

## Special Issue

# Intelligent UAV Based Data Collection Networks

### Message from the Guest Editors

In recent years, UAV technology has developed rapidly and has been widely used in various industries. The combination of UAV and wireless sensor networks can effectively enhance the communication ability, perception ability, age of information (AoI) and energy efficiency of the network. At present, there are several studies on UAV data collection, but they are not comprehensive enough. In fact, the application of intelligent UAV-assisted data collection is varied. The data collection network based on intelligent UAV is studied to supplement the blanks and deficiencies of current related research, improve the efficiency of data collection in the Internet of Things, and help 6G to realize the vision of establishing an air-space-ground-sea integrated network.

- UAV
- data collection
- intelligent algorithm
- wireless sensor networks
- IoT network

---

### Guest Editors

Prof. Dr. Shu Fu

Dr. Yueyue Dai

Dr. Lingxiang Li

---

### Deadline for manuscript submissions

closed (15 August 2023)



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/149127](https://mdpi.com/si/149127)

*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 guest-edited 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 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).