



## 5G Enabled Energy Innovation

Guest Editor:

**Dr. Michael Alexandros  
Kourtis**

National Centre for Scientific  
Research "DEMOKRITOS"  
(NCSR), Institute of Informatics  
and Telecommunications, 153 10  
Athens, Greece

Deadline for manuscript  
submissions:  
**closed (28 May 2021)**

### Message from the Guest Editor

The advent of 5G network communications, coupled with the proliferation of Cloud and IoT technologies, has created an urgent need to enhance cutting-edge wireless technology.

5G will play an important role not only in the wireless communication innovation, but also in the design and realization of an end-to-end chain of operations for heterogeneous and demanding environments. Innovation in the field of Energy should be based on the pillars of 5G technology, namely multi-connectivity, robustness, reliability, and adaptability. By harnessing next-generation networks we can design and build the infrastructure needed to understand and discover new scientific milestones in the field of Energy.

- 5G
- IoT
- AI
- DL
- Network Slicing
- Edge





# 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 (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)