

Special Issue

New Challenges in Power Flow Optimization for Integrated Power Systems

Message from the Guest Editor

This Special Issue explores recent research and groundbreaking technologies related to power flow optimization in integrated power systems. It provides a platform to discuss practical, implementable solutions for enhancing power grid stability and efficiency.

Furthermore, it offers a platform to share actionable ideas and successful applications that can benefit academia and industry. Keywords:

- power flow modeling and optimization
- integration of renewable and distributed energy resources
- simulation of smart grids and microgrids
- real-time power flow control and management
- optimization through energy storage system integration
- enhancing power grid stability and efficiency
- design of hybrid energy systems
- AI- and machine learning-based power flow optimization
- innovative protection and control strategies

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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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