

## Special Issue

# Advances in Studies in Artificial Intelligence for Construction Management

### Message from the Guest Editor

The growing complexity and scale of construction projects are driving the need for more intelligent, adaptive, and data-driven approaches to project management. In this context, artificial intelligence (AI) has emerged as a powerful tool for innovation across the entire construction lifecycle—from early-stage planning and design to on-site execution and post-construction operations. AI technologies are being applied to enhance safety, productivity, quality control, and risk management, offering new opportunities to improve efficiency and resilience across diverse project environments. As these technologies begin to influence real-world practices, it is increasingly important to examine not only their technical capabilities, but also their practical applications, limitations, and implications for the future of construction management. This Special Issue seeks cutting-edge research and applied studies that demonstrate how AI can be integrated into construction workflows to address challenges and improve project outcomes. We invite contributions that critically explore the transformative potential of AI in construction management.

### Guest Editor

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### Deadline for manuscript submissions

28 February 2026



## Buildings

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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.

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### Editor-in-Chief

Prof. Dr. David Arditi

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