Special Issue

Unconventional Drone-Based Surveying

Message from the Guest Editors

Structure-from-Motion photogrammetry (SfM) allows the detection of physical surfaces of interest in an extremely fast and simple way. There is a wide range of applications based on the use of drones for photogrammetric purposes, leading to the creation of dense and accurate point clouds representing the objects of interest. Possible topics (but not limited):

- providing new methods for data analysis, highlighting their strengths and weaknesses;
- studying possible unexpected systematic errors from data analysis due to digital camera specifications and/or the image distribution on the covered areas;
- conceiving methods for error mitigations and their applications;
- analyzing the impact of scale factor corrections on results in terms of surface variation reliability;
- verifying the role of real ground sampling distance (GSD) in digital models resolution;
- other original miscellaneous approaches. Generally, only papers concerning a successful application of a methodology in its final version are published.

Guest Editors

Dr. Arianna Pesci

Dr. Giordano Teza

Dr. Massimo Fabris

Deadline for manuscript submissions

closed (31 October 2022)

Drones

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 5.6

mdpi.com/si/74387

Drones
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
drones@mdpi.com

mdpi.com/journal/drones

Drones

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 5.6

mdpi.com/journal/drones

About the Journal

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.
There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera
Cartographic and Land Engineering Department, Higher Polytechnic School of Avila, University of Salamanca, Hornos Caleros, 50 05003 Avila, Spain

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), Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q1 (Remote Sensing) / CiteScore - Q1 (Aerospace Engineering)