

## Special Issue

# Advances and Optimization of Electric Energy Systems—3rd Edition

### Message from the Guest Editors

With the rise in renewable energy, electric energy systems are evolving. Distributed power sources, electric vehicles, distributed energy storage, and flexible loads are gaining importance, increasingly affecting electric energy systems via source–load interactions, and making them more complex. It is necessary to fully investigate the advances in electric energy systems and design more feasible, efficient, and robust optimization strategies.

Topics relevant to this Special Issue of *Energies*, entitled 'Advances and Optimization of Electric Energy Systems—3rd Edition', include (but are not limited to) the following:

- modeling and optimization of electric energy systems;
- modeling and management of flexible loads;
- scheduling of high renewable penetrated electric power systems;
- load forecasting of electric energy systems;
- electricity market design for source–load interactions;
- coordinated operations of integrated energy systems;
- vehicle-to-grid (V2G) optimization and control technologies;
- optimization and control of energy storage systems;
- review of advances in electric energy systems.

### Guest Editors

Dr. Yuqing Bao

Dr. Zhenya Ji

Dr. Zhenyu Lv

### Deadline for manuscript submissions

25 January 2027



## Energies

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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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