



an Open Access Journal by MDPI

Structural Seismic Design and Evaluation

Guest Editors:

Prof. Dr. Alfredo Reyes-Salazar

Facultad de Ingeniería,
Universidad Autónoma de
Sinaloa, Calz. De Las Americas
and Blvd. Universitarios S/N,
Ciudad Universitaria, Culiacán de
Rosales 80040, Sinaloa, Mexico

Dr. Federico Valenzuela-Beltrán

Facultad de Ingeniería,
Universidad Autónoma de
Sinaloa, Calz. De Las Americas
and Blvd. Universitarios S/N,
Ciudad Universitaria, Culiacán de
Rosales 80040, Sinaloa, Mexico

Dr. Mario D. Llanes-Tizoc

Facultad de Ingeniería,
Universidad Autónoma de
Sinaloa, Calz. De Las Americas
and Blvd. Universitarios S/N,
Ciudad Universitaria, Culiacán de
Rosales 80040, Sinaloa, Mexico

Deadline for manuscript
submissions:

20 January 2025



mdpi.com/si/147929

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.



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)