

Special Issue

Optimization in Smart Grids of Electric Power Systems

Message from the Guest Editors

Smart electric power grids have been the subject of extensive research and applications since the beginning of the last decade, including their integration with renewable electric energy sources. We invite original research papers dealing with optimization issues in smart electric power grids regarding their control, analysis, design, management, reliability, and security, as well as smart grid electric power production, distribution, and conditioning. Papers on load balancing, network topology, and pricing are also appropriate for publication in this Special Issue. The use of modern machine learning techniques (neural networks, support vector machines, reinforcement learning) are particularly welcome. Although many papers and several books have been published on these topics, this field remains challenging for research and implementation, with great potential for numerous applications in future electric networks. Authors are encouraged to consult any of the regarding the suitability of their papers to this Special Issue.

Guest Editors

Prof. Dr. Zoran Gajic

Dr. Zulfiqar Ali Memon

Dr. Ahmed Bilal Awan

Deadline for manuscript submissions

closed (25 March 2024)



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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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