Special Issue

Insulation Challenges in High-Voltage Transformers: Overcoming Barriers

Message from the Guest Editors

This Special Issue aims to attract original research papers and review articles. The scope covers insulation challenges in high-voltage transformers, including experimental, computational (including simulation and modelling), and theoretical studies, such as: **Electrical Insulation** Outdoor, indoor, solid, and liquid insulation;
Nano-dielectrics and new insulation materials;
Condition monitoring and maintenance. **Discharge and Plasma and Pulsed Power** Electrical discharge, plasma generation and applications;
The interactions of plasma with surfaces. **High-Field Effects** Computation and measurements of intensive electromagnetic field;
Electromagnetic compatibility;
Environmental effects and protection. **High-Voltage Engineering** Design problems, testing and measuring techniques;
Equipment development and asset management;
Live line working;
AC/DC power electronics;
UHV power transmission.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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