# Vice Chair’s Report – Bruce Forsyth

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

## 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](http://www.ieee-pes.org) for further details, and additional events.

* [2018 IEEE PES Transmission and Distribution Conference and Exposition](http://www.ieeet-d.org/IEEE18/public/enter.aspx)  
  April 16 – 19, 2018, Denver, Colorado
* [2018 IEEE PES General Meeting](http://pes-gm.org/2018/)  
  August 5 – 9, 2018, Portland, Oregon

## 2018 IEEE PES Transmission and Distribution Conference and Exposition

April 16 – 19, 2018, Denver, Colorado

### Paper Submittals

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

Accepted 9

Rejected 4

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 101Design, Application, Field Issues, Solutions and New Technology | Rejected |
| 18TD0257 | Understanding the Sympathetic Inrush Phenomenon in the Power Network using Transformer Explorer | Rejected |
| 18TD0448 | 765 KV BUSHING FLASHOVERS CASE STUDY | Rejected |

### Panel Sessions

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

Accepted 2

Rejected 1

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 |

### 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.).

## IEEE PES General Meeting

August 5 – 9, 2018, Portland, Oregon

### 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

Withdrawn by Admin 4

Total Submissions 20

IEEE Transaction Papers 2 (included in Accepted total)

Table : 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 |
| 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 |

## 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