

4 Vice Chair's Report – Fall 2011 – B. Chiu

4.1 IEEE PES Calendar of Upcoming Events

The table below lists the upcoming PES sponsored conferences and committee meetings. Please check the PES website at www.ieee-pes.org for further details.

Event Name - Location	Date
Innovative Smart Grid Technologies (ISGT) – Kollam, Kerala, India	Thursday, Dec. 1, 2011
Innovative Smart Grid Technologies ISGT) – Manchester, UK	Monday, Dec. 5, 2011
Innovative Smart Grid Technologies (ISGT) - Jeddah Saudi Arabia	Saturday, Dec. 17, 2011
Joint Technical Committee Meeting (JTCM) - Garden Grove, CA	Sunday, Jan. 8, 2012
Innovative Smart Grid Technologies (ISGT) – Anaheim, CA	Monday, Jan. 16, 2012
2012 IEEE/PES T&D Conference And Exposition – Orlando, FL	Monday, May 7, 2012
IEEE PES Innovative Smart Grid Technologies ASIA - Tianjin, China	Monday, May 21, 2012
IEEE PES POWERAFRICA 2012 - Johannesburg, South Africa	Monday, Jul. 9, 2012
2012 PES General Meeting (GM) - San Diego, CA	Sunday, Jul. 22, 2012
IEEE PES T&D 2012 – Latin America Montevideo, Uruguay	Monday, Sep. 3, 2012
Innovative Smart Grid Technologies EUROPE (ISGT Europe) - Berlin, Germany	Sunday, Oct. 14, 2012
2012 International Conference On Power System Technology - Auckland , New Zealand	Tuesday, Oct. 30, 2012
2013 PES General Meeting (GM) Vancouver, Canada	Sunday, Jul. 21, 2013

4.2 Recent Conference Paper Sponsored by Transformers Committee

4.2.1 2011 PES General Meeting (Detroit, MI, July 24–29, 2011)

A total of 17 papers were scheduled for presentation. 11 papers were presented in the Paper Session and the remaining five were scheduled for the Poster Session.

List of eleven papers presented in Paper Session

2011GM0036	Development of Ultra – Low Noise transformer technology
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2011GM0105	A Moisture Diffusion Model for Transformer Oil and Paper
2011GM0328	Multi-Kernel Support Vector Classifier for Fault Diagnosis of Transformers
2011GM0696	Modeling and Analysis of the Suppression of Ferroresonance in Nonlinear Three-Phase Three-Leg Transformers
2011GM0934	A New Method for Analysing Transformer Condition Using Frequency Response Analysis
2011GM0937	A Novel Algorithm to detect Internal Transformer Faults
2011GM0946	A New Techno-Economic Replacement Technique for Transformers
2011GM1021	Field application of a synchronous controller based on the measurement of residual fluxes for the energization of a step-up transformer
2011GM1023	Influence of System Transients on the Residual Flux of an Unloaded Transformer
2011GM1035	Using the vibration frequency response analysis method to detect the winding deformation of power transformer
2011GM1415	A Variable Frequency Constant Current Power Supply for Vibration Analysis Method to Detect the Winding Deformation of Power Transformer

List of six papers presented in Poster Session

2011GM0360	Predictive Learning and Information Fusion for Condition Assessment of Power Transformer
2011GM0950	A Novel Calculation Method of Distributed Parameters in Transformer Winding
2011GM0951	Dissolved Gas Analysis (DGA) of Power Transformer: A Bibliographical Survey
2011GM0979	Understanding Moisture Diffusion Process in Oil-Impregnated Pressboard Insulation of Transformer
2011GM1360	A Generalized Leakage Inductance-Based Method for Discrimination of Internal Faults from Inrush Currents
2011GM1018	Artificial Intelligence Techniques Application to Dissolved Gas Analysis of Power Transformer

The paper(s) highlighted denotes no-shows.

4.3 Upcoming Conference Paper Submitted for Review

4.3.1 2011 IEEE PES Power Systems Conference & Exposition (Orlando, FL, May 7, 2012 March 20 -23, 2011)

A total of 18 papers have been submitted. These papers will be going through the review process.

List of the submitted Papers

2012TD0036	Internal Arcing Fault Detection in Distribution Transformers
2012TD0052	Low-Cost Amorphous-Metal Rolled-up-Core Distribution Transformer
2012TD0087	Corrosion Protection of Transformer Oil Air Coolers
2012TD0130	Transformer Insulation Dry Out as a Result of Retrofilling with Natural Ester Fluid
2012TD0144	Thermal Evaluation of Insulation Systems for Resin-Cast Dry-type Transformers
2012TD0149	Analysis of Influence of Casting Material To Dry-Type Transformers Performance
2012TD0152	The Temperature -Rise Computation of Underground
2012TD0153	Transformer Neutral Point Current Transformer Test Equipment Research and Application
2012TD0154	Cost Effective Online Gas monitoring solutions for Load tap changer condition monitoring
2012TD0261	Gas insulated transformer application for an environmentally-friendly power station upgrade
2012TD0311	Statistical Insights into Furan Interpretation Using a Large Dielectric Fluid Testing Database
2012TD0383	Construction of a High Voltage Test Facility
2012TD0404	Application of On-line Monitoring Systems in the view of Maintenance Engineering of Eletrobras Furnas

2012TD0454	Power Grid Stability Protection against GIC Using a Capacitive Grounding Circuit
2012TD0463	Effects of GIC on Power Transformers and Power Systems
2012TD0561	Evaluation of Distribution Network Transformer Dissolved Gas Analysis (DGA) Data
2012TD0590	FEM Analysis of the Transformer Insulation XY Model
2012TD0637	Life Management of Power Transformer in Distribution Substations

4.4 Conference Paper Review Criteria

In the PESGM 2011 Technical Council meeting in Detroit, we expressed concerns on the quality of the papers being submitted. Many other technical committees also expressed similar concerns. Currently the acceptance criteria do not address some of the concerns such as repeat of information already published previously with a mere change to present the information in a different structure or format. In some cases the papers are submitted by authors from non-English speaking countries and there are significant challenges with grammar and editorial edits. An extract of the existing highlights are listed below in blue text.

Acceptance or Rejection

Proceedings papers are published as part of the Conference Proceedings of the PES General Meeting where the paper is presented. In addition to meeting the criteria outlined above, a Proceedings paper will only be accepted for the meeting if it:

- is submitted in keeping with the published schedules
- is submitted in the required formats with the required paperwork
- addresses the topic in an appropriate manner
- is of a technical rather than commercial nature
- is more than simply a restatement of well-known technology
- is judged to exceed a qualitative criterion of being elementary or trivial in its presentation
- does not exceed the eight-page limit.

The TCPCs have agreed to review and revise the guideline to develop a new draft to address the concerns shared. I will be representing the Transformers Committee in developing this new guideline so I welcome suggestions on how to best handle some of the issues we have encountered in the past.

4.5 Existing Review Guideline for Transaction Papers

Text from the existing established guideline is included below for reference. The same information can be found on the PES website at:

<http://www.ieee-pes.org/part-8-reviewer-and-editor-guidelines>