



**POWER & ENERGY SOCIETY
INDUSTRY APPLICATIONS SOCIETY
LIFE MEMBERS AFFINITY GROUP
NEW YORK SECTION**



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

High Efficiency Shielded-Toroidal Transformers

Tuesday, January 27th, 2015

THE PRESENTATION:

HIGHEST Transformers (HIGH Efficiency Shielded Toroidal transformers) are designed to help distribution network operators to save energy. HIGHEST transformers have higher efficiency, greater over-load capability, and increased reliability compared to the current standard. A HIGHEST transformer is dry-type and does not require oil; thus it is more environmentally friendly and is not subjected to catastrophic explosions. The product costs about the same as an oil-filled transformer. Thus, the final objective is to substitute oil-filled transformers with dry-type ones. The presentation will cover some of the issues that utilities are facing with oil-immersed transformers, the standard transformer manufacturing technologies, the new energy efficiency amendments, the objective of the toroidal transformers project, the technical problems solved and the future development of the technology.

THE SPEAKER:

SAEED JAZEBI was born in 1983, Kerman, Iran. He received his B.Sc. and M.Sc. degrees in 2006 and 2008 in electrical engineering from Shahid Bahonar University, Kerman, Iran, and Amirkabir University of Technology, Tehran, Iran, respectively. He received the Ph.D. degree in electrical engineering from NYU Polytechnic School of Engineering in 2014 where he continues his research as a postdoctoral fellow with fields of interest including electromagnetic design, modeling and simulation of electrical machines and power system components, statistical pattern recognition applications in power engineering, power system protection, and power quality. Saeed held several electrical design engineer positions including the North Electric Distribution Company, Kerman, Iran, the Petro Kav Andish Company, Tehran, Iran, and was also a research assistant in the high voltage laboratory at Amirkabir University of Technology (Tehran Polytechnic). Saeed has several years of experience in modeling, design and simulation studies involving power transformers. He has proposed several digital differential protection techniques for power transformers during his M.Sc. studies and transformer models for low- and mid-frequency transients which are published in distinguished journals. He joined the power system group of the NYU School of engineering as a visiting research scholar in October 2011, working on design, research and development of High Efficiency Shielded Toroidal Transformers (HIGHEST Transformers). This project was supported by the U.S. Department of Energy (DOE) and currently with New York State Energy Research and Development Authority (NYSERDA).

ALL ARE INVITED – PLEASE POST

RSVP: email preferred
Chair Tech Discussion Group: Sukumar Alampur, PE
Salampur100@hotmail.com
Chair Programs: Arnold Wong
wongar@coned.com or (212) 460-4189

FOR SECURITY: NO WALK-INS!

When: 5:00 pm — 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 IEEE Continuing Education Units.

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