

Special Issue

Planning and Operation of Microgrids

Message from the Guest Editors

It is our pleasure to invite submissions to the Special Issue on “Planning and Operation of Microgrids”. In recent years, microgrids have attracted significant attention due to their ability to sustain the penetration of renewables and supply power locally during emergencies. In order to achieve those benefits, microgrids need to be optimally planned and operated. Specifically, microgrids need to be planned and economically operated during normal operations while maximizing service reliability/resiliency during system contingencies. Planning and operation of microgrids can be realized via mathematical formulations using either centralized or decentralized methods. The recent advancements in AI, especially learning methods, have enabled us to carry out these tasks in a better and more efficient manner. In this Special Issue, we are looking for novel methods, algorithms, and technologies to enhance energy efficiency as well as to handle the aforementioned problems in the planning and/or operation of microgrids. Review and survey articles on the following topics are also encouraged for submission.

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2022)



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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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