



Seismic Geotechnical Hazards Studies

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Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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