Special Issue

Dielectric Insulation in Medium- and High-Voltage Power Equipment—Degradation and Failure Mechanism, Diagnostics, and Electrical Parameters Improvement

Message from the Guest Editor

This Special Issue will focus on the detection of degradation and failure mechanism of dielectric insulation in medium- and high-voltage power equipment. Diagnostic investigations will help to eliminate damage to the insulation components of power equipment. This can effectively reduce and even eliminate catastrophic failures and avoid accompanying environmental pollution. The Special Issue will also deal with metering, the use of sensors, and other solutions to continuously monitor the condition of the components of power equipment. Topics of interest for publication include but are not limited to:

- Determination of degradation and failure mechanism of dielectric insulation;
- Diagnostics and monitoring of insulating components of power equipment, including the condition of solid, liquid (oil), and gas insulation;
- Modern diagnostic methods, including the FDS method, PDC method, RVM method, SFRA method, partial discharge measurements, and localization of their places of occurrence, vibroacoustic and acoustic measurements;
- Development and implementation of new diagnostic methods, etc.;
- Improvement of electrical parameters of power equipment.

Guest Editor

Prof. Dr. Tomasz Norbert Kołtunowicz
Department of Electrical Devices and High Voltage Technology, Lublin University of Technology, 38A Nadbystrzycka Street, 20-618 Lublin, Poland

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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