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Advances in High Voltage Engineering

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Deadline for manuscript submissions:

closed (15 February 2023)

Message from the Guest Editors

Dear Colleagues,

Insulation design and safe operation are important for high voltage equipment. There have been many emerging researches on new insulation materials, advanced dielectric measurement, computational high voltage engineering and intelligent fault diagnosis in recent years. Moreover, the application of Internet of things (IoT) and Artificial Intelligence (AI) on high voltage engineering are also interesting topics.

This Special Issue will deal with novel techniques and theories on insulation design and safe operation for high voltage equipment. Topics of interest for publication include, but are not limited to:

- Discharge phenomenon and theory;
- Advanced materials and nanodielectrics;
- Measurement techniques;
- Charge and field mapping;
- Insulation design and optimization;
- Simulation of dielectrics and discharge;
- Numerical computation of structure and equipment;
- Sensing and perception techniques and theories;
- Digital twin in electric equipment;
- Application of IoT and AI on high voltage engineering.



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Special Issue



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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.

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