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Microgrids and Its Application to Integrated Energy Systems and Isolated Active Distribution Networks, 2nd Edition

Guest Editors:

Prof. Dr. Ionel Vechiu

ESTIA Institute of Technology,
University of Bordeaux, 64210
Bidart, France

Dr. Ignacio Hernando-Gil

Department of Electrical
Engineering, ESTIA Institute of
Technology, 64210 Bidart, France

Dr. Chenghong Gu

Centre for Sustainable Power
Distribution, Department of
Electronic and Electrical
Engineering, University of Bath,
Bath BA2 7AY, UK

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Message from the Guest Editors

Join us in shaping the future of active distribution networks! Our Special Issue focuses on the dynamic interplay of distributed generators, microgrids, and renewable-based energy resources. Explore the potential of these networks to enhance grid resilience and reliability while embracing sustainability.

Scope & Objectives: We invite high-quality research on microgrid optimization under uncertainty, emphasizing scalable computational solutions. From long-term planning to real-time operation, delve into managing energy systems amidst diverse renewable technologies. Share innovative analytical approaches and simulation techniques for optimal microgrid control, dispatch, and ancillary service provision.

Key Topics Include:

- Probabilistic methods for microgrid EMS
- Innovative control solutions for building microgrids
- Integration of electric mobility in isolated microgrids and port energy systems
- Predictive maintenance & fault detection in hybrid microgrids



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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