

**IEEE Transformers Committee
Vice Chair's Report
Fall, 2008 Meeting
Porto, Portugal**

4.0 Vice Chair's Report – James Edward Smith

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

4.1 Technical Sessions

4.1.1 Technical Sessions Committee Meeting Review

The Technical Sessions Committee met at the IEEE PES 2008 General Meeting in Pittsburgh, Pennsylvania on Monday, July, 21 2008 from 1pm to 5pm.

There was considerable discussion on paper sessions during the TCPC Committee meeting. The primary topics of discussion centered on developing a way to “grade” papers from a overall quality of content standpoint. It was felt by some that lesser quality papers should be slotted for poster sessions only while the papers considered to have better topics and content be presented at the Technical Sessions. After lengthy discussions it was the overall consensus that this would be a major deterrent (in general) for developing papers for future presentation. It was felt that we currently had a very good influx of papers and we would not like to not do anything to discourage potential authors from developing papers. It was also felt that the paper development process was very time consuming on the authors part and adding an additional level of “grading” would lead to fewer papers and possibly lesser quality papers in the future.

The second topic was revising and updating the dates for the 2009 General Meeting and the 2009 PSCE Meeting as well as an updated TCPC list. That updated list is now available.

4.1.2 2008 IEEE PES T & D Conference & Exposition – Chicago IL

Wednesday April 23

Poster Session – Sponsored by the Transformers Committee

All posters that were slotted for presentation are listed below. A notation has been made indicating if the poster was actually presented. Please see each item.

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|----------|---|
| 08TD0101 | A Novel Algorithm for the Diagnostics of Power Transformers Using Type -2 Fuzzy Logic Systems - E. Mombello, J. Jardini, G. Ratta. Poster was NOT presented and author was NOT present. |
| 08TD0127 | Condition Monitoring of Power Transformers - A. Dhingra, K. Singh, A. Dhingra, D. Kumar. Poster was NOT presented and author was NOT present. |
| 08TD0183 | Is it OK to Recluse on the Transformer? - D. Desrosiers. Poster was NOT presented and author was NOT present. |
| 08TD0410 | Transformer Paralleling Errors-Prevent, Correct or Ignore? - E.Jauch. Poster was NOT presented and author was NOT present. |

- 08TD0419 The Very Fast Transient Simulation of Transformer Windings in Parallel with MOV Based on Multi-Conductor Transmission Line Theory - Z. Zhang, C. Li, F. Lu. Poster WAS presented.
- 08TDO461 Time Frequency analysis method for the detection of winding deformation in transformer - S. S, J.V. Poster WAS presented.
- 08TD0655 Induced Voltage Test of Distribution Transformers Using Static Frequency - A. Shayegani, H. Mohseer, J.Jadidian, E.Agheb, E. Hasherni, A. Naeiny, A. Ghorbandaeipour, K. Niayesh. Poster WAS presented.
- 08TD0666 Dynamic Loading of Power Transformers Based on Real-Time Monitoring - B. Sparling. Poster WAS presented and author WAS present.
- 08TD0691 Study on Partial Discharge Self-Attenuation Characteristics of a New Dry Type Transformers and Bushings - H. Sihui, E. Euvrard, R.Wang. Poster was NOT presented and author was NOT present.
- 08TD0712 Innovative Power Flow Regulating Tap-Changer Control Installed on Multiple Phase-Shifting Transformers - M.Thompson, H. Miller, J. Burger. Poster was NOT presented and author was NOT present.

4.1.3 2008 IEEE PES General Meeting – Pittsburgh, PA

Monday, July 21, 2008, 5:00pm – 7:00pm

Poster Session – Sponsored by the Transformers Committee

All posters that were slotted for presentation are listed below. A notation has been made indicating if the poster was actually presented. Please see each item.

- 08GM0239 Calculation of Transformer Internal Faults in Short Circuit Analysis - G. Ghanavati, S. M. Kouhsari, A. Kooch, M. Mahmoodan. Poster was NOT presented and author was NOT presented.
- 08GM0681 Application of Equivalent Instantaneous Inductance Algorithm to the Y- Δ Three-Phase Transformer - E. Jin, L. Liu, Z. Bo, A. Klimek. Poster WAS presented.
- 08GM0911 Parameter Identification of the Transformer Winding based on Least-Squares Method - E. Jin, L. Liu, Z. Bo, A. Klimek. Poster WAS presented.
- 08GM0936 Analysis on the Influencing Factors of Transformer Sympathetic Inrush Current - Y. Wang, X. Yin, D. You, T. Xu. Poster was NOT presented and author was NOT present.
- 08GM1151 Modeling and Simulation of Magnetizing Inrush Current of the VSC-HVDC Converter Station Multi-legged Transformer - C. Huang-fu, Z. He, F. Qian, G. Tang, J. Ruan. Poster was NOT presented and author was NOT present.
- 08GM0062 Correlation between Hot-Spot Temperature and Aging Factor of Oil-Immersed Current Transformers - D. R. Vanegas, S. Mahajan. Poster WAS presented and author WAS present.
- 08GM0246 Application of Wavelet Transform and MLP Neural Network For Ferroresonance Identification - G. Mokryani, M. Haghifam. Poster was NOT presented and author was NOT present.

08GM0556 Effects of Moisture and Temperature on the Frequency Domain Spectroscopy Analysis of Power Transformer Insulation - K. Yew, M. Pradhan, T.K. Saha. Poster WAS presented.

2008 IEEE PES General Meeting – Pittsburgh, PA

Wednesday, July 23, 2008, 8:30am – 11:30am

TRANSFORMERS I

Paper Session – Sponsored by the Transformers Committee

All papers that were slotted for presentation are listed below. A notation has been made indicating if the paper was actually presented. Please see each item.

08GM0992 Measuring No - Load and Load noise of Power Transformers using the Sound Pressure and Sound Intensity Methods - Part I: Outdoors measurements - Ramsis Girgis; ABB Inc. Mats Bernesjo; ABB Inc. Keith Garner; ABB Inc. Jan Anger; ABB Inc. Paper was presented.

08GM1388 Measuring No - Load and Load noise of Power Transformers using the Sound Pressure and Sound Intensity Methods - Part - II: Indoors measurements - Ramsis Girgis; ABB Inc., Keith Garner; ABB Inc., Mats Bernesjo; ABB Inc., Jan Anger; ABB Inc., Donald Chu; Consolidated Edison. Paper was presented.

08GM1113 Influence of the Geometrical Parameters of Power Transformer Insulation on the Frequency Domain Spectroscopy Measurement - Manoj Pradhan; University of Queensland, Kelvin Yew; University of Queensland, Tapan SAHA; University of Queensland. Paper was NOT presented and author was NOT present.

09GM0330 A Multi-Purpose Balanced Transformer with Harmonic Eliminating Capability for Railway Traction Applications, Zhiwen Zhang; Hunan University, China Bin Wu; Ryerson University, Canada Longfu Luo; Hunan University, China, Lawu Zhou; Hunan University, China, Fusheng Liu; Hunan University, China. Paper was presented.

08GM1477 Matrix Converter Fed Open-Ended Power Electronic Transformer For Power System Application - Krushna Mohapatra; University of Minnesota, Ned Mohan; University of Minnesota. Paper was NOT presented and author was NOT present.

08GM1495 An Accurate Hysteresis Model for Ferroresonance Analysis of a Transformer - Afshin Rezaei-Zare; University of Toronto Reza Iravani; University of Toronto, Majid Sanaye-Pasand; University of Tehran, Hossein Mohseni; University of Tehran, Shahrokh Farhangi; University of Tehran. Paper was presented.

2008 IEEE PES General Meeting – Pittsburgh, PA

Wednesday, July 23, 2008, 2:00pm – 5:00pm

TRANSFORMERS II

Paper Session – Sponsored by the Transformers Committee

All papers that were slotted for presentation are listed below. A notation has been made indicating if the paper was actually presented. Please see each item.

- 08GM0583 Transformer Winding Diagnostics Using Deformation Coefficient - S. V. Kulkarni; IIT Bombay, P. M. Joshi; IIT Bombay. Paper WAS presented.
- 08GM1013 Contribution to the Study of Transformer Tank Rupture due to Internal Arcing Development of a Computer Simulation Tool, Guillaume Perigaud; Transformer Protector Corporation Sebastien Muller; Transformer Protector Corporation Gael De Bressy; Transformer Protector Corporation Ryan Brady; Transformer Protector Corporation Philippe Magnier; Transformer Protector Corporation. Paper WAS presented.
- 08GM1380 Temperature distribution in Power Transformer windings with NDOF and DOF cooling - Mohammad Taghikhani; Iran University of Science & Technology (IUST Ahmad Gholami; Iran University of Science & Technology (IUST) . Paper was NOT presented and author was NOT present.
- 08GM1017 A Frequency Domain Transformer Model for Simulating Fast Transient Over voltages - Vicente Venegas; Instituto Tecnológico de Morelia, Jose Leonardo Guardado; Instituto Tecnológico de Morelia Enrique Melgoza; Instituto Tecnológico de Morelia, Maximo Hernandez; Instituto Tecnológico de Morelia. Paper WAS presented.
- 08GM1103 Circulating Current Paralleling Failures--Conditions & Consequences Erwin T. Jauch, Beckwith Electric Company, Inc. Paper WAS presented

4.1.4 2009 Event Deadlines

**2009 PSCE (Power Systems Conference & Exposition
Seattle, Washington
March 15 – 18, 2009
Theme: The Next Generation Grid**

**Call for papers opens: July 21, 2008
The deadline for papers submissions is: September 8, 2008
Authors will be notified by: October 15, 2008**

**2009 IEEE PES General Meeting – Calgary, Alberta, Canada
July 26 – 30, 2009
Theme: Investment In Workforce and Innovation for Power Systems**

**Call for papers opens: November 3, 2008
Paper submission closes: December 3, 2008
Authors will be notified (accept, reject or revised) by: February 2, 2009**

4.1.5 Calendar of Upcoming Events 2008

T&D Latin America (Sponsored by PES)

August 13 – 15, Bogota, Columbia,

e-mail tydla2008@ieee.org, Web: <http://www.ieee.org.co/~tydla2008/>

International Conference on Power Technol (POWERCON) (Cosponsored by PES)

October 12 15, New Delhi, India,

Contact Dr. Subrata Mukhopadhyay, DII - 62 Pandara Road, New Delhi -110003, INDIA, Tel: +91-11-23383778, fax: +91-11-26170541

e-mail: pesrrap@ieee.org Web: <http://www.ewh.ieee.org/rl0/delhi/piconf.htm>

IEEE Energy 2030 (Cosponsored by PES)

November 17 – 18, Atlanta, GA, USA,

Contact Dr. Deepak Divan, Georgia Tech, School of ECE, 777 Atlantic Dr. Atlanta, GA, 30332, USA, Tel: +1-404-835-4036,

e-mail: ddivan@ece.gatech.edu Web: <http://ewh.ieee.org/conf/energy20301>

2009

PES Power Systems Conference and Exposition (PSCE) (Sponsored by PES)

March 15 -13, Seattle, Washington, USA,

Contact General Chair Hardev Juj,

email hsjuj@bpa.gov or co-chair Max Emrick, email memrick@ci.tacoma.wa.us Web:

<http://www.psceexpo.com/2009/>

Asia-Pacific Power and Energy Engineering Conference (APPEEC) (Cosponsored by PES)

March 28 – 30, Wuhan University, Wuhan, China,

Contact Jing Feng, Advanced Research Center for Science and Technology, Main Building, No. 1715, District Two, Wuhan University, Wuhan Hubei 430072, China, +86-27 68775482, fax +86-27-68775482, email jamfengjing@sina.com Web: <http://www.srpublishing.org/conference/icpee> or

<http://www.srpublishing.org/appeec2009Submission/website/appeec/index.aspx>

Powertech (Sponsored by PES)

June 28 - July 02, University Politehnica of Bucharest, Romania,

Contact Professor Mircea Eremia, Department of Power Systems, University Politehnica of Bucharest, 313 Spl. Independentei, 060042 Bucharest, +40 21 4029344, fax: +40 21 4029446, email

powertech2009@ansystem.power.pub.ro or eremia@ieee.org

web: <http://ewh.ieee.org/conf/powertech/2009>

PES General Meeting (GM) (Sponsored by PES)

July 26 – 30, Calgary, Alberta, Canada,

Contact General Chair W. O. (Bill) Kennedy, b7kennedy@shaw.ca or Technical Program Chair

Om Malik, maliko@ieee.org

2010

T&D Conference and Exposition (Sponsored by PES)

April 20 – 22, Morial Convention Center, New Orleans, LA, USA,

Contact Tommy Mayne, 30523 Woodland Dr., Lacombe, LA 70445, +1 504 427 3390, fax +1 985 882

8059, t.w.mayne@ieee.org Web: <http://www.ieeeet-d.org/>