

Special Issue

Smart Grids and Renewables

Message from the Guest Editors

As small green generators, electric vehicles, prosumers, and other adjustable resources are booming on the energy consumption side, the original deterministic distribution network is gradually being transformed into a complex system with high uncertainty. This Special Issue is dedicated to improving the internal vitality and efficiency of the adjustable resource cluster on the energy-consumption side and increasing the value of organizational collaboration. In the future, the collective effect of the division of labor is expected to stabilize the random fluctuations in power consumption on the consumer side, and to absorb the power supply resources on the distribution network side nearby. Moreover, the Special Issue aims to contribute to the development of the energy Internet strategy, which will carry out research on promoting reasonable allocation of energy storage capacity and small, encouraging microresources to participate in power auxiliary services and supporting the in-depth development of the power market reform.

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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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