

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 the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.

There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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