Special Issue

Challenges and Research Trend of Distributed Energy Systems (DES) and Renewable Energy

Message from the Guest Editors

The aims and scope of the special Issue: Massive population growth and economic growth have pushed global energy consumption to unprecedented levels within the last century. In order to reduce these costs, advances in smart metering technology and energy storage systems have led to a decentralized approach to energy management referred to as distributed energy systems (DES). Energy landscapes are changing from a traditional centralized model for power generation and delivery to a diverse, dynamic, and complex system with multiple actors and multilayered energy sources due to renewable energy sources, smart metering technologies, and regulations that reduce energy consumption. Renewable Energy - Solar PV panels, microturbines, wind turbines, biogas generators, fuel cells can provide energy sources for a distributed energy system. The community and the future generation must also be educated and explained about insufficient technological developments.

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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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