

Special Issue

Optimal Design, Control and Simulation of Energy Management Systems

Message from the Guest Editors

Energy management systems (EMSs) have become critical in modern power grids and industrial applications due to the increasing complexity of energy production, distribution, and consumption. As the world shifts toward sustainable energy solutions, the optimal design, control, and simulation of EMSs are paramount to ensuring efficiency, stability, and flexibility in managing diverse energy resources.

This Special Issue entitled “Optimal Design, Control and Simulation of Energy Management Systems” seeks to showcase cutting-edge research focused on the development and improvement of EMSs. The aim is to bring together the latest advances in the design, control algorithms, and simulation techniques that optimize energy use across various sectors, such as power grids, renewable energy integration, smart buildings, and industrial processes.

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Editor-in-Chief

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