

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

4.1 IEEE PES Calendar of Upcoming Events

The table below lists the upcoming PES sponsored conferences and committee meetings, along with dates and location of the conference/meetings. For further details regarding these events, please check the PES website at www.ieee-pes.org

International Conference On T&D Construction, Operation And Live-Line Maintenance (ESMO)	May 16-19, 2011	Providence, RI USA
2011 IEEE PES PowerTech	Sunday, June 19-23, 2011	Trondheim, Norway
2011 PES General Meeting (GM)	Sunday, July 24-29, 2011	Detroit, MI USA

4.2 Recent Conference Paper Sponsored by Transformers Committee

4.2.1 2011 IEEE PES Power Systems Conference & Exposition (Phoenix, AZ, March 20 -23, 2011)

A total of three papers were submitted, of which one was accepted presented in the paper session on Tuesday, March 22, and other two papers were rejected.

List of the one Accepted Papers

2011PSCE0300	<u>Neural Networks on Transformer Fault Detection: Evaluating the Relevance of the Input Space Parameters</u>
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List of Two Rejected Papers

2011PSCE0071	<u>Mathematical model for service methodology to enhance the life of a faulty transformer</u>
2011PSCE0173	<u>Transformer Moisture Assessment Using Dissolved Gas Analysis and Diagnostic Test Results</u>

4.3 Upcoming Conference Paper Sponsored by Transformers Committee

4.3.1 2011 PES General Meeting (Detroit, MI, July 24–29, 2011)

A total of 17 papers were submitted, of which 14 have been accepted and three were rejected. Of the 14 papers accepted, 11 are scheduled for Paper Session and the remaining three were scheduled for the Poster Session.

List of Fourteen Accepted Papers

2011GM0036	<u>Development of Ultra – Low Noise transformer technology</u>
2011GM0105	<u>A Moisture Diffusion Model for Transformer Oil and Paper</u>
2011GM0328	<u>Multi-Kernel Support Vector Classifier for Fault Diagnosis of Transformers</u>
2011GM0360	<u>Predictive Learning and Information Fusion for Condition Assessment of Power Transformer</u>
2011GM0696	<u>Modeling and Analysis of the Suppression of Ferroresonance in Nonlinear Three-Phase Three-Leg Transformers</u>
2011GM0934	<u>A New Method for Analysing Transformer Condition Using Frequency Response Analysis</u>
2011GM0937	<u>A Novel Algorithm to detect Internal Transformer Faults</u>
2011GM0946	<u>A New Techno-Economic Replacement Technique for Transformers</u>
2011GM0950	<u>A Novel Calculation Method of Distributed Parameters in Transformer Winding</u>
2011GM1021	<u>Field application of a synchronous controller based on the measurement of residual fluxes for the energization of a step-up transformer</u>
2011GM1023	<u>Influence of System Transients on the Residual Flux of an Unloaded Transformer</u>
2011GM1035	<u>using the vibration frequency response analysis method to detect the winding deformation of power transformer</u>
2011GM1360	<u>A Generalized Leakage Inductance-Based Method for Discrimination of Internal Faults from Inrush Currents</u>
2011GM1415	<u>A Variable Frequency Constant Current Power Supply for Vibration Analysis Method to Detect the Winding Deformation of Power Transformer</u>

List of Two Rejected Papers

2011GM0951	<u>Dissolved Gas Analysis (DGA) of Power Transformer: A Bibliographical Survey</u>
2011GM0979	<u>Understanding Moisture Diffusion Process in Oil-Impregnated Pressboard Insulation of Transformer</u>
2011GM1018	<u>Artificial Intelligence Techniques Application to Dissolved Gas Analysis of Power Transformer</u>

4.4 Paper Review & Editor Guideline

IEEE PES has a documented guideline to help us review the technical paper submitted for PES sponsored conferences. The published guideline is included below in blue text for ease of reference.

IEEE Power & Energy Society Author's Kit

(Part 8 last revised December 2005)

Part 8: Reviewer and Editor Guidelines

Transactions Papers

The Editors and Editors-in-Chief must make decisions on which works submitted to our journals are printed and become part of our archived literature. We reiterate that the reviewers are ultimately responsible to the Authors and the invisible college of our readership for ensuring that the content of the Transactions represents the evolution and progress of our discipline. We need your assistance to accomplish this task.

The following guidelines are offered in the hope that they will aid the reviewers toward the composition of what we hope to be outstanding technical journals.

Content of IEEE Power & Energy Society Transactions

The purpose of the Transactions is to disseminate technical information that signifies new and evolving thoughts. We are among the best in the business, but we do have competition. If we are to maintain our place on library, university and corporate bookshelves, the content of our journals should be refreshingly new, different, novel, and, at times, even controversial. Because of the intellectual content of the printed articles, they should represent the evolution of the state of the art. Thus, our journals will be of long-term value.

These attributes are somewhat subjective, but their definitions need no further debate. However, it is important to agree that accepted articles should be more than being correct or accurate. A very ordinary piece of engineering can be correct but may not necessarily be of archival importance, for it might just be a new twist on an old idea. The articles in our Transactions must be of unquestionable value to the reader. In turn, this means that the reader should not be able to find the equivalent content in another journal or conference proceedings of our Society, or of any other organization. In essence, our criterion should match what the publisher of any high quality journal wants to provide — thought or information which is unique and cannot be found in another place in this form, or as a variant of it.

The above requirements suggest the following criteria for papers that should and should not appear in the Transactions.

Papers of archival value should:

1. Present new methods of analysis or experimentation.
2. Present a new process, design, or technology.
3. Discuss and provide fresh thoughts on the effects of evolving public and environmental policies on the technologies we address and operate.
4. Be written in clear and understandable language.
5. Be of interest to the reader of our journals.
6. Be of long-term value for the profession because of the above attributes.

Such papers are not those that:

1. Plagiarize or regurgitate old and well-proven thoughts.
2. Represent a minor variant of an old thought or analysis.
3. Are written exposing the same or similar ideas in other journals or proceedings.
4. Have copied others' ideas without proper acknowledgment.
5. Are poorly written, or written in an obscure manner.

What the Editor-in-Chief Needs in a Review

The Editor-in-Chief must make decisions on what papers are to be printed in the Journal. Our page budget is limited and can include only about one third of the papers that are currently being submitted. Reviewers are urged to seriously consider the criteria outlined above when reviewing a paper. If a paper satisfies all the above criteria, it should be accepted. If corrections of minor errors such as undersized captions, font size, and misspellings would make the paper of longer-term value, it should be accepted after the corrections. Otherwise, it should be rejected.

Timeliness

The journals of the Power & Energy Society have adopted a goal of 90% of paper decisions within 90 days of submission. This does not appear unreasonable as PES uses a web based system that allows papers submitted to be in the hands of reviewers within only a few days of actual submission. If the authors of submitted papers can't have a decision within a reasonable time they will take their work to one of our competitor journals. Besides, professional courtesy demands that we review the papers in a reasonable time — just as we expect our papers to be reviewed by others quickly. Please do review the paper right away. Don't put it off, or put the paper in a pile of stuff 'to be done'.

Specific Instructions to Access Papers

Reviews are carried out through Manuscript Central, a web based system that is reached over the Internet using a browser. The web sites are <http://tec-ieee.manuscriptcentral.com>, <http://tpwrs-ieee.manuscriptcentral.com> and <http://tpwr-d-ieee.manuscriptcentral.com>. All who interact with these web sites have a user account. This includes all authors. The Editor-in-Chief or headquarters staff appoints reviewers for fixed or indefinite terms, and once assigned, a reviewer can access that paper on the web site. The paper can be either downloaded for printing or read directly in your browser, but you will need some mechanism for reading documents in 'Page Description Format' (PDF) files. Most personal computer systems have a reader and if yours doesn't, you can download a free reader from the Adobe web site.

The review consists of two parts: a numerical rating which is based on several multiple choice elements implemented as 'radio buttons' on the web site. This numerical rating is important, but more important is the subjective rating of the reviewer in the form of a few paragraphs of text. In writing such review comments about the paper the reviewer should ponder the above criteria. Does the paper present a new method for design, analysis or experimentation? Is that technique good? (Is it useful?) Is it interesting? Does it have long-term value for the profession? If the answers to those questions are not all 'yes', the paper will probably be turned down. The reviewer should address each of these questions in the written analysis of the paper.

Here are two situations in which a paper should be returned to the author for revisions:

1. If the paper is not written in clear and understandable language. In this case the authors should have the opportunity and the obligation to make the paper understandable. Returning a paper under these circumstances does not imply that the paper will eventually be accepted.

2. If a paper is otherwise acceptable but has minor issues such as figures being too small to be read, awkward syntax, etc. The author should be asked to fix these defects. In such situations the paper may not need to be reviewed again.

Returning the paper to an author with a request for revisions is not appropriate if there are any major problems such as lack of experimental verification, explanation of a major point, etc. In other words, if the contents and the theme of a paper do not meet the above criteria of archival value, revisions to a paper would not make it acceptable. Such shortcomings are grounds for rejection.

If a paper is rejected, Editors are requested to provide the following directions to the authors:

1. If the paper does not fit within the scope of our Transactions it should not be resubmitted as a revision.
2. If major changes are required the paper may be submitted considering the reviewers' comments. It must not be resubmitted with a few cosmetic changes. In its revised form it should meet the criteria for a Transactions paper.

If the contribution is considered to be only incremental over existing published literature the paper should NOT be revised and resubmitted. However a new paper based on additional work done by the authors will be considered. It is important that reviewers indicate in their review not only what is wrong with a paper, but also what is right. The reviewer of a good paper should indicate why it should be accepted, just as the reviewer of a bad paper should indicate why it should be rejected.

We, the Editors and Editors-in-Chief are very appreciative of the time and effort put into preparation of papers for the Transactions. We wish to ensure that each work submitted to us gets a fair, complete and timely review. We are also grateful to the reviewers without whom we could not publish a credible journal.

Specific directions for web-based review on the Manuscript Central web site can be obtained by sending an e-mail to PES-MCreviewer@ieee.org.

Power Engineering Letters

The responsibility for the review of Power Engineering Letters rests with the Editor-in-Chief and the Editors who make up the Power Engineering Letters Editorial Board. The review process is the same as that outlined above for Transactions papers. The Manuscript Central web site for the review of Power Engineering Letters is located at <http://pesl-ieee.manuscriptcentral.com>.

Proceedings Papers

REVIEW OF PROCEEDINGS PAPERS IS BEING DONE VIA THE WEB FOR MOST CONFERENCES. SEE THE PES WEB SITE (<http://www.ieee.org/power>) FOR DETAILS FOR SPECIFIC CONFERENCES.

Technical Committee Program Chair Responsibility

The responsibility for the review of Proceedings papers submitted to a Technical Committee is assigned to the Technical Committee Program Chair (TCPC) for a specific meeting. The TCPC may elect to review the papers personally or be assisted by reviewers. The number of reviewers for Proceedings papers is at the discretion of the TCPC. The TCPC is responsible for obtaining prompt and authoritative peer review(s) of each paper from qualified expert(s) and for evaluating and summarizing the review(s) within the deadline assigned by the Technical Committee.

The TCPC for the reviewing committee has the obligation to reject a paper without further review if it does not meet the requirements outlined in this guide.

The TCPC is also responsible for putting together the technical sessions sponsored by the committee at the meeting.

Reviewer Responsibility

The reviewer of a Proceedings paper has the responsibility to determine if the paper will impart practical, usable information of contemporary interest to the industry. The subject need not be unique or unprecedented, though the theme should be in general keeping with the goals of the meeting for which the paper is submitted. Regardless of the quality of the paper, a paper must be rejected if it exceeds the eight-page limit, inclusive of references, notes, and biographies. The review must be completed and reported within the published time frame.

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.

Respectfully Submitted

Bill Chiu

Vice Chair

Transformers Committee