Special Issue

Built Heritage Conservation in the Twenty-First Century: 2nd Edition

Message from the Guest Editors

The process of preserving built heritage challenges the institutional, technological, and conceptual notions of the twentieth century, evolving into a global, deeply interdisciplinary, and digitally driven endeavour. However, new technological opportunities and the rapidly expanding field of AI come with new uncertainties. Built heritage can no longer be regarded as a discipline isolated from issues such as mass migration, climate change, social inequalities, and other global concerns. In response, this Special Issue of *Buildings*, "Built Heritage Conservation in the Twenty-First Century: 2nd Edition", aims to provide a platform for discussing significant research challenges and achievements related to methods and technologies in the field of built heritage. It seeks to gather diverse research outcomes and practical experiences related to defining significance, identifying construction technologies and restoration methods, creating adaptive reuse strategies, and other relevant topics. Dr. V. Petrulis warmly invites authors to submit their articles for potential inclusion in this Special Issue.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2025)

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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

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