

TLM 2025

18th Transformer-Life-Management Conference



September, 15th-16th 2025
Maritim Hotel
Würzburg Germany

TLM 2025



TLM is an annual conference on the topics of power transformers, reliable operation and optimised maintenance. It provides a platform for the transfer of knowledge and the exchange of best practices to improve the performance of transformers and extend their service life.

The event is aimed at operators of power transformers, engineers, technicians, scientists, manufacturers and service providers from the energy industry. Thanks to the variety of topics and speakers, the TLM offers a comprehensive overview of current trends and developments in the field of power transformers. Participants have the opportunity to expand their knowledge, exchange ideas with experts and make new contacts.

The trade exhibition with around 25 exhibitors offers additional opportunities for discussions. In addition, practice-orientated workshops will be held on both days.

The conference language is German, AI translation to English is available.



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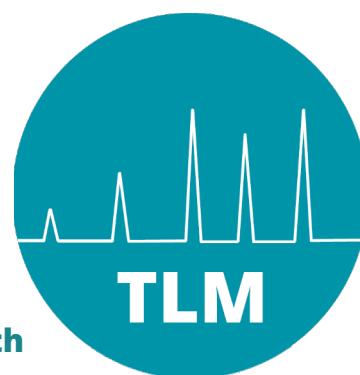


 **KOOPMANN**
ENERGIE- UND ELEKTROTECHNIK

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Join us!

Program



Day 1: Monday, September 15th

10:00 -
11:00

Check-in and Welcome Snack

11:00 -
13:30

Block I - Introduction

Welcome and Introduction

Prof. Dr.-Ing. Peter Werle (Leibniz Universität Hannover, Schering-Institut)

CIGRE and the energy transition

Konstantin Papailiou (Präsident CIGRE)

Grid expansion as a result of the energy transition, taking into account new systems such as electrolyzers or energy storage systems

Michael Lukas (50 Hertz)

Power electronics as a key technology for the power grid of the future

Tobias Asshauer (Infineon)

Changing energy infrastructure - measurement technology and data solutions for a stable grid

Jürgen Göbelhaider (Megger)

Introduction of the Exhibition and Workshops

13:30 -
15:30

Break: Workshops, Postersession, Exhibition

15:30 -
17:00

Block II - Damage Events I

Design and failure analysis of transformers in wind turbines

Dr. Mahdi Rahmbeksch (Enercon)

Fault detection on aged power transformers using case studies

Dr. Sebastian Schreiter (Netz Leipzig), Holger Lohmeyer (Hitachi Energy)

Prevention and damage minimisation for generator transformers

Wolfgang Isgör (Siemens Energy)

17:30

Evening Event

Program



Day 2: Tuesday, September 16th

8:00 -
9:30

Block III - Damage Events II

15 years of experience with power transformers for offshore applications – Lessons Learned

Tobias Stirl (GE)

Well thought out, well done? Damage to power transformers

Guntmar Gunkel (Consultant)

On-site assessment of a 400 kV phase shifter

Susan Klein, Oliver Derigs (Hitachi Energy)

9:30 -
11:00

Break: Workshops, Postersession, Exhibition

11:00 -
13:00

Block IV - Diagnostics, Monitoring and AI

Data-driven asset management in accordance with ISO 55000

Bastian Fischer (MR)

Sustainability in transformer maintenance

Dr. Christoph Möller (Koopmann)

More transparency in the distribution grid - optimum utilisation through intelligent sensor technology

Torsten Legler (HOOTS Sensors)

RM-EY: An AI based Asset Performance Management Software - offline data migration

Amit Kumar (Rugged Monitoring)

13:00 -
14:00

Break: Lunch, Exhibition

14:00 -
15:30

Block V - Liquids

Standards and guid lines; Recent development in Maintenance of in-service insulating liquids

Dr. Behrooz Phalavanpour (Ergon)

Sustainable Transformer Liquids under IEC 60296: Alternative feedstocks and reduced product carbon footprint

Thorsten Wolff (Nynas)

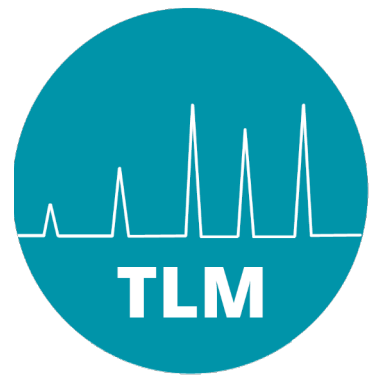
The influence of transformer termination systems on the results of the gas-in-oil analysis

Dr. Ute Sasum (Gatron)

15:30 -
15:45

Closing Session - End of Conference

Workshops



Workshop A:



From Excel to excellent - the TESSA® APM oil analysis platform

Leonhard Link
Maschinenfabrik Reinhausen

Workshop B:



A day in the accredited laboratory - testing and evaluation.

Dr. Ivanka Höhle
Siemens Energy

Workshop C:



Substations in urban areas - solutions for noise reduction using conventional solutions and/or direct current suppression

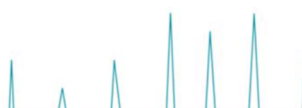
Mirko Kutzer
Hitachi Energy

Workshop D:



Condition assessment of insulation - in the course of time

Lutz Hulker
Megger



Posters

Towards the digital twin of transformer ageing: using SOT and DGA data
Ahmad Vosoughi, Prof. Dr.-Ing. Stefan Kornhuber (Hochschule Zittau/Görlitz)

Potential of Unmanned Aircraft Systems (UAS) in the inspection of power transformers
Prof. Dr.-Ing. Sebastian Azer, Philipp Elfers (Jade Hochschule Wilhelmshaven)

A generic approach for the automated parameterisation of physics-based transformer models in the digital twin using genetic algorithms
Prof. Dr.-Ing. Gerd Valtin (HTW Dresden)

A method to extend the inductance matrix for transient analysis of power transformers using a single winding model
Morteza Eslamian (Hitachi Energy), Martin Meuser, Prof. Dr.-Ing. Ebrahim Rahimpour (Technische Hochschule Würzburg-Schweinfurt)

Utilisation of the thermal overload capacity of distribution transformers in heavily loaded grids
Erik Sommer (Netz Leipzig)

Dynamic thermal behaviour of transformers filled with ester liquid for offshore wind power applications in cold climates
Ali Al-Abadi, Ahmed Gamil (Hitachi Energy), Prof. Dr.-Ing. Ebrahim Rahimpour (Technische Hochschule Würzburg-Schweinfurt)

Small (island) grids with a high proportion of electronic feed-in and loads
Prof. Dr.-Ing. Michael Hartje (Hochschule Bremen)

Cost-efficient online UHF-TE monitoring for power transformers with special sensor technology
Behnam Balali (Leibniz Universität Hannover)

Fast arc detection in power transformers using fibre optic sensors
Aref Sharifi (Leibniz Universität Hannover)

Modified DGA analysis with inclusion of higher-value hydrocarbons - Investigation of the gas formation behaviour of various insulating liquids under electrical transformer faults
Kristin Homeier (Leibniz Universität Hannover)



Registration for Transformer-Life-Management Conference 2025



15.-16. September 2025, Maritim Hotel Würzburg, Pleichertorstraße 5, 97070 Würzburg

Please send to:

E-Mail: info@energy-support.de or Fax: + 49 2131403 9608 or

E-Mail: info@tlm-konferenz.de

Invoice address:

Company	
Contact person	
ZIP Code, City, Country	
E-Mail	
Telephone	

Participant 1:

Surname, Name	
E-Mail	

Participant 2:

Surname, Name	
E-Mail	

Participant 3:

Surname, Name	
E-Mail	

Participation fee € 950,- + VAT per person.

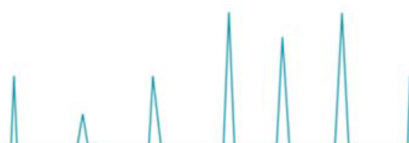
Included in the fee are:

- Conference proceedings
- Welcome snack
- Coffee breaks
- Lunch (both days)
- Dinner and evening program Monday

Invoice must be paid before the conference.

Date, Signature, Stamp:

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