



3D Reconstruction in Cultural Heritage Conservation Through Range-Based and Image-Based Techniques

Guest Editors:

Dr. Domenica Costantino

Dipartimento di Ingegneria Civile,
Ambientale, del Territorio, Edile e
di Chimica, Polytechnic
University of Bari, Via E. Orabona
4, 70125 Bari, Italy

Dr. Vincenzo Saverio Alfio

Dipartimento di Ingegneria Civile,
Ambientale, del Territorio, Edile e
di Chimica, Polytechnic
University of Bari, Via E. Orabona
4, 70125 Bari, Italy

Message from the Guest Editors

This Special Issue aims to analyse the possible uses of three-dimensional (3D) datasets for the elaboration of digital models in order to reproduce, with adequate accuracy, existing cultural heritage. Starting from a survey carried out with active or passive sensors or integrating different acquisition techniques, topics may range from Scan to H-BIM and Scan to FEM approaches for the management and analysis of CH assets, to the realisation of Digital Twin at the building and urban scale for the valorisation of existing architecture.

Articles may cover, but are not limited to, the following topics:

- Scan to BIM;
- Scan to FEM;
- 3D Modelling;
- Digital Twin;
- Historical mapping at urban scales;
- G.I.S. and 3D City Model;
- Rapid mapping;
- Active and/or passive sensors;
- Multi-sensor geospatial analyses.

Deadline for manuscript
submissions:

closed (15 August 2025)





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Western Geographic Science
Center (WGSC), 2255, N. Gemini
Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and
Geographic Information Systems,
Peking University, Beijing, China

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Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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