



*energies*



an Open Access Journal by MDPI

## Energy-Efficient AI-Empowered Communication Networks

Guest Editors:

**Prof. Dr. Sangheon Park**

School of Electrical Engineering,  
Korea University, Seoul 02841,  
Republic of Korea

**Prof. Dr. Haneul Ko**

Department of Computer  
Convergence Software, Korea  
University, Sejong, Korea

Deadline for manuscript  
submissions:

**closed (30 August 2021)**

### Message from the Guest Editors

The goal of this Special Issue is to disseminate knowledge regarding recent AI technologies, jointly considering performance and energy efficiency. Review and survey papers on these topics are also welcome.

Potential topics include, but are not limited to, the following:

- Architecture and infrastructure for energy-efficient artificial intelligence in communication networks;
- Energy-efficient AI-based network access control system in communication networks;
- Energy-efficient AI-based rate control system in communication networks;
- Energy-efficient AI-based caching system in communication networks;
- Energy-efficient AI-based offloading system in communication networks;
- Energy-efficient AI-based security system in communication networks;
- Energy-efficient AI-based resource management system in communication networks;
- Testbed/prototype for energy-efficient AI for communication networks;
- Network theory for energy-efficient AI in communication



[mdpi.com/si/48971](https://mdpi.com/si/48971)

**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 Compindex, 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)