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Optimal Scheduling of Flexible Resources in Modern Energy Markets

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Deadline for manuscript submissions:
closed (30 September 2022)

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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Message from the Editor-in-Chief

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