

4.0 Vice Chair's Report – T. A. Prevost

The following items report on activities of PES Committees on which the Vice Chair serves as Committee representative.

4.1 Technical Paper Sessions

4.1.1 Technical Paper Session at the 2006 PSCE. The IEEE PES Power Systems Conference and Exposition will be held in Atlanta, Georgia on October 29-Nov 1, 2006. The venue for this conference recently moved from the Marriott Marquis to the Sheraton, Atlanta hotel.

Nine technical papers will be presented during the “Transformers” session of the PSCE:

Papers at PSCE:

PAPER-12.1: Time-Domain Analysis of Transformers by Using Modified Nodal Equations

PAPER-12.2: ANN Ensemble and Output Encoding Scheme for Improved Transformer Tap-changer Operation

PAPER-12.3: High frequency power transformer modeling for Power Line Communication applications

PAPER-12.4: Simulation of single-phase nonlinear and hysteretic transformer with internal faults

PAPER-12.5: Estimation of Transformer Inrush Current under Harmonic Source

PAPER-12.6: Furfural Concentration in Transformer Oil as an Indicator of Paper Ageing, Part 1: A Review

PAPER-12.7: A Transformer Thermal Model for use in an on-line Monitoring and Diagnostic System

PAPER-12.8: Researches viewing the loading level on electro insulating oil state from the electric power transformers

PAPER-12.9: An Automated On-line Monitoring and Fault Diagnosis System for Power Transformers

4.1.2 2007 PES General Meeting Tampa, Florida. The 2007 IEEE Power Engineering Society 2007 General Meeting will be held 24 – 28 June 2007 at the Tampa Convention Center and the Marriott Waterside Hotel in Tampa, Florida, USA.

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The theme of the meeting is *Powering the Future, Today*.

The preferential topics for the meeting are as follows.

Track 1: Understanding and Responding to System–Wide Events, covering such topics as:

- The Northeast Blackout of August 2003
- Physical and cyber security concerns
- Line loading, interconnect issues, IPPs
 - Operating strategies under reduced generation availability (extreme contingencies)
- Releasing excess capacity through VAR control

Track 2: Securing New Sources of Energy, covering such topics as:

- Inherently safe nuclear reactors, clean coal technologies, gas turbine peaking units
- Solar, wind, tidal, geothermal, biomass, fuel cells
- Dispersed generation

Track 3: Improving Reliability and Power Quality, covering such topics as:

- Power electronic switching (sub-cycle source transfer, plant-wide UPS units)
- Super-conducting energy storage
- Advances in SCADA systems (closed loop systems, advanced communications)

Track 4: Using Innovative Measurement and Control Techniques to Improve Customer Service, covering such topics as:

- Advanced protection algorithms, system modeling, economic dispatch
- Fault locating, down conductor detection
- Optical sensing, non-standard instrument transformers

Track 5: Surviving New Markets and New Structures, covering such topics as:

- Software tools (load flow, fault analysis, risk assessment, economic analysis)
- Bundled services and other new post-deregulation economic models
- Improving power engineering education

Submission Requirements: Full 6-8 page papers must be prepared in accordance with the procedures outlined in the PES Authors Kit, available on the PES web site (home page URL: <http://www.ieee.org/power>.) Full papers must be submitted to the on-line submission and review site; a link to the site will be available from the PES home page on or about 16 October 2006. All papers must be submitted by 11 December 2006. *Authors are strongly encouraged to submit papers by 1 December so there will be ample time for review, feedback and revision if necessary.* Authors will be advised via email of acceptance or rejection of the paper by 12 February 2007. If revisions are required, authors will be notified prior to that date. At least one author of each paper must

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register for the meeting and pay the appropriate fee before an accepted paper will be released for publication in the *2007 PES General Meeting Proceedings* or scheduled for presentation during a technical session. *Note: Registration deadline for authors may be earlier than the general registration deadline.*

Additional information about the meeting will be posted as it becomes available on the conference web site at <http://www.ieee.org/power>.

4.2 Committee Organization and Procedures Manual

The Transformers Committee O&P Manual revision is currently in process.

4.3 Power & Energy Magazine Submission

The Transformers Committee needs to prepare an article for P&E magazine. The Vice-Chair will be looking for topics and volunteers to prepare this article. If you have any thoughts please contact the Vice-Chair.

Respectfully submitted,
T. A. Prevost
Vice Chairman