Special Issue

Digital Transformation and Resilience in Construction Management: Technologies, Strategies, and Applications

Message from the Guest Editors

This Special Issue seeks to explore the latest research and practical applications of digital technologies in fostering resilient and data-driven construction management. We welcome high-quality original research articles, case studies, and comprehensive review papers addressing, but not limited to, the following topics:

- Digital construction and smart technologies;
- AI and data-driven construction management;
- Modular and offsite construction;
- Resilience and sustainability in construction;
- Digital transformation strategies in construction firms;
- Cybersecurity and data governance in construction informatics.

We invite researchers and industry practitioners to contribute cutting-edge insights that bridge the gap between digital innovation and resilient construction management.
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Guest Editors

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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).