Optimization and Control in Energy Management: Mathematical Modeling and Simulation

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Deadline for manuscript submissions:
closed (30 November 2023)

Message from the Guest Editors

We are pleased to invite the research community to submit a review or regular research papers on, but not limited to, the following relevant topics related to optimization and control in energy management:

- Demand side management and demand response
- Artificial intelligence optimization methods for renewable energy systems and energy management
- Frequency regulation using Virtual power plants
- Modeling and simulation for energy management
- EMS in smart electrical grids
- Algorithms
- Numerical simulations
- Mathematical modeling
- Analytical understanding
- Control Theory
- Energy-efficient systems
- Energy conservation techniques
- EMS in Mini and Micro-Grids
- Load and renewable energy generation prediction techniques
- Energy management for Smart cities and homes
- Energy management for improving power quality
- Optimization techniques and methods in energy management systems
- control methods and strategies in energy management systems

Special Issue

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Message from the Editor-in-Chief

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