Special Issue

Smart Energy Systems: Control and Optimization

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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About the Journal

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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