

Special Issue

Research on the Optimization of Demand Response in Electric Power Systems

Message from the Guest Editor

Power systems with renewable energy sources (RESs) in electric power systems are anticipated to experience substantial growth due to the emerging market. The uncertainty and variability in the production of power via RESs, along with their expanding technology options (photovoltaic panels, plug-in electric vehicles, storage, etc.), propel the need for a higher level of power system flexibility that involves demand-side management. This Special Issue focuses on the optimizations that have been achieved in demand response applications. Potential topics include, but are not limited to, the following:

- Optimizations used in demand response
- Ai-based applications in demand response
- Demand response for the energy market
- Demand response for ancillary services
- TSO/DSO applications with effective demand response

Guest Editor

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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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