

Special Issue

Emerging Technologies, Tools, and Methods for Enabling Safer, Healthier, and More Productive Work Settings in Construction Project Management

Message from the Guest Editors

The construction industry has entered an era when the infiltration of innovative technologies, methods, and tools with traditional construction project management has led to opportunities towards a safer, healthier, and more productive work environment. For example, building information models (BIMs), augmented/virtual reality, cloud-based computing, and wearable technologies such as exoskeletons and exosuits. The aim of this Special Issue is to inform the community of the forefront of emerging technologies, tools, and methods in construction project management. We invite submissions for this Special Issue, with topics including, but not limited to: safety-productivity balance; human-centric work settings; collaborative worker-machine construction; wearable technologies in construction; digital, robotic, and automated construction; off-site (modular) construction; physical, mental, and respiratory health; work-related musculoskeletal disorders (WMSDs); human-in-loop performance monitoring and modeling; innovative technologies for training and education.

Guest Editors

Dr. Fei Dai

Dr. Zhenhua Zhu

Prof. Dr. Man-Woo Park

Dr. Juhyeong Ryu

Deadline for manuscript submissions

20 November 2025



Buildings

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 4.4



mdpi.com/si/156356

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).