

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	Calculation of DC Bias Reactive Power Loss of Converter Transformer via Finite Element Analysis
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	Low-cost embedded optical sensing systems for distribution transformer monitoring
10.1109/TPWRD.2020.3005225	Time-Domain Homogenization of Foil Windings in 2-D Axisymmetric Finite-Element Models
10.1109/TPWRD.2020.3014064	Transformer Bushing Thermal Model for Calculation of Hot-Spot Temperature Considering Oil Flow Dynamics
10.1109/TPWRD.2020.3014595	Investigation of the interaction between substation transients and Transformers in HV and EHV Application
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	Overload Distribution Transformer with Natural Ester and Aramid-Enhanced Cellulose
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	New State-Space White-Box Transformer Model for the Calculation of Electromagnetic Transients
10.1109/TPWRD.2020.3024839	Experimental Studies on the Estimated Life of Oil-Immersed Insulation Paper in Traction Transformers
10.1109/TPWRD.2020.3025816	Analytical Technique for Load Noise of Middle Range Capacity Core-Form Power Transformers
10.1109/TPWRD.2020.3031592	Suppression of Incoming High-Frequency Overvoltage in Transformer Coils
10.1109/TPWRD.2020.3033447	Effect of Voltage Waveforms of HVDC Converter Transformer on Lifetime Characteristics
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	A Novel Oil-immersed Medium Frequency Transformer for Offshore HVDC Wind Farms
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	Ageing Analysis of Solar Farm Inverter Transformers

10.1109/TPWRD.2021.3054059	Modified Preisach model of hysteresis in multi air gap ferrite core medium frequency transformer
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	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 http://www.ieee.org/publications_standards/publications/authors/authors_journals.html, particularly helpful is “How to Write for Technical Periodicals and Conferences”: <http://ieeauthorcenter.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.