Special Issue

Application of UAVs in Geo-Engineering for Hazard Observation

Message from the Guest Editors

The earth's surface has been modeled by geological dynamics that have shaped it and by complex geomorphological processes that drive its transformation and evolution over time. Resilience of structures and infrastructures to geo-hazard events has become a crucial feature. Accurate geomatic surveying is a prerequisite for studying the processes and dynamics of both the earth's surface and of the structures on it. Such surveying is widely used in geology and geomorphology for its ability to provide reliable multiscale and multi-temporal base maps and accurate digital elevation models (DEM).

The purpose of this Special Issue is to present new research advances on the applications of UAV photogrammetry for the characterization and monitoring of ground and structure/infrastructures, with special reference to their digital modeling. All kinds of innovative applications of UAVs to geo-engineering issues are therefore welcome. We expect contributions focusing on different aspects in this field, both algorithmic and methodological.

Guest Editors

Dr. Margherita Fiani

Department of Civil Engineering, University of Salerno, 84084 Fisciano, SA, Italy

Prof. Dr. Maurizio Barbarella

Department of Civil, Chemical, Environmental and Materials Engineering DICAM, University of Bologna, Bologna, Italy

Deadline for manuscript submissions

closed (30 November 2022)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/47081

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 Editorial Board

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.

Editors-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

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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)

MDPI