Special Issue

Power Cables in Energy Systems

Message from the Guest Editors

Power cables play a prominent role in power transmission at the global level, which are also likened to the "arteries" in energy systems. Therefore, various new technologies to improve the reliability of cable systems are particularly important, including but not limited to insulation technologies, design, testing and detection technologies, multiphysics simulation technologies, etc. In this Special Issue, original research articles and reviews are welcome. Research areas may include, but are not limited to, the following:

- Insulation materials for cables and accessories;
- Space charge characteristics;
- Partial discharge and breakdown;
- Environmentally friendly insulation;
- Insulation condition assessment;
- Condition monitoring for cable systems;
- Sensors and signal analysis;
- Lifetime prediction and reliability models;
- Cables used in harsh environment;
- Multiphysics simulation for cables and accessories;
- Novel technologies for submarine cable systems.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2024)

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About the Journal

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

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