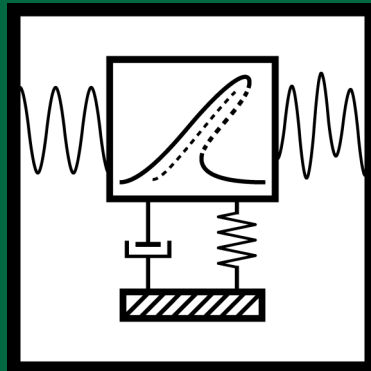


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Journal of Vibroengineering Volume 21, Issue 4 contains papers selected for the Special Issue on Nonlinearity and Numerical Simulation Applications in Geotechnical Engineering.

Geotechnical engineering is closely related to a wide range of engineering disciplines such as Rock, Hydraulic, Road, Railway, Petroleum, and Mining Engineering, dealing with engineering problems on geotechnical properties, ground-structure interaction and dynamic response (impact effect, seismic response, vibratory action, etc.). Relying on fundamental principles of rock, soil and concrete mechanics, Geotechnical engineering underpins the design, construction and operation of all kinds of engineering projects including slopes, dams, retaining walls and shallow, deep foundations, mining, tunneling, etc.

This special issue emphasizes the important roles of nonlinearity and numerical simulation in Geotechnical Engineering, and demonstrates the latest efforts of global researchers.

Aims and Scope

Journal publishes original papers presenting the state of the art in vibroengineering of dynamical systems.

The list of principal topics: Mechanical vibrations and applications; Fault diagnosis based on vibration signal analysis; Vibration generation and control; Seismic engineering and applications; Modal analysis and; Vibration in transportation engineering; Flow induced structural vibrations; Oscillations in engineering; Chaos, nonlinear dynamics and applications; Oscillations in electrical engineering; Acoustics, noise control and engineering applications; Fractional dynamics and applications.

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