

Special Issue

The Application of Heritage Building Information Modelling in Sustainable Heritage Protection

Message from the Guest Editors

Heritage building information modelling (HBIM) represents one of the most promising of such processes for sustainable conservation, as it fosters interdisciplinarity, stakeholder involvement, efficient workflows, feasible analysis and performance-based design solutions. Despite this potential, many gaps still need to be addressed relating to methodologies, software applications and built heritage's inherent complexities. Research areas may include (but are not limited to) the following:

- Methodologies and applications of HBIM for sustainable heritage protection to relevant case studies;
- Energy and environmental improvement of historical buildings and sensitive renovation through HBIM;
- HBIM support of sustainable operation and maintenance;
- Sustainable asset management through the use of HBIM for public authorities involved in heritage conservation and enhancement;
- HBIM support for ecological compatibility and circular economy within conservation processes (materials, tools, etc.);
- Evaluation of environmental impacts and risks and integration of decision support systems within HBIM processes

Guest Editors

Dr. Letizia Martinelli

Dr. Filippo Calcerano

Dr. Elena Gigliarelli

Deadline for manuscript submissions

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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