

## Special Issue

# Low-Latency Wireless Communication and Networks for Mission-Critical Applications

### Message from the Guest Editors

The wireless networks or core networks for mission critical applications should take into account processing/computing delay, reliability, topology, packet size, power consumption, energy efficiency and so on. With this challenging study, mission-critical wireless networks are destined for evolution to next-generation networks so that they can be scalable, energy-efficient, and robust. We expect the papers of this Special Issue to serve as valuable references. The scope of this Special Issue includes, but is not limited to:

- Low-power sensor systems and IoT networks with low latencies realizing the tactile Internet;
- Signal processing for low-latency and high-reliability communication;
- Mission-critical applications and protocols using optical wireless communication;
- Energy-efficient system and network design for mission-critical applications;
- Multiple access schemes considering energy consumption and delay constraints;
- Impact of network densification in massive connectivity;
- Designs based on mobile edge computing and network slicing;
- Network optimization using machine learning and game theoretic approaches.

---

### Guest Editors

Prof. Dr. Hyung Seok Kim

Department of Information and Communication Engineering, Sejong University, 05006 209, Neungdong-ro, Gwangjin-gu, Seoul, Korea

Prof. Dr. Muhammad Tabish Niaz

Smart Device Engineering, School of Intelligent Mechatronics, Sejong University, Seoul, Korea

---

### Deadline for manuscript submissions

closed (31 August 2019)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/23015](https://mdpi.com/si/23015)

*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)



## 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.

---

### Editor-in-Chief

Prof. Dr. Enrico Sciubba

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

---

### 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)