Special Issue

Advanced Control and Monitoring of High Voltage Power Systems

Message from the Guest Editors

The are inviting submissions to a Special Issue of Energies focused on "**Advanced Control and Monitoring of High Voltage Power Systems**".High-voltage power systems form the backbone of modern electrical infrastructure, enabling efficient long-distance transmission and integration of renewable energy sources. As power grids evolve with increasing complexity and decentralization, advanced control strategies and real-time monitoring technologies are critical to ensure grid stability, fault resilience, and operational efficiency. Emerging challenges include the degradation of aging power equipment, insulation failure risks in cables and transformers, and the demand for sustainable grid infrastructure compatible with carbon neutrality goals.

This Special Issue aims to address these challenges by **exploring cutting-edge methodologies in equipment condition assessment, insulation material innovation, and green power technologies, alongside control theory and intelligent monitoring systems**.

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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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