

Special Issue

Research on BIM-Based Building Process Management

Message from the Guest Editors

Research activity about Building Information Modelling (BIM) is now one of the most important in the field of ICT for the construction sector, as there is a need to apply it for different innovative applications in the Architecture, Engineering, and Construction (AEC) sectors. This Special Issue surveys the latest research developments surrounding BIM throughout the entire building process, from the early design stages to the construction of the building and its management, until the end of its life cycle, including demolition and deconstruction. The Special Issue also looks at other related areas of potential, including, but not limited to, building renovation and heritage conservation. We invite submissions of both relevant original research and critical review papers addressing the above themes as well as exploring the future extensions of BIM such as digital twins; the adoption of advanced systems (e.g., virtual reality and augmented reality) to better support communication and collaboration in BIM; and the integration of IoT and artificial intelligence for enhancing decision making and automation in the building life cycle.

Guest Editors

Prof. Dr. Daniotti Bruno

Department of Architecture, Built Environment and Construction Engineering, School of Architectural Engineering, Politecnico di Milano, 20133 Milan, Italy

Dr. Mirarchi Claudio

Department of Architecture, School of Architectural Engineering, Politecnico di Milano, 20133 Milan, Italy

Deadline for manuscript submissions

closed (29 February 2024)



Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



mdpi.com/si/146296

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

[mdpi.com/journal/
buildings](https://mdpi.com/journal/buildings)





Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



[mdpi.com/journal/
buildings](https://mdpi.com/journal/buildings)



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

Author Benefits

High Visibility:

indexed within SCIE (Web of Science), Scopus, Ei Compendex, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Construction and Building Technology) /
CiteScore - Q1 (Architecture)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).