Special Issue

Trends in UAV Remote Sensing Applications

Message from the Guest Editors

Unmanned aerial vehicle (UAV) technology bridges the gap among spaceborne, airborne, and ground-based remote sensing data. Its characteristics of light weight and low price enable affordable observations with very high spatial and temporal resolutions. Moreover, recently, the stability, flight duration, and load capacity of UAVs increased significantly with the development of flight-control and battery technology, which enable more sensor varieties (e.g., optical sensor, lidar sensor, and radar sensor) to be mounted on small UAVs. These multi-source, UAV-sensing data with high spatial and temporal resolutions drive new developments in the field of remote sensing applications. This Special Issue focuses on reviewing the trends of UAV remote sensing in, but not limited to, the fields of powerline inspection, forest mapping and management, archeology, terrain survey, geological disaster survey, biodiversity conservation, and hydrological modelling. Reviews on the trends of the integration of UAV remote sensing hardware and the fusion of multi-source UAV remote sensing data and novel and advanced research on UAV remote sensing applications are also welcomed.

Guest Editors

Dr. Qinghua Guo

Institute of Remote Sensing and Geographic Information System (IRSGIS), School of Earth and Space Sciences, Peking University, Beijing 100871, China

Dr. Yanjun Su

State Key Laboratory of Vegetation and Environmental Change, Institute of Botany, Chinese Academy of Science, Beijing 100093, China

Deadline for manuscript submissions

closed (30 April 2020)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/22256

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

About the Journal

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.

Editor-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

Journal Rank:

JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)