



Intelligent Unmanned Vehicles for Image Capturing and Sensing

Guest Editors:

Dr. Quoc-Tuan Vien

Faculty of Science and
Technology, Middlesex
University, London NW4 4BT, UK

Dr. Tuan Thanh Nguyen

Faculty of Engineering and
Sciences, University of
Greenwich, London SE10 9LS, UK

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

In this SI, original research articles and reviews are welcome. Research areas may include but are not limited to the following:

- Channel modeling and communication protocols of IUVs (UAVs/UGVs);
- Energy consumption modeling of IUV sensing devices;
- Resource allocation for IUV communications;
- Security of IUV communications;
- Analytical frameworks of IUV communications;
- Machine learning for IUV communications and sensing;
- On-board data processing for image capturing and sensing on IUVs;
- Experiment and prototype of IUVs for image capturing and sensing;
- Object detection, classification and segmentation algorithms for multispectral and hyperspectral imaging;
- Feature extraction and reduction for multispectral and hyperspectral imaging;
- Change and anomaly detection in multispectral and hyperspectral images;
- Interpretability and explainability in machine learning for multispectral and hyperspectral imaging;
- Applications of multispectral and hyperspectral imaging;
- Data fusion from multiple sensors.





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 \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Electrical and Electronic Engineering*) CiteScore - Q2 (*Electrical and Electronic Engineering*)

Contact Us

Electronics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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