Special Issue

Advances in Drone-Based Multi-Sensor Image Translation and Augmentation

Message from the Guest Editors

Drones have become a very powerful and intelligent platform for image acquisition, analysis and processing. The related research is currently focused on improving the quality and efficiency of image translation and the ability to convert between different modalities. This Special Issue covers topics such as improving the quality and efficiency of multi-sensor image conversion, image recognition and classification accuracy under low-light conditions, enhancing the ability and speed of multi-sensor drone image processing, and optimizing the application of multi-sensor drones in specific environments. Topics for papers mainly include, but are not limited to, the following:

- Multi-sensor UAV image fusion processing;
- Multi-sensor UAV image conversion;
- Machine learning models for image conversion;
- Theories and methods for image conversion quality evaluation;
- Ultra-high-resolution image classification;
- UAV image enhancement in low-light environments;
- UAV airborne intelligent computing;
- Multi-sensor information air–ground collaborative processing;
- Application technology of multi-sensor UAVs in agriculture, forestry, transportation, public safety, and other fields.

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Deadline for manuscript submissions

14 December 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/222450

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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