



State-of-Art of Soil Dynamics and Geotechnical Engineering

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Message from the Guest Editor

The ground-motion and soil liquefaction is a leading cause of seismic hazard worldwide. Past damage in geotechnical engineering-related soil dynamics underline the importance of accurate assessments of soil dynamic behaviors. The assessment desired a shared and interdisciplinary reserches involving geotechnical engineers, seismologists, geologists, and geophysicists. State of the art of soil dynamics and geotechnical engineering evaluates these various reserches focusing on those developed within the past few years. The newly theoretical analysis, pritical developments, and recommended strategies could enhance the development of geotechnical engineering. To this purpose, new theories, experimental approaches, and numerical analyses related to the soil dynamic in geotechnical engineering are needed to safety protect and mitigate seismic hazazards.

Keywords:

- soil dynamic
- seismic hazazard
- liquefaction
- geotechnical engineering
- safety protection
- urban development





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Message from the Editor-in-Chief

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