

Special Issue

Microgrid and Energy System Management

Message from the Guest Editors

Microgrids (MGs) are considered the best natural platform to host low-and medium-scale distributed generators (DG), modern loads driven by power electronics, and energy storage systems. The purpose of this Special Issue is to report on the most recent advances and future trends in key techniques related to power management issues in microgrids. Among the topics of interest are the following:

- Microgrid modelling and analysis for power management issues;
- Approaches to microgrid control design in both islanded and grid-connected modes of operation;
- Intelligent microgrid power management control;
- Microgrid optimisation: efficiency, economic factors, and so on;
- Multi-objective power management strategy of microgrids;
- Power management issues in microgrid applications: emerging trends;
- Problems with microgrid stability;
- Centralised, decentralised, and distributed controllers for microgrids;
- Power management enhancement in microgrids using hybrid energy storage systems.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2022)



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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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