

## Special Issue

# Modeling, Simulation and Optimization of Power System

### Message from the Guest Editors

Power systems are complex and interconnected networks that facilitate the generation, transmission, and distribution of electrical energy. Modeling, simulation, and optimization are crucial tools for understanding and managing the complex behavior of power systems, as well as for designing more efficient and reliable power systems. This Special Issue seeks to bring together researchers and practitioners from academia to present the latest advances in the modeling, simulation, and optimization of power systems. We invite original research papers, review articles, and case studies on topics that include, but are not limited to:

- Power system modeling and simulation techniques.
- Optimization methods for power system planning and operation.
- Energy management systems and smart grid technologies.
- Power system stability and control.
- Power system protection and reliability.
- Power electronics and renewable energy integration.
- Power system dynamics and transient analysis.
- Demand response and energy storage systems.
- Cybersecurity in power systems.
- Economic analysis of power system planning and operation.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 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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