

Special Issue

Application of Digital Technology in the Preservation and Restoration of Historic Buildings

Message from the Guest Editors

In order to solve the different knowledge gaps regarding the application of innovative, efficient and sustainable methodologies in cultural heritage in general, the Editorial Office of MDPI's journal *Buildings* is presenting a Special Issue entitled "Application of Digital Technology in the Preservation and Restoration of Historic Buildings". The aim of this Special Issue is to collect the experiences of authors and their most innovative results concerning the interventions and conservation processes performed in order to address historical sites and monuments, which are a testimony to our rich Cultural Heritage. This Special Issue particularly welcomes submissions that seek to integrate different efficient systems and diverse technological resources (including AI) in order to study, catalogue, preserve and disseminate the universal architectural, archaeological and artistic heritage (PA3). This also implies that the expert community can evaluate its usefulness and contrast its effectiveness as an innovative means of study. This is therefore the best means of achieving positive and rapid implementation in the sector.

Guest Editors

Dr. Juan Enrique Nieto-Julián
Dr. Juan J. Moyano
Dr. Silvana Bruno

Deadline for manuscript submissions

closed (30 September 2025)



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

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About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

Prof. Dr. David Arditi

Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

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JCR - Q2 (Construction and Building Technology) /
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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).