Transactions on Power and Delivery (TPWRD) Editor Liaison Report IEEE PES Transformer Committee

March 24, 2025– Spring Meeting,
Denver, CO

Xose Lopez-Fernandez

IEEE PES TRANSFORMERS COMMITTEE
Spring 2025 Meeting: Denver, Colorado USA October 23– 27, 2025

IEEE TRANSACTIONS ON
POWER DELIVERY
IEEE POWER & ENERGY SOCIETY
OCTOBER 2024 VOLUME 39 NUMBER 5 ITPDE5 (ISSN 0885-8977)

Editor's Report (16.03.2025)
Xose LOPEZ-FERNANDEZ

During 2024 until March 16, 2025, a total of 119 papers were and are in the 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 ……..	18
Revise & Resubmit ……..	10
Under review ……..	13
Reject .. ……..……	64
Editorial / Administrative Reject ……..……	14

TOTAL (During 2024 until March 16, 2025) …….. **119**
The above numbers include reviews managed by all editors.

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The papers accepted for publication are shown below:

DOI /Accepted	Title / Accepted
10.1109/TPWRD.2025.3544827	Implementation of the State-Space Power Transformer Model in ATP for High Frequency Transient Studies
10.1109/TPWRD.2025.3535497	Energy Estimation Method for Power-frequency Arc in Transformer Oil Based on Gap Length and Pressure
10.1109/TPWRD.2025.3535419	Multi-Winding Power Transformer Modeling for Fast-Front Transients
10.1109/TPWRD.2024.3486293	Mechanism of deterioration of oil immersed louver contact on valve side of UHV converter Transformer
10.1109/TPWRD.2024.3504961	On Analytical Estimation of Inductances in Equivalent Ladder Network Model of a Homogeneous Transformer Winding Using FRA Data
10.1109/TPWRD.2024.3474013	Analyzing the Effects of Lightning Strike on Distribution Transformer Failure via Geographically and Temporally Weighted Regression
10.1109/TPWRD.2024.3458804	A Flux Matching Method for Mitigating the Inrush Current of Single-Phase Power Transformers

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DOI /Accepted	Title / Accepted
10.1109/TPWRD.2024.3495556	Parametric Evaluation for Comprehensive Fault Analysis in an Isolated HV-LV Winding Assembly Using Composite Frequency Response
10.1109/TPWRD.2024.3495229	Investigation of Liquid Temperatures and Velocities at Winding Inlet in Natural Cooled Transformers through Complete-Cooling-Loop based CFD Simulations and Experiments
10.1109/TPWRD.2024.3485090	Converter Embedded Testing of Inter-laminar Core Insulation of Step-up Transformers for Wind Energy Applications
10.1109/TPWRD.2024.3502642	Geomagnetically Induced Current Field Test on Large Grid-Connected Power Transformers: Analysis, Model Development, and Simulations
10.1109/TPWRD.2024.3466297	Application of Dynamic Detailed Thermal Hydraulic Model on a Transformer with zig-zag winding scale model
10.1109/TPWRD.2024.3453270	Perturbation-Based Load Sensitivity Identification for Smart Transformer-based Load Control

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DOI /Accepted	Title / Accepted
10.1109/TPWRD.2025.3528121	Transformer Incremental Fault Diagnosis Method Using Lossless Estimation and Balanced Training
10.1109/TPWRD.2024.3502638	Lifetime Improvement of Liquid-Immersed Power Transformers based on Novel Nanofluids and Water Scavenger
10.1109/TPWRD.2024.3389025	Incident Analysis of Excessive Acetylene from a 1000 kV Shunt Reactor due to Transient Operations
10.1109/TPWRD.2024.3474420	Detection of On-Load Tap-Changer Contact Wear Using Vibroacoustic Measurements
10.1109/TPWRD.2024.3454230	A Novel Graphical Method for Interpretating Dissolved Gases and Fault Diagnosis in Power Transformer Based on Dynamique Axes in Circular Form

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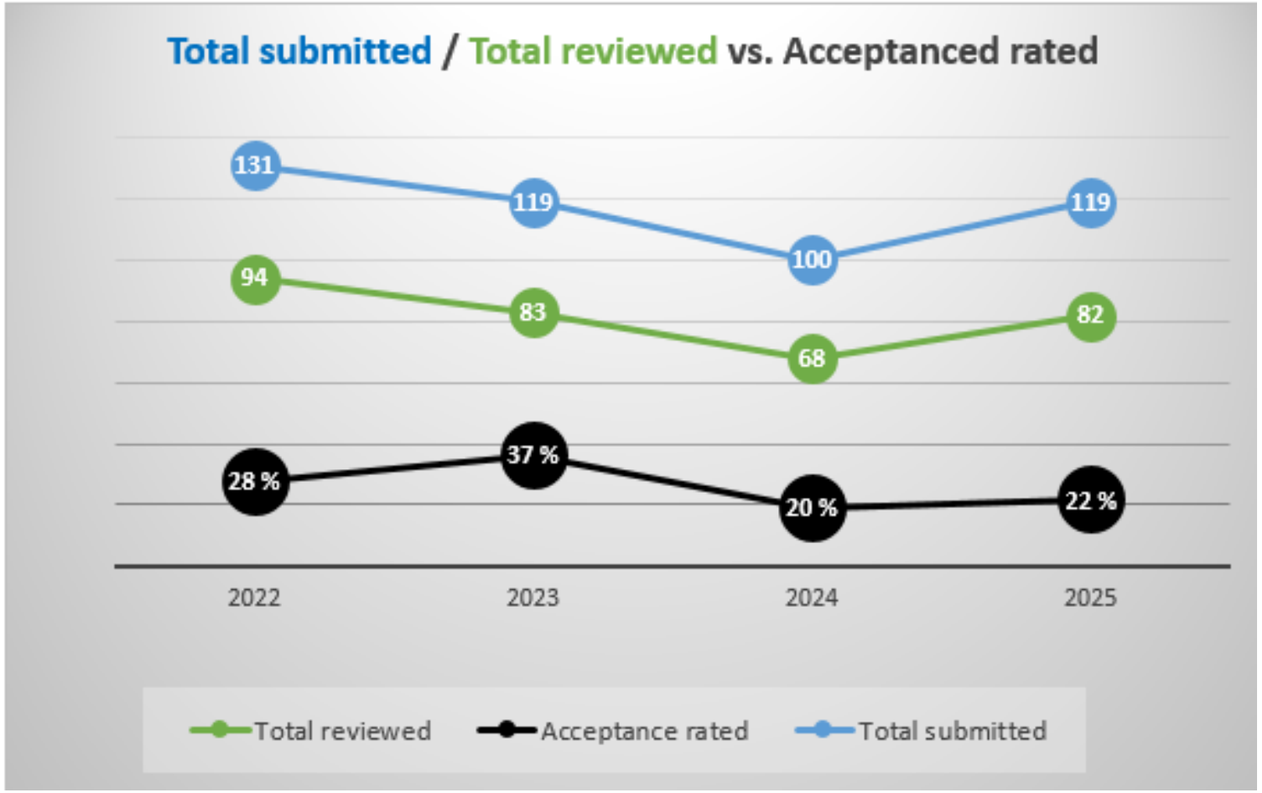
Trends (2022–2025)

The graph shows the evolution of **total submitted** papers to IEEE Transactions on Power Delivery in the transformer area, compared to the number of **reviewed** papers and the **acceptance** rate from Spring 2022 to Spring 2025.



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Author Recommendation and Call for reviewers

It is important for all interested individuals to adhere to the guidelines for writing papers as provided by IEEE. Detailed information can be found at the following link: https://cmte.ieee.org/tpwrd. In particular, the resource "How to Write for Technical Periodicals and Conferences" is highly recommended: https://eps.ieee.org/images/files/mc-ieee_author_guide_interactive.pdf

All individuals involved in IEEE Transformers Committee activities are courage to consider joining as reviewers. Those interested can send an email to xmlopez@ieee.org, specifying their "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