



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

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Deadline for manuscript submissions:

closed (31 March 2024)

Message from the Guest Editors

Dear Colleagues,

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





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Message from the Editor-in-Chief

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