Special Issue

Microgrids: Operation, Control and Applications

Message from the Guest Editors

Microgrid is gaining greater acceptance due to its scope and ability to integrate various distributed energy resources (DER) such as solar PV, wind, storage, EV, H2FC, and waste to energy (W2E) that can work independently to support local loads. Moreover, the application of microgrid is versatile and it supports meeting the United Nations Sustainable Development Goals (SDG) for energy access and emission reduction. However, the implementation is challenging due to the nature and characteristics of each DERs, therefore the appropriate design is highly desirable for the reliable, sustainable, and feasible operation of a microgrid. Therefore, the main objective of this special issue is to highlight the recent challenges, development, and advancement in the growth of the modern power system. This will attract researchers to contribute to addressing the challenges and making energy accessible for all and making it reliable, affordable, and sustainable. This Special Issue will accept original and review research articles.

Guest Editors

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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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