Special Issue

Vibration Serviceability of Civil Engineering Structures

Message from the Guest Editor

Vibration serviceability limit state is increasingly governing the design of contemporary, typically light-weight, lightly-damped and low-frequency, civil engineering structures. To successfully address this challenge, it is necessary to develop a better understanding of the uncertainties and variabilities in dynamic loading, structure models, and user response to (and interaction with) vibrating structures. The aim of this Special Issue is to present state-of-the-art experimental and numerical research in vibration serviceability of civil engineering structures. The topics to be covered include:

- Modelling dynamic loading scenarios and resulting forces, especially those generated by human actions;
- Characterizing the dynamics of civil engineering structures;
- Quantifying influence of uncertainties and/or variabilities in loading and structure properties on the vibration response;
- Developing models for human–human and human–structure interactions;
- Establishing criteria for vibration receivers (such as humans and vibration sensitive facilities).

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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CiteScore - Q2 (Engineering (miscellaneous))

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.8 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).