

6.0 VICE CHAIR'S REPORT – BRUCE FORSYTH

The Vice-Chair's Report was presented at the Monday General Session.

6.1 IEEE PES CALENDAR OF UPCOMING EVENTS

The following are upcoming PES sponsored conferences and committee meetings. Please check the PES website at www.ieee-pes.org for further details, and additional events.

- [2018 IEEE PES Transmission and Distribution Conference and Exposition](#)
April 16 – 19, 2018, Denver, Colorado
- [2018 IEEE PES General Meeting](#)
August 5 – 9, 2018, Portland, Oregon

6.2 2018 IEEE PES TRANSMISSION AND DISTRIBUTION CONFERENCE AND EXPOSITION

April 16 – 19, 2018, Denver, Colorado

6.2.1 Paper Submittals

A listing of the papers submitted, and the status of each submission is shown in Table 1.

Accepted9
Rejected4
 Total Submissions..... 13

Table 1: T&D Conference Papers Submitted

Paper	Title	Status
18TD0042	Online Monitoring Data Cleaning of Transformer Considering Time Series Correlation	Accepted
18TD0085	Online Sequential Extreme Learning Machine for Partial Discharge Pattern Recognition of Transformer	Accepted
18TD0102	Newly Developed and Cost-Effective Submersible Dry-Type Network Transformers	Accepted
18TD0107	Residual Magnetic Flux of Three-Phase Three-Leg Transformer for Controlled Switching	Accepted
18TD0133	Limiting Voltage Dips and Inrush Currents When Energizing Power Transformers	Accepted
18TD0167	Submersible Transformer Inspection Robot (STIR) - A Change of Paradigm	Accepted
18TD0283	Ester-based Dielectric Liquid for Grid Resilience and EHV Mobile Transformers	Accepted
18TD0398	High temperature insulation systems: an option for resilient transformers	Accepted
18TD0401	Monitoring Gas Generation in Transformers	Accepted
18TD0048	Electric Substation Large Power Equipment Innovative and Cost Effective Methods for Repairing Oil and Gas Leaks	Rejected
18TD0225	Bushing 101 Design, Application, Field Issues, Solutions and New Technology	Rejected
18TD0257	Understanding the Sympathetic Inrush Phenomenon in the Power Network using Transformer Explorer	Rejected

Paper	Title	Status
18TD0448	765 KV BUSHING FLASHOVERS CASE STUDY	Rejected

6.2.2 Panel Sessions

A listing of the panel applications submitted, and the status of each submission is shown in Table 2.

Accepted	2
<u>Rejected</u>	<u>1</u>
Total Submissions.....	3

Table 2: Panel Sessions

Title	Duration	Moderator	Status
Keeping grids resilient – Transformer exchange within a few days and further options to maximize network stability (along the entire energy value chain)	4 hr.	E. Schweiger	Accepted
Improving grid stability with variable shunt reactors and phase shifters	2 hr.	J McIver	Accepted
Welcome to the future: sustainable urban energy	4 hr.	J McIver	Rejected

6.2.3 Poster Session Opportunity

PES Working Groups are invited to share their activities through poster presentations. Interested WGs need only show up to the session with their printed poster (max size 48 in. by 48 in.).

6.3 IEEE PES GENERAL MEETING

August 5 – 9, 2018, Portland, Oregon

6.3.1 Paper Submittals

Paper reviews and accept/reject decisions were not yet final at the writing of this report.

Accepted	11
Rejected	4
Withdrawn by Author	1
<u>Withdrawn by Admin</u>	<u>4</u>
Total Submissions.....	20
IEEE Transaction Papers	2 (included in Accepted total)

Table 3: General Meeting Papers Submitted

Paper	Title	Recommendation
18PESGM0090	Prediction of Dissolved Gases Concentration in Transformer Oil Based on KPCA_IFOA_GRNN Model	Rejected
18PESGM0148	Power System Compensation Using a Power Electronics Integrated Transformer	Accepted (Transaction Paper)
18PESGM0213	A Rapid UV-Vis Spectrometry based Method for the Detection of Furfural in Transformer Oil	Withdrawn by Admin
18PESGM0240	Research on Detection and Maintenance Strategy for Operational Defect of 110~500 kV Main Transformer Oil Temperature Gauge	Withdrawn by Admin

Paper	Title	Recommendation
18PESGM0323	Estimation of Design Parameters of Single-Phase Distribution Transformers from Terminal Measurements	Accepted (Transaction Paper)
18PESGM0343	A robust method to detect the contents of methanol in transformers oil	Withdrawn by Admin
18PESGM0580	A more accurate numerical method to calculate pressure rise due to internal electrical faults in oil-filled power transformer tanks	Accepted
18PESGM0778	Impact of Nanosecond Pulse Parameters on Online Impulse Frequency Response Signature of a Power Transformer	Rejected
18PESGM0814	Study on the Consumption Law of Metal Passivator Irgamet 39 in Transformer Oil	Withdrawn by Admin
18PESGM0820	Study of Influence on Metal Passivator Effectiveness	Rejected
18PESGM0854	Performance Evaluation of Thermally Stressed Alternative Solid Dielectrics for Power Transformers Using Raman Spectroscopy	Withdrawn by Author
18PESGM0855	Study on the Consumption Law of Metal Passivator Irgamet 39 in Transformer Oil	Accepted
18PESGM0924	Effectiveness of Using Simplified Methods to Estimate Transformer Loss of Life	Accepted
18PESGM0985	Influence of RC snubbers on the Steepness of Switching Transients caused by Vacuum Circuit Breakers	Accepted
18PESGM1173	Analysis of Vibration Signal for Power Transformer's On-Load Tap Changer (OLTC) Condition Monitoring	Accepted
18PESGM1233	Cascaded LC-AC transformer unidirectional DC/DC converter with high stepping ratio	Accepted
18PESGM1289	Performance Evaluation of Thermally Stressed Solid Dielectrics for Transformers	Rejected
18PESGM1299	Analyzing Differences in Useful Life of Power Transformers across Utilities for Better Strategic Spares Management	Accepted
18PESGM1516	Accurate Estimating Algorithm of Transfer Function for Transformer FRA Diagnosis	Accepted
18PESGM2002	Vibration Monitoring of On-load Tap-changer by Resonance-based Sparse Signal Decomposition	Accepted

6.4 IEEE TRANSACTIONS ON POWER DELIVERY TO DATE IN 2017

No report on Transactions was submitted from IEEE as of March 24, 2018.

Respectfully,

Bruce Forsyth
Vice Chair
March 24, 2018