Special Issue

Seismic Geotechnical Hazards Studies

Message from the Guest Editor

Safety against earthquake hazards has two aspects: structural safety against potentially destructive dynamic forces and site safety related to geotechnical phenomena such as amplification, landsliding, and soil liquefaction. Thus, the correct evaluation of seismic hazard is highly affected by risk factors due to the geological nature and geotechnical properties of soils. The effects of local geotechnical conditions on damages suffered by buildings under seismic conditions has been widely recognized. The evaluation of local amplification effects may be carried out by means of either rigorous complex methods of analysis or qualitative procedures. Contributions for the Special Issue can include accepted approaches for assessing three kinds of geotechnical phenomena: local ground response, slope instability, and liquefaction. Particularly, zonation for local ground response is a fundamental issue to prevent seismic disasters since, as lessons of past earthquakes teach, local amplification has been a major cause of damage to buildings.

Guest Editor

Dr. Antonio Cavallaro
Italian National Research Council, Institute of Cultural Heritage Sciences, Palazzo Ingrassia, Via Biblioteca, 4, 95124 Catania, Italy

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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

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

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