



What Is Really New in Seismic Response Analysis of Soil Deposits

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Message from the Guest Editors

Dear Colleagues,

This Special Issue focuses on the lessons learned from the seismic monitoring of vertical and horizontal arrays. In particular, the scope is to add knowledge as far as the following aspects of seismic response analysis of soil deposits are concerned: a) influence of the deepness of the bedrock; b) criteria for the identification of the seismic bedrock; c) valley effects; d) the use of true non-linear models incorporating the soil strength; e) the seismic response of liquefiable deposits when liquefaction occurs (influence of soil failure); f) advances in soil dynamic characterization, with special attention to the in situ determination of attenuation parameters.

Of course, the seismic monitoring of strong earthquakes becomes of paramount importance with respect to the above-listed open questions.

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Guest Editors





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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

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