



Drone Inspection in Cultural Heritage

Guest Editors:

Dr. Parrinello Sandro

Prof. Dr. Salvatore Barba

Prof. Dr. Diego González-Aguilera

Dr. Jesus Fernandez-Hernandez

Dr. Miguel Angel Maté-González

Dr. Luis Javier Sanchez-Aparicio

Deadline for manuscript
submissions:
closed (30 September 2022)

Message from the Guest Editors

Dear Colleagues,

Unmanned aerial and ground vehicles (UAV and UGV), also called drones, have been widely used in cultural heritage for at least three decades, opening various applications in large scale and close range digitalization. Both platforms can capture images, or even point clouds, from inaccessible areas such as roofs or narrow galleries, making the complete documentation of complex heritage sites possible. However, the rapid evolution of geomatics and robotics, e.g., the development of new algorithms for structure from motion or SLAM problems, as well as the latest developments in electronics (e.g., navigation systems), requiring a continuous review of the possibilities within the heritage field. The present Special Issue will cover the latest advances in cultural heritage documentation, including the diagnosis of these structures, by means of the use of drones. Rather than another 3D reconstruction contribution, this Special Issue seeks high-quality papers that explore all the potentialities offered by these platforms and the latest advances in data acquisition, positioning, and sensor hybridization applied to the inspection of cultural heritage sites and objects.





an Open Access Journal by MDPI

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

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.

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)

Contact Us

Drones Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/drones
drones@mdpi.com
[X@Drones_MDPI](#)