

Special Issue

Planning, Operation and Control of Microgrids: 2nd Edition

Message from the Guest Editor

This Special Issue aims to present recent developments in the fields of planning, operation, and control of microgrids and their applications. These topics include, but are not limited to:

- Microgrid optimization, planning, and control;
- Modeling, analysis, and control of DC and AC microgrids based on renewable energy sources;
- Analysis and operation of grid-connected, isolated, and hybrid microgrids;
- Modeling and control of low-power and high-power converters for microgrids and smart grid applications;
- Integration of microgrids into the electric power system;
- Integration of electric vehicles in microgrids;
- Design of control and management strategies for microgrids and smart grids;
- Integration of energy storage systems based on batteries, supercapacitors, and superconducting coils in microgrids;
- Optimization algorithms for energy management and intelligent control of microgrids;
- Ancillary services of microgrids;
- Diagnostics, maintenance, reliability, vulnerability, and self-healing of microgrids.

Guest Editor

Prof. Dr. Federico Martin Serra

Laboratory of Automatic Control (LCA), Faculty of Engineering and Agricultural Sciences, National University of San Luis—CONICET, Villa Mercedes, San Luis 5730, Argentina

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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