

## Special Issue

# Modern Smart Grid Technologies for Power Grids and Electric Energy Power Networks

### Message from the Guest Editors

This Special Issue is devoted to publishing new papers exploring innovative applications and advancements in smart grid technologies specifically tailored to modern smart grid technologies for electric energy power networks. It encompasses a diverse range of topics, including the following:

- Resilient smart grid architectures with flexible energy resources;
- Flexibility forecasting in future smart grids;
- Applications of artificial intelligence and machine learning in smart grids;
- Optimized operation of smart energy systems;
- Load forecasting and scheduling smart energy management systems for the grid;
- Power systems' reliability and stability;
- Demand response and flexible loads with grid integration;
- Smart grid design focusing on resilience and disruptive events;
- Improved reliability and resilience;
- Application of the smart grid concept to distribution or transmission systems.

### Guest Editors

Dr. Muhammad Majid Hussain

School of Engineering & Physical Sciences, Heriot-Watt University, Edinburgh, UK

Dr. Abdul Razaq

School of Design and Informatics, Abertay University, Dundee, UK

### Deadline for manuscript submissions

15 October 2025



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*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

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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

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

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