



Meeting of the Philadelphia Joint Chapter



## IEEE Power & Energy and Industry Applications Societies

**Topic: Fundamentals of Autotransformers**

**Speaker: Ronnie Minhaz, Transformer Consulting Services, Inc.**

**Date and Time: Tuesday, March 21, 2017**  
**Presentation: 6:00 – 7:30 p.m.**

**Cost: No Charge**

**Location: Drexel University**  
**Bossone 302**  
**3126 Market St.**  
**Philadelphia, PA 19104**

**Public Transportation: SEPTA Subway/Trolley to 30<sup>th</sup> & Market Street.**

**Reservations:** Please register here: <https://meetings.vtools.ieee.org/m/43894> or by visiting [www.ieeephiladelphia.org](http://www.ieeephiladelphia.org) and finding this meeting notice. If you have problems or cannot register online, e-mail or call Stas Muzylowski at [smuzylowski@burns-group.com](mailto:smuzylowski@burns-group.com) or 215-979-7700, ext 7790, **by 5:00 p.m., Monday March 20, 2017.**

**Abstract:** Auto-transformers have weight and overall dimensions which are less than 2-winding transformers of the same outputs thus allowing them to transform larger capacities per unit size. However, auto-transformer design and application require special attention and careful study. This presentation will assist end-users how to specify reliable and economical auto-transformers. Differences in designs of two winding and auto type transformers will be discussed along with types of taps, their electrical connection, physical location, and effects on cost and design. In addition, methods to specify auto-transformers which meet system needs and the influence of taps on maintenance and operation will be presented.

**The Speaker:** Ronnie holds a B.S. degree in Electrical Engineering from University of Manitoba, Canada. Before founding his own company, Transformer Consulting Services, Inc., Ronnie worked as a transformer designer at Pauwels Canada, a major transformer manufacturer. He has also worked for Canadian utilities and large substation engineering and construction companies. Ronnie is a registered professional engineer in the province of Alberta, Canada and an IEEE senior member. He has held various leadership positions at IEEE Section level and is a member of the PES society.

\*\*\*\*\* A certificate of attendance is available upon request \*\*\*\*\*

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