Special Issue

Seismic Performance Assessment for Structures

Message from the Guest Editors

This Special Issue is devoted to theoretical, numerical, and experimental research on the safety assessment of structures with respect to seismic excitation. Seismic resistance, ductility capacity, and failure modes are three main issues related to seismic performance assessment. Nonlinear dynamic or static analyses are often employed as numerical approaches for the seismic assessment of structures. In this Special Issue, we invite submissions exploring recent advances in the fields of seismic performance assessment for different structures, including but not limited to buildings or bridges. Both theoretical and experimental studies are welcome, as well as comprehensive review and survey papers. Keywords

- seismic performance assessment
- seismic response
- nonlinear analysis
- response spectrum analysis
- damage analysis
- pushover analysis
- incremental dynamic analysis
- fragility analysis
- sequential seismic excitations

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Deadline for manuscript submissions

closed (20 December 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/94020

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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.

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