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Smart Energy Systems: Control and Optimization

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Message from the Guest Editors

This Special Issue focuses on emerging areas of energy systems for the purposes of control and optimization, with emphasis, among others, on the integration of renewable energy sources, management of distributed energy resources, smart energy system analyses, smart energy infrastructures, storage technologies, electric vehicles, demand response, smart grids, and energy forecasting. In this Issue, new theoretical and/or practical research results using all types of control and optimization techniques applied to smart energy systems are welcome. The use of state-of-the-art technologies such as machine learning, deep learning, reinforcement learning is also encouraged.

Keywords:

- Smart energy systems
- Smart grid
- Renewable energy systems
- Energy system modeling
- Building energy system optimization
- Distributed optimization
- Multi-agent control
- Energy management
- Demand response
- Distributed control strategies
- Distributed optimization theory
- Artificial intelligence control and optimization
- Energy forecasting

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Special Issue



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Message from the Editor-in-Chief

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