

Special Issue

Modelling, Control and Emerging Application for Unmanned Vehicles

Message from the Guest Editors

Unmanned vehicles are critical in many fields, further attention should be paid to research identifying the requirements of unmanned vehicles, and the technologies necessary for the delivery of those requirements. The aim of this Special Issue is to bring together relevant research and researchers to address these important issues. This Special Issue seeks to consolidate past research and chart future research directions. The topics of interests include, but are not limited to:

- Applications and requirements for unmanned vehicles;
- Receiver/sensor/antenna design technologies;
- Unmanned-vehicle-assisted 5G/6G-and-beyond communications;
- Multisource cooperative positioning methods in complex environments;
- Measurements/observables processing models (including error mitigation);
- System/sensor/spatial data integration or data fusion, and applications, with a particular focus on very high performance as measured in terms of the required navigation performance parameters of accuracy, integrity, continuity, and availability;
- Errors and their modelling;
- Interference (jamming, meaconing, and spoofing) and integrity/quality monitoring;
- Path planning and optimizing strategies.

Guest Editors

Dr. Rui Sun

Dr. Fei Xie

Dr. Manzoor Ahmed Khan

Deadline for manuscript submissions

closed (28 February 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/130074

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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).