Construction). Ronnie is a registered professional engineer in the province of Alberta, Canada and an IEEE member. Ronnie held various leadership positions at IEEE Section level and a regular member of IEEE PES society.



When:	9:00 AM — Refreshments & Program 2:00 pm — Program Ends
Where:	PSE&G’s Hadley Road Facility 4000 Hadley Road South Plainfield, NJ 07080-1192

Fee Structure	\$
Non-Member	150
Member	100
Fellow Member	100
Senior Member	100
GOLD - Graduate Of Last Decade	75
Student	25
Graduate Student	25
Life Member	0
Guest	0

Click here for [Registration](#)
 Click here for [Directions](#)
 Chapter Chair: Ronald W. Quade, P.E.
rwquade@ieee.org or (973) 219-8802
 IEEE Continuing Education Units will be available for a nominal fee.

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