



energies



an Open Access Journal by MDPI

Design and Management on High Voltage Power Systems and Insulation Materials

Guest Editors:

Prof. Dr. Feng Liu

College of Electrical Engineering and Control Science, Nanjing Tech University, Nanjing 211816, China

Dr. Yani Wang

College of Electrical Engineering, Shanghai University of Electric Power, Shanghai 200090, China

Dr. Xi Zhu

College of Electrical Engineering and Control Science, Nanjing Tech University, Nanjing 211816, China

Deadline for manuscript submissions:

closed (10 September 2023)

Message from the Guest Editors

To satisfy the growing increase in electricity demand, high-voltage power systems with higher performance and better stability are required, which raises challenges including the design of power systems, the control of high-power electronics, the synthesis and preparation of high-performance insulation materials, evaluation of insulation state, dielectric insulation tests, material modification, environment protection, etc. In the past few decades, with the development of power equipment, control methodologies, and advanced power-conversion techniques, the performance of high voltage power systems has been improved. In the meantime, a lot of effort has also been devoted to the development of novel evaluation methods for insulation aging, new processing for material modification and low-carbon-emission treatment by low-temperature plasma, which improves the safety and reliability of the key electrical insulation equipment in power systems. This Special Issue aims to present the most recent advances related to the design, management and modeling of high-voltage power systems and the preparation, modification and testing of insulation materials.



mdpi.com/si/118231

Special Issue



energies



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)