

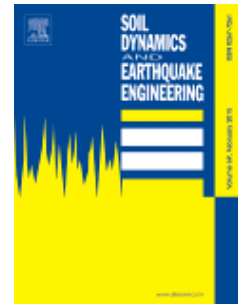


SOIL DYNAMICS AND EARTHQUAKE ENGINEERING

AUTHOR INFORMATION PACK

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DESCRIPTION

The journal aims to encourage and enhance the role of **mechanics** and other disciplines as they relate to **earthquake engineering** by providing opportunities for the publication of the work of applied mathematicians, engineers and other applied scientists involved in solving problems closely related to the field of **earthquake** and **geotechnical engineering**.

Emphasis is placed on new concepts and techniques, but case histories will also be published if they enhance the presentation and understanding of new technical concepts.

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- **Seismology** and geology relevant to earthquake problems.
- **Elastodynamics**: wave propagation and scattering soil and rock dynamics.
- Dynamic constitutive behaviour of **materials**.
- Mathematical methods: system methodology and identification in **soil dynamics** relevant to earthquake phenomena.
- Practical methods.
- Probabilistic methods in: seismology, geotechnical earthquake engineering; risk analysis; earthquake engineering reliability; interaction problems; soil structure interaction and fluid-soil interaction; instrumentation and experimental methods; inelastic and nonlinear problems; finite element analysis in dynamics and elastodynamics; earthquake case histories; tsunamis.

AUDIENCE

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