

Special Issue

Outdoor Insulation and Gas Insulated Switchgears

Message from the Guest Editors

With the growing world's population and faster developing industries, larger amounts of electric energy are needed. Many ultra/extra AC/DC high voltage transmission projects have been commissioned or are under construction in many countries. Understanding the fundamental aspects on outdoor insulation is, therefore, important for properly designing practical HV transmission lines. The Special Issue will cover theoretical and practical developments with special emphasis on engineering problems in designing and monitoring of AC/DC high voltage transmission lines and solutions to mitigate atmospheric conditions influence. The applications of new materials in the novel design of transmission line hardware and perspectives are also concerned. Topics of interest for special issue include, but are not limited to:

- Lightning phenomena and related applications
- Long air gap discharges
- Switching surges
- Insulation coordination
- Breakdown and pre-breakdown phenomena in gases
- Insulating material efficiency improvement by chemical admixtures
- Gas insulated switchgears (GIS)
- Measurement, monitoring and diagnostic techniques

Guest Editors

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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.

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