

Special Issue

Microgrids: Control, Analysis, and Applications for Sustainable Energy System

Message from the Guest Editors

This Special Issue centers on the pivotal role of microgrids in advancing sustainable energy systems, emphasizing innovative control strategies, rigorous analytical frameworks, and diverse application scenarios. It encompasses a wide range of topics, including, but not limited to, advanced control algorithms for microgrid stability, optimization techniques for energy management, cyber-physical security challenges, and integration with renewable energy sources. The issue also explores economic and policy implications, as well as real-world case studies, highlighting microgrids' potential in enhancing energy resilience and reducing carbon footprints. By consolidating cutting-edge research, this issue aims to provide a comprehensive resource for academics, practitioners, and policymakers. It seeks to foster interdisciplinary dialogue, identify research gaps, and guide future developments towards more sustainable, reliable, and efficient energy systems.

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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.

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