

Special Issue

Intelligent Unmanned Vehicles for Image Capturing and Sensing

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.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



Electronics

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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

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