

## Special Issue

# Recent Advances and Emerging Applications of Internet of Things in Industrial 4.0 Era

### Message from the Guest Editors

At the brink of its first decade of existence, the Internet of Things has penetrated virtually all sectors of our lives and revealed itself as much more than merely a technology. Therefore, its ubiquitous presence requires equally broad analyses that span from vertical domains affecting our daily lives, such as smart cities or homes, to technological aspects related to multiple IoT systems and networks—whilst also being mindful of the threats it brings along and cybersecurity measures to counteract them. The topics of interest in this Special Issue include, but are not limited to, the following:

- IoT devices and applications;
- From smart cities to smart future with IoT systems;
- The role of IoT in promoting a green world;
- Security and privacy protection in IoT networks and systems;
- Traffic modeling in the IoT;
- IoT networks and systems auditing;
- Electromagnetic compatibility issues with IoT systems;
- Advances in medium access control techniques for IoT systems;
- Advances in routing techniques for IoT systems;
- IoT in terms of capability, adaptability, and usability.

[https://www.mdpi.com/journal/electronics/special\\_issues/8UHFOQHFIS](https://www.mdpi.com/journal/electronics/special_issues/8UHFOQHFIS)

### Guest Editors

Prof. Dr. Kamil Staniec

Prof. Dr. Dariusz Król

Prof. Dr. Nikola Kasabov

Prof. Dr. Tzung-Pei Hong

Dr. Michail J. Belatis

### Deadline for manuscript submissions

closed (15 August 2024)



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/130506](https://www.mdpi.com/si/130506)

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

[mdpi.com/journal/  
electronics](https://www.mdpi.com/journal/electronics)





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



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



## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

---

### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

---

### Author Benefits

#### High Visibility:

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

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).