IEEE Power & Energy Society (PES) VIC Chapter Workshop

Transformer Design and Design Parameters

Speaker: Ronnie Minhaz, Transformer Consulting Services, Inc.

Saturday, the 31st October 2020, 9.00am-12.00pm

Venue: Online Link: https://deakin.zoom.us/j/97296206012

Abstract:

The presentation will be on the Basics of Transformer Design. The presentation will explain how a transformer designer interprets parameters such as MVA, Lightning impulse, Switching impulse, and Percentage impedance. It will touch on Power Rating [MVA], Core, Rated voltages, Insulation Coordination, Short-circuit Impedance, Short-circuit Forces, Loss Evaluation, Temperature limits, Cooling, and Sound level. It will also explain overload and life expectancy of a transformer as well as when Delta winding is needed in a Wye-Wye connection. The presentation will answer why North America likes to regulate from the low voltage side whereas Europe regulates from the high voltage side.

Biography of the speaker:

Ronnie holds a B.Sc. degree in Electrical Engineering from the University of Manitoba, Canada. Before founding his own company "Transformer Consulting Services Inc (www.tc-servicesinc.com)", Ronnie worked as a 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 senior member. Ronnie held various leadership positions at the IEEE Section level and is a regular member of the IEEE PES Society.

Free Registration: https://www.eventbrite.com.au/e/transformer-design-and-design-parameters-tickets-124806757371

Date and Time: Saturday 31st October 2020, 9.00 am -12.00 pm

Venue: Zoom Link: https://deakin.zoom.us/j/97296206012

Event Contact: Further enquiries about this event at pes.victorian@ieee.org