

Special Issue

Resilient and Intelligent Control and Optimization of Sustainable Energy Systems

Message from the Guest Editors

With the development of the Energy Internet, an interconnected, intelligent, and efficient energy ecosystem is constructed to achieve better coordination and optimization of energy production, transmission, distribution, and consumption by deeply integrating sustainable energy systems with information and communication technologies. This Special Issue aims to provide a forum for all scholars to present their discoveries on technological developments in sustainable energy. Research areas may include (but are not limited to) the following:

- Modeling and analysis of sustainable energy delivery system;
- Intelligent load optimization and control of wind farms;
- Cyber resilience techniques for sustainable energy system;
- Intelligent fault detection and diagnosis of sustainable energy system;
- Cyberattack and adversarial attack on sustainable energy system;
- Machine learning-based control of the sustainable energy system;
- Distributed energy resource grid integration and control technology;
- Resilient frequency support control strategy for power system with high-level sustainable energy;
- Robust power prediction of sustainable energy generation system.

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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