

## Special Issue

# From UAS to BIM: Methods and Design for the Multiscale Metric and Spatial Documentation and Representation of Built Heritage and Infrastructures

### Message from the Guest Editors

Today the use of UAS (Unmanned Aerial Systems) for the 3D metric documentation and representation of different assets can be considered as a standard approach. These domains vary from architectural built heritage, infrastructures, landscape, and territory. For these reasons, the adoption of BIM/HBIM (Building Information Modelling/Heritage BIM) processes is a common procedure in the Architecture, Engineering & Construction (AEC) sector and its combination with UAS derived data is of particular interest. The scan to BIM process/procedure, from UAS photogrammetric point clouds to 3D parametric model, is one of the techniques that is gaining popularity for the creation of as-built parametric models. We are pleased to invite you to submit manuscripts to the MDPI Drones Special Issue “From UAS to BIM. Methods and design for the multiscale metric and spatial documentation and representation of built heritage and infrastructures”, related but not limited to the considered topics:

- UAS photogrammetry
- as-built models
- BIM, HBIM, urbanBIM
- standards interoperability
- point cloud segmentation

### Guest Editors

Prof. Dr. Fulvio Rinaudo

Dr. Lorenzo Teppati Losè

Dr. Elisabetta Colucci

### Deadline for manuscript submissions

closed (31 March 2024)



## Drones

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## 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.

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### Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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