

# Special Issue

## Machine Learning in Infrastructure Monitoring and Disaster Management

### Message from the Guest Editors

The rapid advancements in information and sensing technology have led to an exponential increase in data related to infrastructure monitoring and disaster management. This includes real-time monitoring time series, inspection images and videos, and hazard reconnaissance data. In today's era of big data, these valuable data sources serve as the new fuel driving society toward more resilient, reliable, and safer infrastructure facilities. This Special Issue delves into ML in infrastructure monitoring and disaster management, covering topics such as data collection and storage, ML applications, algorithm development, and sensing advancements. Progress in this field will lead us toward a safer and more resilient community. For more details: <https://www.mdpi.com/si/209035>

### Guest Editors

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### Deadline for manuscript submissions

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## 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.

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### Editor-in-Chief

Prof. Dr. David Arditi

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indexed within SCIE (Web of Science), Scopus, Ei Compendex, Inspec, and other databases.

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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 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).