

Special Issue

Optimizing Power Quality in Smart Grid Systems

Message from the Guest Editors

The optimization of power quality in smart grid systems has become a significant area of research and development in recent years. Smart grid systems offer advanced monitoring, control, and communication capabilities that enable the implementation of various techniques to optimize power quality. These techniques aim to detect and mitigate power quality disturbances in real time, ensuring a stable and high-quality power supply. This Special Issue aims to gather research papers and reviews of the strategies, technologies, and challenges associated with optimizing power quality in smart grid systems. It brings together the latest research and practical insights from experts in the field, offering valuable guidance for utilities, researchers, and policymakers. By optimizing power quality, smart grid systems can ensure reliable, efficient, and sustainable power delivery, meeting the evolving needs of the modern electricity grid.

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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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