



*energies*

an Open Access Journal by MDPI



## Rethinking the Distribution Power Network Planning and Operation for a Sustainable Smart Grid and Smooth Interaction with Electrified Transportation

Guest Editors:

**Prof. Dr. João Soares**

**Dr. Bruno Canizes**

**Prof. Dr. Zita Vale**

Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

Topics of interest for publication include but are not limited to the following:

- Planning of smart grid considering uncertainty factors and/or multistage investments (e.g., renewable generation and electric vehicles growth in the mid-long term);
- Proposal for lowering grid operation cost and increasing the sustainability of smart grids (e.g., methods dealing with big data or smart metering to retrieve valuable information for grid operation);
- Renewable energy, demand-response, smart distribution grids;
- Energy management system in smart distribution grids;
- Advanced flexibility strategies for smart distribution grids;
- Electric vehicles planning and operation in smart grid (including behavior models for simulation and optimization of EVs in the grid).



[mdpi.com/si/33982](https://mdpi.com/si/33982)

# Special Issue



# energies



an Open Access Journal by MDPI

## Editor-in-Chief

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

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 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 (*Engineering (miscellaneous)*)

## Contact Us

---

*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
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://x.com/energies_mdpi)