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Novel Developments in Distribution Systems and Microgrids—2nd Edition

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Message from the Guest Editors

Distributed power generation has many characteristics, such as being clean, green, sustainable, and flexible, and has become one of the most important methods of new energy power generation; however, the integration of high-density distributed generation into the grid brings challenges to optimal configuration, operation, control, and scheduling decisions of the power system. Distribution systems and microgrid techniques can effectively improve the controllability and flexibility of high-density distributed power-grid-connected operations, as well as improve power quality and power supply stability. Therefore, the development of microgrid and distribution system techniques has become a hot research direction in the energy field.

This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, application, control, and condition monitoring of microgrid and distribution system techniques.



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Special Issue



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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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