Special Issue

UAVs for Photogrammetry, 3D Modeling, Obtrusive Light and Sky Glow Measurements

Message from the Guest Editors

The Special Issue focuses on new trends in photogrammetry and remote sensing with UAVs. In recent years, there have been a lot of new developments strictly concerning UAVs, but also measurements from these devices in general. New sensors, procedures, and algorithms are being developed which improve the quality of photogrammetric studies, photos, and 3D models. Many new algorithms use neural networks, while continuous miniaturization allows achieving an increasingly better accuracy of measurements using small sensors mounted on UAVs. New measurement procedures are also being developed, and the number of UAV applications is constantly increasing especially in environmental and civil engineering. This Special Issue will gather all types of solutions—technical, procedural, and algorithmic—aiming to improve the quality of photogrammetric studies, 3D models, and remote sensing with UAVs. In addition, we invite papers on new trends in artificial light measurements and photogrammetry at night. Night measurements with UAVs, especially those toward light pollution measurements, are becoming important from an environmental point of view.

Guest Editors

Dr. Pawel Burdziakowski

Department of Geodesy, Faculty of Civil and Environmental Engineering, Gdansk Technical University, Narutowicza St. 11/12, Gdansk, Poland

Dr. Katarzyna Bobkowska

Faculty of Civil and Environmental Engineering, Department of Geodesy, Gdansk University of Technology, 80-233 Gdansk, Poland

Deadline for manuscript submissions

closed (20 April 2025)

Drones

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 7.4

mdpi.com/si/130727

Drones
Editorial Office
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 4.8
CiteScore 7.4

mdpi.com/journal/drones

About the Journal

Message from the Editor-in-Chief

Drones is an international open access journal focusing on advancing research in drone science, policy, technology, and applications. Today, drones have become indispensable for policymakers, regulatory authorities, mapping agencies, start-ups, and established firms. Their expanding societal and economic relevance is reflected in the rapid development of new sensors, upgraded platforms, specialized software, and novel applications. The journal provides a central forum for scholars in drone research and applications to exchange findings and innovations. With growing demand for high-quality research, our Editorial Board comprises international leaders and experts across relevant scientific areas. We offer rigorous peer review and rapid publication of papers from across all areas of drone science. We welcome you to submit your next paper to *Drones* and to contribute to the continued advancement of and innovations in the field 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)

MDPI