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Optimal Scheduling of Flexible Resources in Modern Energy Markets

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Message from the Guest Editors

Dear Colleagues,

In order to coordinate flexible resources, a proper market can be established such that the resources' owners/operators are incentivized to participate and share their asset flexibility with the network operator.

Within modern markets, where flexibility/energy is coordinated among providers, the design varies from centralized to decentralized operation, and the clearing algorithm can also differ, e.g., varying from zonal pricing to nodal pricing. Hence, the optimization method that is applied to various market designs for providing an efficient market will also differ.

This Special Issue invites the submission of high-quality research papers presenting novel ideas covering a wide range of topics in association with the optimal scheduling of flexible resources in the energy market, including local flexibility market, distributed energy resources, peer-to-peer trading, distributed optimization, decentralized optimization, congestion management, optimal power flow, demand response, and stochasticity.

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Guest Editors



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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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