IEEE PES TRANSFORMERS COMMITTEE

Spring 2021 Meeting; Virtual Meeting

General Sessions

**Opening Session**

**Monday, April 26, 2021: 8:00 am - 9:00 am CDT (UTC-05:00)**

10.5. Transactions on Power and Delivery (TPWRD) Editor Liaison

**Editor’s Report**

Xose M. LOPEZ-FERNANDEZ

During 2020 a total of 86 papers were in editorial review in the transformer area of IEEE Transactions on Power Delivery for possible publication. For all of these papers the recommendations were as follows:

Accept: 21

Reject (Administrative/Editorial/Technical): 62

Under review: 3

The above numbers include reviews managed by all editors.

The papers which were accepted for publication are shown below:

|  |  |
| --- | --- |
| **DOI** | **Title** |
| [10.1109/TPWRD.2020.2991293](https://doi.org/10.1109/TPWRD.2020.2991293) | Calculation of DC Bias Reactive Power Loss of Converter Transformer via Finite Element Analysis |
| [10.1109/TPWRD.2020.2995879](https://doi.org/10.1109/TPWRD.2020.2995879) | Lagrangian model of an isolated dc-dc converter with a 3-phase medium frequency transformer accounting magnetic cross saturation |
| [10.1109/TPWRD.2020.2999822](https://doi.org/10.1109/TPWRD.2020.2999822) | Low-cost embedded optical sensing systems for distribution transformer monitoring |
| [10.1109/TPWRD.2020.3005225](https://doi.org/10.1109/TPWRD.2020.3005225) | Time-Domain Homogenization of Foil Windings in 2-D Axisymmetric Finite-Element Models |
| [10.1109/TPWRD.2020.3014064](https://doi.org/10.1109/TPWRD.2020.3014064) | Transformer Bushing Thermal Model for Calculation of Hot-Spot Temperature Considering Oil Flow Dynamics |
| [10.1109/TPWRD.2020.3014595](https://doi.org/10.1109/TPWRD.2020.3014595) | Investigation of the interaction between substation transients and Transformers in HV and EHV Application |
| [10.1109/TPWRD.2020.3014914](https://doi.org/10.1109/TPWRD.2020.3014914) | A Novel Non-Isolated Boost-Type Alternate Arm DC Transformer with Bidirectional Fault-Blocking Capability |
| [10.1109/TPWRD.2020.3015797](https://doi.org/10.1109/TPWRD.2020.3015797) | Overload Distribution Transformer with Natural Ester and Aramid-Enhanced Cellulose |
| [10.1109/TPWRD.2020.3021909](https://doi.org/10.1109/TPWRD.2020.3021909) | Application of Operating Deflection Shapes to the Vibration-based Mechanical Condition Monitoring of Power Transformer Windings |
| [10.1109/TPWRD.2020.3023824](https://doi.org/10.1109/TPWRD.2020.3023824) | New State-Space White-Box Transformer Model for the Calculation of Electromagnetic Transients |
| [10.1109/TPWRD.2020.3024839](https://doi.org/10.1109/TPWRD.2020.3024839) | Experimental Studies on the Estimated Life of Oil-Immersed Insulation Paper in Traction Transformers |
| [10.1109/TPWRD.2020.3025816](https://doi.org/10.1109/TPWRD.2020.3025816) | Analytical Technique for Load Noise of Middle Range Capacity Core-Form Power Transformers |
| [10.1109/TPWRD.2020.3031592](https://doi.org/10.1109/TPWRD.2020.3031592) | Suppression of Incoming High-Frequency Overvoltage in Transformer Coils |
| [10.1109/TPWRD.2020.3033447](https://doi.org/10.1109/TPWRD.2020.3033447) | Effect of Voltage Waveforms of HVDC Converter Transformer on Lifetime Characteristics |
| [10.1109/TPWRD.2020.3035361](https://doi.org/10.1109/TPWRD.2020.3035361) | An Attempt to Identify the Faulty Phase in Three-Phase Transformer Windings Using an Advanced FRA Measurement Technique |
| [10.1109/TPWRD.2020.3035718](https://doi.org/10.1109/TPWRD.2020.3035718) | A Novel Oil-immersed Medium Frequency Transformer for Offshore HVDC Wind Farms |
| [10.1109/TPWRD.2020.3035842](https://doi.org/10.1109/TPWRD.2020.3035842) | A Monitoring Method for Average Winding and Hot-Spot Temperatures of Single-Phase, Oil-Immersed Transformers |
| [10.1109/TPWRD.2021.3049505](https://doi.org/10.1109/TPWRD.2021.3049505) | Ageing Analysis of Solar Farm Inverter Transformers |
| [10.1109/TPWRD.2021.3054059](https://doi.org/10.1109/TPWRD.2021.3054059) | Modified Preisach model of hysteresis in multi air gap ferrite core medium frequency transformer |
| [10.1109/TPWRD.2021.3067863](https://doi.org/10.1109/TPWRD.2021.3067863) | Double-End Excitation of A Single Isolated Transformer Winding: An Improved Frequency Response Analysis for Fault Detection |
| [10.1109/TPWRD.2021.3070075](https://doi.org/10.1109/TPWRD.2021.3070075) | Fast and Complete Mitigation of Residual Flux in Current Transformers Suitable for Auto-Reclosing Schemes Using Jiles-Atherton Modeling |

It is important for all interested individuals to follow the norm for writing papers as provided in IEEE; the

link is 28Thttp://www.ieee.org/publications\_standards/publications/authors/authors\_journals.html, particularly helpful is “How to Write for Technical Periodicals and Conferences”: http://ieeeauthorcenter.ieee.org/wp-content/uploads/How-to-Write-for-Technical-Periodicals-and-Conferences-1.pdf

I would like to thank all of the reviewers who volunteered for this effort and donated their time. In particular, those CM and AP who have participated in the review process during 2020:

Aleksandr Levin

Attila Gyore

Ed teNyenhuis

Enrique Betancourt

Jerry R. Murphy

Jim McBride

Jos Veens

Juliano Montanha

Krishnamurthy Vijayan

Marco Tozzi

Ramsis Girgis

Rick Marek

Roger Wicks

Sanjib Som

Waldemar Ziomek

Their important contribution helps to maintain the high standards for our papers and it gives back to the

industry their expert knowledge.

I would like to encourage everyone associated with IEEE Transformers Committee activities to consider becoming a Reviewer. Who are interested, please, send me an e-mail to xmlopez@ieee.org specifying any “Specialty / Area of Expertise” of interest, such as:

Power Transformers

Instrument Transformers

Insulating fluids category

Insulation life

Audible Noise and Vibration

Transformer Modeling Techniques

HVDC Converter Transformers

Reactors

Monitoring

Design

Heating

Etc.