Special Issue

Applications of (Big) Data Analysis in A/E/C

Message from the Guest Editors

This Special Issue (SI), entitled “Application of (Big) Data Analysis in A/E/C”, in *Buildings* has issued a call for papers. The Special Issue will focus on quality papers outlining novel contributions of the application of big data theory, modelling techniques, and methodologies as a tool for leveraging data analytics in the building industry. Contributions are also welcomed from related topics covering various application domains of the global A/E/C (architecture, engineering, and construction) industry, including, but not limited to, construction management (including building information, land use, etc.), structure engineering and health, materials, transportation management and facilities, and geotechnical engineering. Research involving or utilising theory and modelling methodologies during one, some, or all phases of data collection, data preprocessing, data analysis, prediction, and the decision support functions of the (big) data analysis process are welcomed..... For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/buildings/special_issues / GV29ERG645

Guest Editors

Dr. Zheng-Yun Zhuang

Dr. Ying-Wu Yang

Prof. Dr. Ming-Hung Hsu

Deadline for manuscript submissions

closed (15 March 2023)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/130890

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

mdpi.com/journal/buildings

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/journal/buildings

MDPI

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).