



Microgrid and Energy System Management

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Deadline for manuscript submissions:

closed (20 December 2022)

Message from the Guest Editors

Dear Colleagues,

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.

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