Special Issue

Architecture: Integration of Art and Engineering

Message from the Guest Editors

Presentations of experiences of the use of, among others, integral design and management, BIM and building life cycle modeling (BLCM), 3D to 7D modeling, parametric design, and advanced visualization will be welcome. Digital support for decision-making processes in architecture and civil engineering already has a long-standing tradition worthy of presentation.

As part of sustainability, we suggest paying attention to architectural revitalization and bioclimatic architecture. Cost–benefit analysis (CBA), circular economy (including circular building), building life cycle, and reducing energy consumption in buildings are inextricably linked with those issues. In the area of interior architecture, we can expect articles in the realm of virtual reality and parametric methods, sustainable and recycling materials in interior design, flexibility, responsibility, experiences in interior architecture, and light and color in interior design.
For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/buildings/special_issues/ ArtI_Engineering

Guest Editors

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Prof. Dr. Agata Bonenberg

Prof. Dr. Wojciech Bonenberg

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Deadline for manuscript submissions

closed (30 June 2022)

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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

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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).