

## Special Issue

# Building Information Modelling (BIM), Digital Twins and 3D Web Exploration for the Management, Enjoyment and Conservation of Cultural Heritage

### Message from the Guest Editors

The use of BIM processes in heritage contexts remains a challenge due to the complexity and variety of historic architectural languages/methods which must be digitally reproduced in parametric objects. Recent topics in this field have included the scan-to-BIM, machine learning and deep learning methodologies that will help to automatically recognize architectural elements from the variety of remotely sensed data. The proliferation of Internet of Things (IoT) applications opens up new possibilities for the development of cultural heritage digital twins to monitor real-time data acquisitions and subject them to analysis for management and conservation purposes. 3D web exploration solutions are becoming even more essential for the management, dissemination and enjoyment of cultural heritage. This Special issue aims to collect high-quality papers dealing with various issues related to the application and the integration of computer science and innovative geomatics methodologies for cultural heritage using BIM and/or digital twining processes.

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### Guest Editors

Dr. Marcello La Guardia

Dr. Mila Koeva

Dr. Mauro Lo Brutto

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### Deadline for manuscript submissions

closed (31 January 2025)



## Heritage

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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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### Editors-in-Chief

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