

Special Issue

Structural Performance in Blast Load Scenarios

Message from the Guest Editors

There is an ever-present need for reliable and pragmatic engineering tools for blast-load assessments and the mitigation design of military and civilian structures. This Special Issue is being organized to encourage authors to submit papers addressing topics including but not limited to the following:

- Blast loading on structures and structural elements;
- Experimental methods for blast load parameter measurements;
- Experimental investigation on the blast load influence on structures and structural elements;
- Numerical investigation of blast load parameters and influences on structures and structural elements;
- Blast load-induced ground vibrations and their influence on structures;
- Seismic performance of structures as a potential blast load mitigation design;
- Innovative materials and design procedures for blast load mitigation;
- Structural strengthening for blast load mitigation.

For more information, please click on the Special Issue link:

https://www.mdpi.com/journal/buildings/special_issues/1C3AZ21D3G

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2025)



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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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Rapid Publication:

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).