Special Issue

Seismic Vulnerability Assessment of Reinforced Concrete and Masonry Structures

Message from the Guest Editors

The seismic vulnerability assessment of the existing building stock for future seismic activities relies on the development of damage prediction models based on experiences from past earthquakes. Typical damage patterns and the derivation of damage grades are derived from earthquake reconnaissance reports or laboratory tests. The Special Issue focuses on reliable damage prognosis for buildings and structures such as masonry (contemporary and historical) and reinforced concrete (frame and wall) buildings, structural elements, engineering structures, etc. It shall support a view on damage scenarios for single buildings as well as building stocks or other engineering structures. The principal objectives of the Special Issue are: seismic vulnerability assessment of buildings, retrofitting and restoration (conservation) of buildings, methods of analysis, detailing rules, interaction phenomena between primary and secondary structural elements, as well as architectural design and detailing.

Guest Editors

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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.

Editor-in-Chief

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