

## Special Issue

# Advanced Control and Management Techniques for Power Converters in Microgrids: 2nd Edition

### Message from the Guest Editor

In this Special Issue, we invite novel high-quality research paper submissions covering a wide range of topics related to provide advanced control and management techniques for power converters in microgrids. Topics of interest for publication include, but are not limited to, the following:

- DC microgrids;
- Hybrid microgrids (DC and AC microgrids);
- Switched systems;
- Current sharing;
- Voltage regulation;
- Uncertain systems;
- Advanced and robust control of converters;
- Sliding mode control of converters;
- High-gain control of converters;
- Distributed control;
- Supervisory control;
- Model predictive control;
- Consensus control;
- Fuzzy control.

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### Guest Editor

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### Deadline for manuscript submissions

27 January 2026



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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.

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### Editor-in-Chief

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