



Modelling, Control and Emerging Application for Unmanned Vehicles

Guest Editors:

Dr. Rui Sun

Dr. Fei Xie

Dr. Manzoor Ahmed Khan

Deadline for manuscript
submissions:

closed (28 February 2023)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Flavio Canavero

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](https://x.com/electronicsMDPI)