

Special Issue

Structural Vibration Serviceability and Human Comfort II

Message from the Guest Editors

The objective of this Special Issue is to bring together the most recent research regarding the above-mentioned problem, to support the increasing needs of both academia and industry, including experimental testing, numerical calculation, design strategies, serviceability assessments, and their engineering applications. On 27–31 July 2023, we will host “The 2nd National Conference on Vibration Comfort of Engineering Structures” in Urumchi. This Special Issue is an outcome of this conference. Topics may include, but are not limited to, the following:

- Dynamic load models for serviceability problems;
- Analytical methods for structural response calculation;
- Experimental tests for serviceability assessment;
- New technologies for vibration control;
- Serviceability evaluation criteria;
- Design strategies of serviceability and applications;
- Inverse problems in vibration serviceability;
- Serviceability of a specific structural type (RC, SRC, wood, etc.);
- Big data analysis in vibration serviceability.

Guest Editors

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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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