

Special Issue

Structural Vibration Serviceability and Human Comfort III

Message from the Guest Editors

Structures subjected to human activities, strong wind, heavy machines, and adjacent traffic may experience excessive vibration, causing so-called serviceability problems. To prevent unpleasant structural vibration, in recent years researchers and engineers have been paying increasing attention to vibration serviceability from various perspectives, including load models, calculation methods, and evaluation. On 24–26 October 2025, The 3rd National Conference on Vibration Serviceability of Engineering Structures was held in Wuhan, China. This Special Issue is an outcome of the conference. Topics may include, but are not limited to, the following:

- Human-induced vibration serviceability in building floors.
- Vibration serviceability issues of transportation systems.
- Wind-induced vibration serviceability of high-rise buildings.
- Dynamic load modeling for vibration serviceability assessment.
- Design theory and evaluation criteria for structural vibration serviceability.
- Vibration control designs/products for serviceability improvement.
- Development and application of vibration serviceability codes for engineering structures.
- Case studies of vibration serviceability in engineering practice.

Guest Editors

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Deadline for manuscript submissions

closed (1 March 2026)



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

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