



*energies*



an Open Access Journal by MDPI

## Power System Simulation, Control and Optimization

Guest Editors:

**Prof. Dr. José Antonio Domínguez-Navarro**

Department of Electrical Engineering, University of Zaragoza, Calle María de Luna 3, 50018 Zaragoza, Spain

**Prof. Dr. José María Yusta-Loyo**

Department of Electrical Engineering, University of Zaragoza, Calle María de Luna 3, 50018 Zaragoza, Spain

Deadline for manuscript submissions:

**closed (30 September 2020)**

### Message from the Guest Editors

The analysis, operation and control of power systems are increasingly complex tasks that require advanced simulation models to analyze and control the effects of transformations concerning electricity grids today: massive integration of renewable energies, progressive implementation of electric vehicles, development of intelligent networks, and progressive evolution of the applications of artificial intelligence.

This Special Issue aims to group all the alternative paradigms that are being developed to go beyond the current simulation and control programs. These include, in particular but not exclusively:

- Multi-agent systems;
- Parallel programming;
- Heuristic techniques;
- Optimization algorithms;
- Neural networks and Deep learning;
- Fuzzy systems.



[mdpi.com/si/36102](https://mdpi.com/si/36102)

**Special Issue**



# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Control and Optimization)

## Contact Us

---

*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://twitter.com/energies_mdpi)