

Special Issue

Towards Intelligent Digital Heritage: From Latest Digital Survey Techniques to Advanced 3D Data Analytics and Use

Message from the Guest Editors

The goal of this Special Issue is to collect papers to give insights about these trends of digital cultural heritage preservation and understanding, exploring one of the three main aspects (survey, data analytics, and data fruition) or all of them, describing exceptional case studies, and presenting issues, possible solutions, and future developments.

This Special Issue will welcome manuscripts that link the following themes:

- Low-cost sensors and open-source algorithms for terrestrial 3D modelling;
- Research in 3D/4D survey and modelling;
- Image matching, Multi-View Stereo (MVS) and 3D reconstruction;
- Point cloud processing, semantic enrichment, and analysis;
- NeRF and Gaussian splatting 3D reconstruction and modelling;
- Semantic and AI methods in terrestrial 3D reconstruction problems;
- Virtual and augmented reality for complex architectures and heritage;
- Investigations in BIM for cultural heritage (HBIM);
- Data sharing platform for architectural 3D models.

Guest Editors

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Prof. Dr. Fabio Remondino

Deadline for manuscript submissions

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About the Journal

Message from the Editorial Board

Heritage is an international, peer-reviewed, open access journal that focuses on knowledge, conservation, interpretation and management of cultural and natural heritage, by presenting and enabling novelty and advances in sensing technologies, novel methods, best practices and policies. *Heritage* has the ambition to become a “cultural forum”, where scientists and experts offer answers to significant issues affecting cultural and natural heritage, by creating a knowledge bridge between different technological and social disciplines. *Heritage* has an Editorial Board of eminent international leaders and this ensures rigorous peer-review processing for high quality and novel papers. We strongly recommend *Heritage* for the rapid and professional publication of your innovative research and case studies.

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