

## Special Issue

# RF/Microwave Antenna, Circuit, and System Design for UAV Applications

### Message from the Guest Editor

Recently, unmanned aerial vehicle (UAV) applications have been gradually expanding from military use to commercial service due to remote control and autonomous flight. UAVs have lots of potential for our real life because it can conduct remote sensing and monitoring, communications relay, weather observation, disaster relief, and so on. In order to perform intelligent missions, it is essential that UAVs communicate with a ground base station, satellite or another vehicle. Due to the characteristics of the operating environment in UAVs, RF/Microwave antenna and system technologies with a compact size, light weight, aerodynamic structure, and wide-beam coverage are required. In this special issue, we invite researchers to submit their original research or review articles that are concerned with recent advances in antennas, circuits, and systems for UAV applications. Potential topics include, but are not limited to:

- Anti-drone Microwave Technologies
- RF/Microwave antenna and system design for UAVs
- Wireless power and data transfer of UAVs
- UAV tracking antennas
- UAV antennas
- UAV applications

### Guest Editor

Prof. Dr. Wang-Sang Lee

Antenna & RF/Microwave System Lab., Department of Electronic Engineering Gyeongsang National University (GNU), Jinju 660-701, Republic of Korea

### Deadline for manuscript submissions

closed (31 January 2021)



## Electronics

an Open Access Journal  
by MDPI

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/35357](https://mdpi.com/si/35357)

*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 16.8 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).