

## 4 Vice Chair's Report – Spring 2010

### 4.1 IEEE PES Calendar of Upcoming Events

#### **2010 T&D Conference and Exposition** (Sponsored by PES)

**April 19 - 22, 2010**

Morial Convention Center

New Orleans, Louisiana, USA

Theme: *Smart Solutions for a Changing World*

Contact Tommy Mayne, 30523 Woodland Dr., Lacombe, LA 70445

+1 504-427-3390, fax +1-985-882-8059

[t.w.mayne@ieee.org](mailto:t.w.mayne@ieee.org)

Web: <http://www.ieeet-d.org>

#### **2010 PES General Meeting**

**July 25 - 30, 2010**

Minneapolis, Minnesota USA

Theme: *Power Systems Engineering in Challenging Times*

Minneapolis Convention Center

1301 Second Avenue South, Minneapolis, Minnesota 55403, 612-335-6000

Hotel Information

Hilton Minneapolis

1001 Marquette Avenue

Minneapolis, Minnesota 55403

612-376-1000

### 4.2 Upcoming Conference Paper Sponsored by Transformers Committee

#### **4.2.1 2010 T&D Conference and Exposition (New Orleans, April 19-22)**

A total of 21 papers were submitted, of which 11 were accepted and 10 were rejected.

##### List of 11 Accepted Papers

2010TD0020	<u>Detection of Inrush Current Using S-Transform and Probabilistic Neural Network</u>
2010TD0225	<u>Transformer Diagnosis Using Probabilistic Vibration Models</u>
2010TD0276	<u>Experimental Research of Vibration Sweep Frequency Response Analysis to Detect the Winding Deformation of Power Transformer</u>
2010TD0294	<u>Detection of Inrush Current Based On Wavelet Transform and LVQ Neural Network</u>
2010TD0311	<u>Investigating Short-circuit in Power Transformer Winding with Quasi-static Finite Element Analysis and Circuit-based Model</u>
2010TD0409	<u>Design of a Planar Power Transformer for High Voltage, High Frequency Use</u>
2010TD0424	<u>Investigation of EMTP Transformer Model for TRV Calculation after Fault Current Interrupting by Using FRA Measurement</u>

2010TD0475	<u>On-Site Methods for Reliable Moisture Determination in Power Transformers</u>
2010TD0528	<u>Moisture in Transformers and Online Dryer Performance</u>
2010TD0646	<u>Ultra High Efficiency Distribution Transformers</u>
2010TD0649	<u>Development of a Fluid Structure Interaction Tool for the Study and Prevention of Transformer Tank Explosions</u>

#### List of 10 Rejected Papers

2010TD0272	<u>Review of Recent Changes to Mineral Insulating Oil Specifications</u>
2010TD0300	<u>HPLC method for the study of degradation products of cellulosic insulation materials in a power transformer</u>
2010TD0387	<u>Methods to improve cycle of vacuum-drying process for power transformers</u>
2010TD0521	<u>Thermal Modeling of Electrical Utility Transformer Using Finite Element Modeling Technique and Thermal-Electrical Analogy</u>
2010TD0607	<u>New consolidated findings in use of Maintenance Free Breathing Systems for Transformers</u>
2010TD0636	<u>Improvements for the Drying and Insulation of Power Transformers with Related Technology</u>
2010TD0687	<u>Distribution Transformer Incorporating External Vacuum Fault Interruption Switch for Fault Protection</u>
2010TD0691	<u>The Use and Advantages of Amorphous Metal in Distribution Transformers</u>
2010TD0711	<u>Transformer Diagnostics using Frequency Response and Terminal Impedance Analysis</u>
2010TD0726	<u>Environment Friendly Power Transformer Technologies</u>

#### 4.2.2 **2010 PES General Meeting (Minneapolis, July 25–30)**

A total of 16 papers were submitted, of which seven have been accepted, one rejected, and the remaining eight papers are still being review at the time of this report.

#### List of Seven Accepted Papers

2010GM0826	<u>Online UHF PD Monitoring for Transformers: Pulses Knowledge Acquisition</u>
2010GM0879	<u>Experimental and Simulation Analysis of Ferroresonance in Single-Phase Transformers Considering Magnetic Hysteresis Effects</u>
2010GM0884	<u>Analysis of Five-Legged Transformer used for Parallel Operation of Rectifiers by Coupled Circuit-Field Approach</u>

2010GM0899	<u>Detection of Minor Winding Deformation Fault in High Frequency Range for Power Transformer</u>
2010GM0965	<u>Fuzzy Logic Approach to Identify Transformer Criticality using Dissolved Gas Analysis</u>
2010GM1320	<u>A Novel Approach for On-Line Deformation Diagnostics of Transformer Windings</u>
2010GM1711 *	<u>Progress Report on Failures of High Voltage Bushings with Draw Leads</u>

\*Note this paper will be present in a Panel Session Format and will be moderated by Phil Hopkinson. The panel topic will be "Breaker reignition transients and their effect on High Voltage Bushings."

#### List of One Rejected Papers

2010GM1567	<u>Development of a Fluid Structure Interaction Method for Prevention of Transformer Tank Explosion</u>
------------	---

#### List of Ten Papers Pending Review

2010GM0299	<u>Power Transformer Insulation Diagnosis under Measurement Originated Uncertainties</u>
2010GM0608	<u>Application of Polarization Based Measurement Techniques for Diagnosis of Field Transformers</u>
2010GM0711	<u>Prioritizing Transformers for Condition Based Asset Replacement</u>
2010GM0902	<u>Ontology-based Fault Diagnosis For Power Transformers</u>
2010GM1357	<u>Appropriate Test Conditions Proposed for Industry Standards of Measuring Transformer Noise</u>
2010GM1381	<u>Determination of transient phenomena during the energization of a 340 MVA transformer having a highly non linear characteristic: modeling and their validation by on site tests</u>
2010GM1647	<u>Dissolved Gas Analysis of a Thermally Overloaded Oil-Immersed Current Transformer</u>
2010GM1686	<u>High Frequency Transformer Modeling using Finite Element</u>

### **4.3 "Robert's Rules of Order" Program**

Copies of "Robert's Rules of Order Newly Revised", "In Brief" are available for the newly appointed activity leaders. Please contact Greg Anderson to secure a copy if you have not been issue one previously.