

Special Issue

Unmanned Aerial Systems and Remote Sensing

Message from the Guest Editors

Unmanned aerial system (UAS) applications have become an expanded area in remote sensing in the last decade. Advances and developments in unmanned aerial vehicle (UAV) platforms, sensors, and image processing have resulted in increasing use of this technology in the remote sensing community. This Special Issue focuses on UAS and Remote Sensing and its scope includes descriptions of processing algorithms/methodologies, as well as the interpretation of spatio-temporal agricultural, forestry, geological, ecological, environmental, and mapping, in general, using data from sensors on-board UAV. Contributions may focus on, but are not limited to the following:

- UAS sensor design
- Processing algorithms applied to UAS-based imagery datasets
- Radiometric and spectral calibration of UAS-based sensors
- UAS-based: RGB, multispectral, hyperspectral, and thermal imaging
- UAS-based LiDAR
- UAS-based monitoring
- Artificial intelligence strategies: classification, object detection.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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