



## Advances in Foundation Engineering for Building Structures

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Deadline for manuscript  
submissions:

**closed (30 January 2025)**

### Message from the Guest Editors

Dear Colleagues,

In recent times, significant changes have occurred in the building market. For 1) new development, each country is competing with skyscrapers by building increasingly large and high-rising buildings, a new foundation type and design method are required. For 2) a sustainable future, CO2 reduction policies are also needed in the building structure market.

We welcome research papers and review papers on various topics that present originally theoretical, empirical, experimental, methodological, and numerical analysis results. The following topics are recommended, but not limited to:

- Innovative foundation technologies for super-high-rise buildings;
- Foundation technologies for building remodeling;
- Foundation for renewable energy for buildings;
- Ground deep excavation for building construction in urban;
- Stability of building foundation against earthquakes;
- Improving bearing capacity of foundation for building;
- Building foundation using 3D printing technology.





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## 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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