Special Issue

New Digital Technologies for Masonry Structures

Message from the Guest Editors

The preventive conservation and maintenance of masonry buildings stand as a priority of the overall political strategy at the European level and at the United Nations within the recent framework for disaster risk reduction. In such a context, the Special Issue intends to reunite research works that foster a discussion on how novel digital technologies can be applied for the conservation and structural analysis of masonry structures. Significant advances have been witnessed in the last decade related to the documentation and preservation of masonry buildings with cultural and historical values. In addition, recent technology related to workflows for digital representation (Digital Twin), information and management (BIM), offer opportunities and novel perspectives in terms of geometry acquisition (point clouds or manual/parametric approaches), data dissemination, methodologies for structural analysis (Scan-to-FEM), and machine-learning based strategies. In this Issue, original research papers, case studies, and state-of-the-art reviews are welcome. Covered topics may include the application and development of digital technologies for masonry buildings.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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