

Special Issue

Recent Developments in Theories, Technologies and Applications of HVDC Insulation Systems

Message from the Guest Editors

This Special Issue aims to jointly discuss new theories, new technologies, and new applications of HVDC insulation systems, and promote the development of insulation technology. Topics of interest for publication include (but are not limited to):

- New HVDC insulating materials, including nanocomposite insulating materials, functional molecular-modified insulating materials, graded insulating materials, nonlinear insulating materials, and environmentally friendly insulating materials;
- Charge transport characteristics in HVDC insulating materials;
- Flashover behavior of gas-insulated switchgear and outdoor insulation;
- Aging behavior of HVDC insulating materials;
- Design of new HVDC insulation system and insulation structure;
- The regulation and optimization of the design of the electric field in the HVDC insulation system;
- Monitoring and diagnosis of the insulation status of HVDC power equipment;
- New characterization technology of structure and performance of HVDC insulation.

Guest Editors

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Deadline for manuscript submissions

closed (28 March 2024)



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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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