

Vice Chair's Report Spring 2009 Meeting

Miami, FL
April 19 – 23, 2009

2009 PSCE (Power Systems Conference & Exposition)

Seattle, Washington
March 15 – 18, 2009

Theme: The Next Generation Grid

Call for papers opened: July 21, 2008

The deadline for papers submissions was: September 8, 2008

Authors were notified by: October 15, 2008

5 papers submitted, 3 accepted, 2 rejected

Paper Session

Session: Transformers

09PSCE0161 Experimental Verification of Distribution Transformer Model under Lightning Strokes

09PSCE0495 Remnant Life Estimation of Power Transformer Using Oil UV-Vis Spectral Response

09PSCE0714 Power Transformer DGA Data Processing and Alarming Tool for On-line Monitors

2009 PSCE Rejected Papers:

09PSCE0583 Analysis of Temperature Monitoring of Power Transformers Using microbend sensors

09PSCE0650 Improved Designing and Specifications of Distribution

2009 IEEE PES General Meeting

Calgary, Alberta, Canada
July 26 – 30, 2009

Theme: Investment In Workforce and Innovation for Power Systems

Call for papers opened: November 3, 2008

Paper submission closed: December 3, 2008

Authors were notified (accept, reject or revised) by: February 2, 2009

25 papers submitted, 23 accepted, 2 rejected

Transformers Panel Session:

Tuesday, July 28, 2009, 2:00pm – 6:00pm

Summary: Natural ester seed oil based dielectric fluid is an environmentally advantaged fluid that is increasingly being used as a replacement for mineral oil and for high temperature flashpoint liquids, including silicone and R-TEMP. This report updates experience with use of the fluid over the last two years. Considerable studies have been conducted to investigate heat aging performance of cellulose, electrical contact thermal stability, dielectric strength, moisture sensitivity, and cold temperature performance. A

series of reports presents a summary of work that has been completed to date and examines customer experience with the use of Natural Esters in real transformers. The work contains both new transformers and retro-fills in Distribution and Power Transformers as well as Step Voltage Regulators and Switchgear.

Notes: Index Terms—Natural ester fluids, biodegradable, non-toxic, less-flammable liquids, insulation life, flash & fire point, coking resistant, sludge-free, retrofilling.

Panel Session Papers:

09GM0487 Progress Report On Natural Esters For Distribution And Power Transformers

09GM1580 Natural Ester Dielectric Fluid Development Update

09GM1581 Tapchangers for De-energized Operation in Natural Ester Fluid, Mineral Oil and Silicone

09GM1582 Some Considerations for New and Retrofill Applications of Natural Ester Dielectric Fluids in Medium and Large Power Transformers Revisited

09GM1583 Dielectric Properties of Natural Esters and their Influence on Transformer Insulation System Design and Performance - An Update

09GM1584 Design and Test Experience with Natural Ester Fluid for Power Transformers Update

09GM1588 Distribution Utility Experience With Natural Ester Dielectric Coolants

Conference Transactions

Session: Transformers I

Wednesday, July 29, 2009, 8:00am – 12:00pm

09GM0383 Experimental and Theoretical Analysis of Vacuum Circuit Breaker Prestrike Effect on a Transformer

09GM0475 On the Effects of Subsynchronous Interharmonic Voltages on Power Transformers: Single Phase Units

09GM0765 On the Effects of Subsynchronous Interharmonic Voltages on Power Transformers: Three Phase Units

09GM0873 Parameter Estimation Methods for Five-limb Magnetic Core Model

Paper Session

Session: Transformers II

Wednesday, July 29, 2009, 2:00pm – 6:00pm

09GM0095 Criteria Revision of Dissolved Gas Analysis for Oil-Filled Transformers in Korea

09GM0212 Experimental and Theoretical Analysis of Vacuum Circuit Breaker Prestrike Effect on a Transformer

- 09GM0439 Comprehensive Analysis of Load Noise of Power Transformers
- 09GM0719 Hydrogen Gas Generation Due to Moderately Overheated Transformer Cores

Paper Session

Session: Transformers III

Thursday, July 30, 2009, 8:00am – 12:00pm

- 09GM0856 Genetic Programming Feature Extraction with Bootstrap for Dissolved Gas Analysis of Power Transformers
- 09GM0875 Construction of Transformer Core Model for Frequency Response Analysis with Genetic Algorithm
- 09GM0939 Thermal Modeling and Simulation of Transformers
- 09GM1052 A New Method to Identify CT Saturation Based on the time Difference Algorithm
- 09GM1463 Application of a 3D Computer Simulation Tool as a Decision Making Tool for Optimizing Transformer Protection

Poster Session

Session: Transformers I

Monday, July 27, 2009, 5:00pm – 7:00pm

- 09GM0425 Intelligent Framework and Techniques for Power Transformer Insulation Diagnosis
- 09GM0488 Understanding Frequency & Time Domain Polarisation Methods for the Insulation Condition Assessment of Power Transformers
- 09GM0565 Frequency Effect on Calculation for Voltage Distribution of Winding

2009 IEEE PES General Meeting Rejected Papers:

09GM0923 Determination of Partial Discharge Location in Power Transformers Using Bayesian Network and Fuzzy ARTmap Neural Network

09GM1500 Dielectric Properties of Natural Esters and their Influence on Transformer Insulation System Design and Performance - An Update

IEEE PES Calendar of Upcoming Events

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.pscexpo.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 iamfengjing@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.ieeet-d.org>

Future Calls for Papers

2009 IEEE Bucharest PowerTech Conference

28 June - 2 July 2009 Romania, Bucharest [Call For Papers](#)

2009 IEEE PES/IAS Conference on Sustainable Alternative Energy (IEEE SAE)

28 - 30 September, 2009 Valencia, Spain

Conference Chair: Carlos Alvarez: calvarez@iee.upv.es

“Robert’s Rules of Order” Program

Copies of “Robert’s Rules Of Order Newly Revised’, “In Brief” were sent to all Officers,
Subcommittee Chairs, Working Group Chairs and Taskforce Chairs on March 2, 2009. 125
copies were purchased at a cost of \$653.30. 84 were mailed (with postage of \$166.84) and
41 are available for future use.

A professional Parliamentarian, Mrs. Chris Dickey, has been scheduled to be our guest
Educator at Tuesday’s Luncheon (at the Miami meeting). Chris will be attending several of
our Working Group meetings prior to our Tuesday Luncheon to get a better understanding
of our process and how Robert’s Rules of Order can help us. Her goal is to help educate us
on making our meeting more productive.