

Special Issue

Recent Advances in Intelligent Applications of Well-Being Spaces Design and Engineering

Message from the Guest Editors

This Special Issue aims to reflect the current state of the art and new developments in the application of artificial intelligence, machine learning, and data-driven applications for air quality, water quality, thermal comfort, solar radiation, energy planning and policy, and other topics relevant to well-being spaces. This Special Issue will provide a comprehensive and interdisciplinary avenue for researchers, experts, and engineers to publish their latest findings. We welcome original research articles, case studies, and reviews focusing on, but not limited to, the following topics:

- Artificial intelligence as applied to well-being spaces;
- Indoor/outdoor building environmental assessment and simulation;
- Healthy and comfortable built environments;
- Green buildings and sustainable systems based on computer science;
- Advances in modelling and simulation tools;
- Data mining in well-being space datasets;
- Machine learning applications for energy management;
- Predictive maintenance and assessment;
- Renewable energy applications;
- Modeling in health, productivity, and well-being related to the built environment.

Guest Editors

Prof. Dr. Guodan Liu

Prof. Dr. Hongbing Chen

Dr. Sheng Miao

Deadline for manuscript submissions

closed (30 October 2025)



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

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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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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).