

## Special Issue

# The Future of Unmanned Aerial Vehicles (UAV) and IoT Technologies: Challenges, and Innovations

### Message from the Guest Editors

We invite you to contribute original research or review articles to this Special Issue, which explores the evolving landscape of Unmanned Aerial Vehicles (UAVs) and Internet of Things (IoT) technologies. This issue aims to highlight recent innovations, emerging applications, and the open challenges within each field, as well as their growing convergence. UAVs have become highly adaptable platforms across diverse domains such as aerial surveillance, remote sensing, disaster response, precision agriculture, and wireless communications. We welcome submissions focused on advancements in autonomous navigation, swarm coordination, onboard edge computing, flight path optimisation, and the integration of UAVs with terrestrial and satellite networks. IoT technologies continue to transform how systems sense, communicate, and interact with the physical environment. Topics of interest include sensor networks, low-power communication protocols (e.g., LoRa, NB-IoT, 6LoWPAN), energy-efficient data processing, distributed intelligence, and interoperability across large-scale IoT infrastructures.

---

### Guest Editors

Prof. Dr. Piotr Zwierzykowski  
Dr. Maciej Piechowiak  
Prof. Dr. Erich Leitgeb

---

### Deadline for manuscript submissions

15 July 2026



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/242218](https://mdpi.com/si/242218)

*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://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).