

Special Issue

Structural Seismic Design and Evaluation

Message from the Guest Editors

This Special Issue will provide a publishing platform for the worldwide community of researchers, in traditional and emerging subdisciplines of the field related to seismic behavior assessment and structural design, to present and discuss recent advancements in this broader field. Topics of particular interest include, but are not limited to, the following topics in:

- Effects of the selection and scaling of strong motions on the seismic response of structures.
- Evaluation of the reliability of concrete and steel structures with energy-dissipating devices.
- Seismic performance and risk analysis of structures.
- Deterministic and probabilistic methods of dynamic analysis in structural engineering.
- Experimental and computational simulation of dynamic effects on structures.
- Seismic behavior and modelling of non-structural elements.
- Quantification of earthquake demand and structural capacity.
- Seismic regulations and building codes.
- Dynamic soil–structure interaction.
- Passive and active systems for earthquake protection.
- Methods for earthquake-resistant design and retrofit of structures.
- Seismic performance of new structural systems.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2025)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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