



TRANSFORMER DESIGN AND DESIGN PARAMETERS

Hosted by the IEEE Orlando PES/PELS/IAS

Dates & Time: Tuesday April 28th at 6pm

Part 1:

Title: Transformer Design and Design Parameters

Abstract:

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.

Part 2:

Title: Transformer Manufacturing Processes

Abstract:

The presentation will be on the 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.

Locations:

Located just off SR 436
OUC Pershing Facility
6003 Pershing Ave
Orlando 32822.

Cost:

IEEE Member:	\$50
Non-IEEE Member:	\$60
Student IEEE Member:	\$Free
Student Non-Member:	\$30

Please RSVP to simonecheverry@ieee.org if you plan to attend by no later than Friday March 27th, 2015 .

