

Special Issue

Optimization of Distributed Generation in Power System

Message from the Guest Editor

This Special Issue focuses on the optimal control of distributed generators in multiple scenarios, summarizes cutting-edge theories and key technologies, and explores grid regulation strategies adaptable to new loads and high-penetration renewable energy. Topics of interest for publication include, but are not limited to, the following:

- Source-load optimal dispatching;
- Low-inertia stability control;
- Charging pile power quality governance;
- Voltage and reactive power optimization;
- Microgrid mode switching control;
- Power grid harmonic suppression;
- Distribution network overload prevention;
- DG coordinated intelligent regulation;
- Grid security risk prevention;
- AI-based DG dynamic control.

Guest Editor

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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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