

Special Issue

Intelligent Control for Sustainable Energy Management Systems

Message from the Guest Editors

This Special Issue aims to explore innovative approaches to intelligent control for the sustainable management of energy. It welcomes research papers that address challenges related to the integration of renewable energy, demand-side management, decentralized energy systems, and energy storage solutions. The objective of this Special Issue is to provide new insights and practical solutions for creating smarter, greener, and more resilient energy systems. In this Special Issue, original research articles and reviews are welcome. The scope of this Special Issue includes, but is not limited to, the following topics:

- Advanced algorithms for intelligent energy management systems;
- Integration of renewable energy sources using intelligent control;
- Machine learning and AI in sustainable energy optimization;
- Real-time energy demand forecasting and load balancing;
- Intelligent control for distributed energy resources and microgrids;
- Energy storage optimization and management in smart grids;
- Demand-side management and peak load reduction through intelligent systems.

We look forward to receiving your contributions.

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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