

Special Issue

Advances in Imaging and Sensing for Drones

Message from the Guest Editors

This Special Issue focuses on the broad development prospects of processing image and sensor data acquired by drones. It includes theories and methods from the analysis of images and online processing to real-world practical applications. This can be achieved through image/signal processing or deep/machine learning algorithms. Researchers and investigators are invited to contribute original research or review articles to this Special Issue. This Special Issue will welcome manuscripts that link the following themes:

- Analysis of drone videos/images (image classification, object detection, object tracking, image segmentation, feature extraction, change detection, etc.).
- Data stitching and fusion: stitching of large-scale data from drone images and fusion with satellite, aerial or ground data.
- Real-time processing of drone data: research on embedded platforms carried by drones.
- Development of intelligent control software for drone flight control ground: research into intelligent control.
- Applications (marine monitoring, resource surveying, search and rescue, agriculture, forestry, urban monitoring, disaster prevention and assessment, etc.).

Guest Editors

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Deadline for manuscript submissions

closed (8 October 2023)



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About the Journal

Message from the Editor-in-Chief

Drones is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field of drones.

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