Special Issue

Seismic Resistant Design and **Analysis for Building Structures** and Infrastructure Systems

Message from the Guest Editor

This Special Issue aims to present current research on the evaluation of the seismic behavior/performance of structures such as buildings and infrastructures via numerical and experimental approaches. In addition, applications of seismic risk assessment methodologies for designing structures are also included. The scope of this Special Issue covers advanced computational technologies and numerical models to perform detailed nonlinear static and/or dynamic analyses of realistic structural systems including soil-structure interaction (SSI). Contributions that involve a significant earthquake engineering component are especially welcome.

Example topics of interest include the following:

- Seismic behavior/performance of buildings/infrastructrues through numerical analysis and/or dynamic load tests;
- Evaluation of dynamic soil-structure interaction behavior:
- Seismic risk assessment technology for single/multiple seismic hazards:
- Probabilistic and deterministic methods in earthquake engineering assessments and design:
- Advanced seismic design technology.

Guest Editor

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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 multidimensional network.

Editor-in-Chief

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