Special Issue

Advancement and Optimization of Demand Response in Smart Grids

Message from the Guest Editors

The evolving energy systems of today require approaches to tackling the increasing number of challenges related to sustainability, efficiency and reliability. This collection will explore cutting-edge research and advances in the field, with the specific aim of enhancing the effectiveness of demand response mechanisms within grids. We invite scholars, researchers and practitioners to contribute their insights and findings to this Special Issue. Submissions may cover a range of topics, including but not limited to:

- Algorithms for demand response optimization techniques;
- Integration of renewable energy sources;
- Application of artificial intelligence in improving demand response functionalities;
- Social policy aspects related to implementing demand response.

This Special Issue aims to foster an understanding of how these strategies contribute towards building sustainable smart grids. We eagerly anticipate receiving high-quality submissions that will enrich the discussion surrounding the evolution of demand response in grid technology.

Guest Editors

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Deadline for manuscript submissions

closed (22 July 2024)

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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.

Editor-in-Chief

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