

6.0 VICE-CHAIR'S REPORT – DAVID WALLACH

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

6.1 IEEE PES CALENDAR OF RECENT AND UPCOMING EVENTS

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

- 2022 IEEE PES Transmission and Distribution Exhibition and Conference
April 25 - 28, 2022, New Orleans, LA
- 2022 IEEE PES General Meeting
July 17 - 21, 2022, Denver, Colorado
- 2023 IEEE PES General Meeting
July 16 - 20, 2023, Orlando, Florida

6.2 2022 IEEE PES TRANSMISSION AND DISTRIBUTION CONFERENCE AND EXHIBITION, APRIL 25 - 28, 2022, NEW ORLEANS, LA

6.2.1 Conference Theme

The weblink is <https://ieeet-d.org/>

The theme of the conference is *Power in Discovery*.

6.2.2 Conference Paper Submittals

The paper submission period opened to authors on July 8, 2021 and closed on August 15, 2021. Papers were then distributed to various Technical Committees for peer review based upon the paper content. The Transformer Committee peer review process ended on October 28, 2021. Below is a summary of the final paper reviews:

Total Submissions..... 14
Accepted 10
Rejected 4

Below are the conference papers accepted (transaction and conference)

Paper	Title	Type
2022TD0033	How to Improve IEEE C57.104-2019 DGA Fault Severity Interpretation	Conference
2022TD0042	Resilient substations – concepts and applications	Conference
2022TD0053	Innovative Condition Monitoring Solutions Using Integrated Sensing Enabled by a New Generation of Dry Type Insulation	Conference
2022TD0076	Introduction of Clean Air Insulation for High Voltage Instrument Transformers	Conference
2022TD0120	Evaluation of GIC Thermal Capability of Power Transformers – Part I: Core Form Transformers	Conference
2022TD0121	Evaluation of GIC Thermal Capability of Power Transformers – Part II: Shell Form Transformers	Conference

Paper	Title	Type
2022TD0147	Power flow control of carbon-neutral energy to industrialized urban areas	Conference
2022TD0156	Thermal Class of Thermally Upgraded Kraft Insulation in Synthetic and Natural Ester Liquids	Conference
2022TD0181	Improved Gyration-Capacitor Modeling of Magnetic Circuits with Inclusion of Magnetic Hysteresis	Conference
2022TD0026	Assessment of In-Service Synthetic Ester Filled Transformers at 33 kV and Below	Transaction

6.2.3 Panel Sessions

There have been 3 panel sessions proposed for the Transformers Committee activities and two of them have been approved. The 3rd panel was not approved in time and has been moved to the 2022 GM.

The approved panels are:

- “Dual Nameplate kVA Distribution Transformers”, Phil Hopkinson, Dan Mulkey, Kevin Rapp, Al Traut, Steven Rosenstock, Tom Prevost
- “Significant revisions made to C57.104, the IEEE Guide for the Interpretation of Gases Generated in Mineral Oil-Immersed Transformers”, Scott Reed, David Wallach, Ed teNyenhuis

6.2.4 Tutorial Sessions

One tutorial session was approved:

- “Digital condition-based Asset Management Systems” by Markus Stank, Alexei Babizki, Thorsten Krüger and Bastian Auerbach.

6.2.5 Paper Reviewer Recognition

Reviewing conference papers is a valuable service to both the authors and the transformer industry. The efforts spent by those who volunteer their time is an essential part of ensuring the papers that are presented are of the highest quality. The time and effort spent reviewing papers often goes unrecognized. The Transformers Committee offers its thanks and gratitude to the following people who volunteered their time to review one or more of the papers submitted. The number of offers received to review papers was tremendous.

Tauhid Ansari
Steve Antosz
Claude Beauchemin
Enrique Betancourt
Daniel Blaydon
Ali Cheema
Marc Foata
George Frimpong
Eduardo Garcia
Jack Harley
Gary Hoffman
Philip Hopkinson
Akash Joshi
Sheldon Kennedy
Zan Kiparizoski

Vijayan Krishnamurthy
Raja Kuppuswamy
Weijun Li
Xose Lopez-Fernandez
Kumar Mani
Sue McNelly
Ross McTaggart
Ali Naderian
Shankar Nambi
Poorvi Patel
Christoph Ploetner
Tom Prevost
Bob Rasor
Scott Reed
Diego Robalino

Zoltan Roman
Alan Sbravati
Ewald Schweiger
Jin Sim
Kenneth Skinger
Mike Thibault
Jim Thompson
Kiran Vedante
Dharam Vir
Joe Watson
Bruce Webb
Drew Welton
Kris Zibert
Waldemar Ziomek

6.3 2022 IEEE PES GENERAL MEETING, JULY 17 - 21, 2022, DENVER, COLORADO

6.3.1 Conference Theme

The weblink for the event is <http://pes-gm.org>

The theme of the conference is *Powering a Sustainable Future in a Changing World*.

6.3.2 Conference Paper Submittals

The paper submission period opened to authors on Oct 1, 2021 and closed on Nov 22, 2021. Papers were then distributed to various Technical Committees for peer review based upon the paper content. The Transformer Committee peer review process ended on Feb 14, 2022. Below is a summary of the final paper reviews:

Total Submissions..... 5
Accepted 3
Rejected 2

The number of accepted papers is set by the PES Technical Council (target is 50%).

In addition, there was 1 transactions paper which is automatically accepted and does not require a peer review (not included in the numbers above).

Below are the conference papers accepted (transaction and conference)

Paper	Title	Type
22PESGM1144	An Approach for Identification of Inter-Turn Fault Location in Transformer Windings using Sweep Frequency Response Analysis	Transaction
22PESGM1440	Persistence of Excitation in an Online Monitoring of Transformer Conference Paper	Conference
22PESGM1590	Impact of Load Tap Changer Control Operation Under Microgrid Conditions	Conference
22PESGM1826	Accurate Calculation of VAR Demand for a fleet of Power Transformers	Conference

6.3.3 Panel Sessions

One panel session has been approved for the Transformer Committee activities:

- Impact of Geomagnetically Induced Current (GIC) on Power Transformers and Power Systems”, Ramsis Girgis, Mark Olson, Krishnat Patel, Ashley Commander, Thomas Hartmann, Anastasia O’Malley, Chris Pilch, Gary Hoffman and Dan Blaydon. Tutorial Sessions

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Zan Kiparizoski
Axel Kraemer
Weijun Li
Darell Mangubat
Poorvi Patel
Chris Ploetner
Pugal Selvaraj

Michael Thibault
Jason Varnell
David Walker
Bruce Webb
Drew Welton
Igor Ziger

Respectfully submitted,

David Wallach
Vice-Chair
March 7, 2022