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

Guest Editor:

**Prof. Dr. Tomasz Norbert
Kottunowicz**

Department of Electrical Devices
and High Voltage Technology,
Lublin University of Technology,
38A Nadbystrzycka Street, 20-618
Lublin, Poland

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submissions:

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Message from the Guest Editor

Dear Colleagues,

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.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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