

Special Issue

Remote Sensing and UAV Technologies for Environmental Monitoring

Message from the Guest Editor

Sensors is a journal dedicated to a wide scope of sensor and imaging technologies and related topics. UAV technologies for environmental imaging and UAV sensor development and image processing therefore fall within the journal's scope. UAV (drone) hardware and software are rapidly evolving, making the technology available to large communities of researchers and professionals. The use of UAV technology has come to provide fast and cost-effective tools for the monitoring of natural and manmade environments. The need to provide instant aerial data to assess environmental accidents and damage is evident. Apart from basic RGB camera drones, there is a growing need for cheap specialized drones carrying, for example, thermal or multi-spectral cameras, just as there is an emerging requirement to fly drone swarms that can map large areas in search and rescue missions. The development of weather resistant drones has also become a clear issue. This Special Issue intends to provide a platform for those actively developing UAV sensor products, flight automation, high-precision positioning, integration, image processing, and other related fields.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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