Special Issue

Artificial Intelligence for Sustainable Construction and Infrastructure Management

Message from the Guest Editors

Artificial intelligence (AI) can act as a backbone that provides a new and more efficient way for facilitating sustainable construction and infrastructure management. Therefore, this Special Issue intends to encourage researchers and practitioners to implement **AI in construction** and **infrastructure management** in order to seize the valuable opportunity of digital evolution for improved project performance and sustainability. Research papers related to AI for sustainable construction and infrastructure management are welcomed, including but not limited to knowledge representation and reasoning, computer vision, machine learning, deep learning, natural language processing, intelligent optimization, information fusion, and process mining.

- *artificial intelligence*
- *automation in construction*
- *construction management*
- *construction informatics*
- *machine learning*
- *sustainability*

We look forward to receiving your submissions.

Guest Editors

Dr. Yuan Chen

Dr. Hexu Liu

Dr. Xianfei Yin

Dr. Bo Xiao

Dr. Yinghua Shen

Deadline for manuscript submissions

closed (10 May 2023)

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

mdpi.com/journal/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.

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

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

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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).