

Special Issue

Application of Innovative Technologies in Construction Project Management

Message from the Guest Editors

The construction industry is increasingly adopting innovative digital technologies such as Building Information Modelling (BIM), AR/VR, and AI to improve productivity in managing construction projects and minimising risks. Thus, this Special Issue focuses on identifying the status quo of the current developments in integrating construction project management and technologies and how the aforementioned digital transformation is currently reshaping the construction industry and construction project management practices. Topics welcome in this Special Issue include, but are not limited, to the following:

- BIM
- AR/VR
- AI, machine learning, and deep learning
- smart construction technologies (e.g., Internet of Things, wearable sensors, Blockchain technology, digital twin technology, etc.)
- industry 4.0 and construction project management
- time and cost benefits of digital technology adoption
- opportunities and challenges in utilising digital technologies for construction project management
- digital transformation in construction project management practices
- digital transformation and sustainability in the built environment

Guest Editors

Dr. Kenneth Park

Dr. Ki Pyung Kim

Dr. Nii Ankrah

Dr. Maxwell Fordjour Antwi-Afari

Deadline for manuscript submissions

closed (30 January 2026)



Buildings

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 5.6



mdpi.com/si/191163

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 3.4
CiteScore 5.6



[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 (Engineering, Civil) / CiteScore - Q1 (Architecture)

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).