Special Issue

Engineering Disaster Prevention and Performance Improvement

Message from the Guest Editors

Natural disasters can cause damage to engineering structures, and in severe cases, they can directly lead to structural collapse and destruction. Disaster prevention, reduction, and structural performance improvement have always been hot research topics in the field of civil engineering. For this special issue, we invite original articles on research on disaster prevention and performance improvement of engineering structures, including but not limited to:

- *seismic resistance of bridges or other engineering structures,*
- *bridge hydrodynamics and local erosion,*
- *impact protection of engineering structures*
- *performance improvement of in-service structures.*

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/buildings/special_issues/25K4C694H8

Guest Editors

Dr. Lunliang Duan

Dr. Zhi Zheng

Dr. Jun Yang

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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 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).