Seismic Assessment and Design of Structures

Guest Editor:

Dr. Maria Favvata
Department of Civil Engineering, University of Patras, 26504 Rio, Greece

Deadline for manuscript submissions:
closed (20 June 2022)

Message from the Guest Editor

Dear Colleagues,

The present Special Issue aims to reveal the new advances in seismic engineering for the assessment and the design of structures. This Special Issue is dedicated to presenting current research on the evaluation/verification of the seismic performance of structures through analytical, numerical and experimental approaches and the application of these seismic assessment approaches to the design of structures. Contributions that involve a significant earthquake engineering component are especially welcome.

Example topics of interest include the following:

Nonlinear structural systems and analysis techniques for structural assessment;
Seismic performance of structures under single or multiple seismic hazards;
Probabilistic and deterministic methods in earthquake engineering assessment and design;
Earthquake records for the nonlinear response analysis of structures;
Influence of environmental and operational conditions on structural performance;
Experimental seismic response of structures.

Special Issue

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.

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