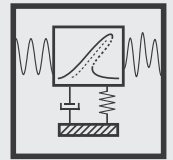


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VP Vibroengineering PROCEEDIA

Vibroengineering PROCEEDIA Volume 50 contains papers presented at the 64th International Conference on Vibroengineering in Trieste, Italy, September 21-22, 2023. The main theme of the Conference is “Vibration Engineering – Problems and Applications”.

Aims and Scope

Journal publishes original papers presenting the state of the art in vibroengineering of dynamical systems. The list of principal topics:

- Measurements in engineering
- Mathematical models in engineering
- Acoustics, noise control and engineering applications
- Mechanical vibrations and applications
- Fault diagnosis based on vibration signal analysis
- Vibration control, generation and harvesting
- Seismic engineering and applications
- Modal analysis and applications
- Vibration in transportation engineering
- Flow induced structural vibrations
- Oscillations in biomedical engineering
- Chaos, non-linear dynamics and applications
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September 21-22, 2023, in Trieste, Italy

The main theme of the conference: **Vibration Engineering – Problems and Applications**

General Topics of the Conference:

- Materials and Measurements in Engineering
- Mathematical Models in Engineering
- Mechanical Vibrations and Applications
- Fault Diagnosis Based on Vibration Signal Analysis
- Vibration Generation and Control
- Seismic Engineering and Applications
- Modal Analysis and Applications
- Vibration in Transportation Engineering
- Flow-induced Structural Vibrations
- Biomechanics and Biomedical Engineering
- Dynamics and Oscillations in Electrical and Electronics Engineering
- System Dynamics in Manufacturing System Modelling
- Dynamics of Smart and Functionally Graded Materials
- Artificial Intelligence Methods Applied in Vibration Diagnostics

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SHORT DESCRIPTION ABOUT THIS CATEGORY

Vibroengineering is an abbreviation of two words: vibration and engineering. Vibration phenomena play an important role in a wide range of mechanical, structural, electromechanical systems. Vibration engineering covers such topics as mechanical vibrations and applications, fault diagnosis based on vibration signal analysis, seismic engineering, acoustics and noise control, energy harvesting and vibration generation.

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