

Special Issue

Foundation Treatment and Building Structural Performance Enhancement

Message from the Guest Editors

We invite authors to submit original research, theoretical and experimental work, case studies, and comprehensive review papers for possible publication. Topics relevant to this Special Issue include, but are not limited to, the following subjects:

- New methods for foundation treatment and enhancing the performance of building structures;
- Low-carbon foundation treatment and building structural performance enhancement technology;
- Innovative and sustainable foundation treatment and building structural materials;
- Digital methods applied to foundations and building structures;
- Performance evaluation of foundations and building structures;
- Reliability and maintenance engineering of foundations and building structures;
- Intelligent monitoring of foundations and building structures;
- The application of intelligent integrated machinery in foundation treatment and building structures.

Guest Editors

Prof. Dr. Jiangbo Xu

Prof. Dr. Peng Sha

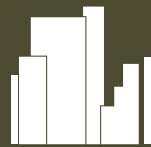
Prof. Dr. Zhi-Feng Wang

Dr. Jiangshan Li

Dr. Song Feng

Deadline for manuscript submissions

closed (20 December 2025)



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.

Editor-in-Chief

Prof. Dr. David Arditi

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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).