

## Special Issue

# Advanced Control, Optimization, Stability and Reliability of Microgrids and Power Systems

### Message from the Guest Editor

This Special Issue invites submissions that investigate advanced control strategies, emphasizing the need for efficient and adaptable control systems in microgrids. The topics of interest include, but are not limited to, the following:

- Advanced control of AC and DC microgrids;
- Grid interaction studies for all types of microgrids;
- Optimization techniques to enhance the performance of microgrids and power systems;
- Energy efficiency, cost-effectiveness, and environmental impact of microgrids and power systems;
- Stability of microgrids and power systems under significant penetration;
- Reliability studies in relation to microgrids and power systems;
- Methods to enhance the stability of microgrids;
- Strategies to ensure the reliable operation of microgrids and power systems, even under adverse conditions or cyber threats.

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### Guest Editor

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### Deadline for manuscript submissions

25 August 2025



## Energies

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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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