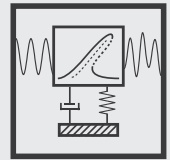


Mechanical Engineering

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# Vibroengineering Procedia



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# VP Vibroengineering PROCEEDIA

Vibroengineering PROCEEDIA Volume 51 contains papers presented at the 65th International Conference on Vibroengineering in Resita, Romania, October 20-21, 2023. The main theme of the Conference is “The Use of Vibrations in Industrial 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
- Oscillations in electrical engineering
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## 65th International Conference on VIBROENGINEERING

October 20-21, 2023, in Resita, Romania

The main theme of the conference: **The Use of Vibrations in Industrial 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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## Contents

### MECHANICAL VIBRATIONS AND APPLICATIONS

**DESIGN PECULIARITIES AND MATHEMATICAL MODEL OF AN ENHANCED  
LOW-FREQUENCY VIBRATORY CAVITATION DEVICE** 1

IVAN AFTANAZIV, VITALIY KORENDIY, OLEKSANDR KACHUR, ORYSIA STROGAN,  
INGA SVIDRAK, ROSTYSLAV STOTSKO

**GENERATING RECTILINEAR, ELLIPTICAL, AND CIRCULAR OSCILLATIONS OF A  
SINGLE-MASS VIBRATORY SYSTEM EQUIPPED WITH AN ENHANCED TWIN CRANK-TYPE  
EXCITER** 8

VITALIY KORENDIY, OLEKSANDR KACHUR, ROSTYSLAV PREDKO,  
OLEH KOTSUMBAS, ROSTYSLAV STOTSKO, MYKOLA OSTASHUK

**AN ANALYSIS FOR SUPPORT LOSS OF MICRO-CANTILEVER BEAM BASED ON PML  
METHOD** 15

GUOLIN LIU, YU ZENG, JINHAO LIU, ZHENG WEI

### FAULT DIAGNOSIS BASED ON VIBRATION SIGNAL ANALYSIS

**CLASSIFICATION OF PRESENT FAULTS IN ROTATING MACHINERY BASED ON TIME AND  
FREQUENCY DOMAIN FEATURE EXTRACTION** 22

ANASTASIJA IGNJATOVSKA, DEJAN SHISHKOVSKI, DAMJAN PECIOSKI

**ASSESSMENT OF CRACKS IN BEAMS USING CHANGES IN THE MEASURED FREQUENCIES  
AND PARTICLE SWARM OPTIMIZATION** 29

HOREA-ADRIAN GREBLA, VASILE CATALIN RUSU, GILBERT-RAINER GILLICH,  
THU HANG BUI

### SEISMIC ENGINEERING AND APPLICATIONS

**PREDICTION OF LIQUEFACTION TIME BASED ON TIME-FREQUENCY DISTRIBUTION OF  
SEISMIC RECORDS** 35

HUA LU, YANXIN YANG, XUDONG ZHAN, ZIYUN LIN

<b>PREDICTION MODEL OF LATERAL SPREADING OF LIQUEFIED SOIL DURING EARTHQUAKES BASED ON NEURAL NETWORK</b>	<b>42</b>
YANXIN YANG, ZIYUN LIN, HUA LU, XUDONG ZHAN	
<b>PROBABILISTIC SEISMIC HAZARD ANALYSIS BASED ON MONTHLY MAXIMUM PGA DISTRIBUTION IN THREE CITIES IN SOUTHWEST CHINA</b>	<b>49</b>
DEZHI FANG, YINFENG DONG, XIAOQUAN XU	
<b>STRUCTURAL SEISMIC RESPONSE PREDICTION BASED ON CONVOLUTIONAL NEURAL NETWORKS</b>	<b>56</b>
FEIYU GUO, YINFENG DONG, HUI TIAN, XINGYU ZHANG, QINGSHUANG SU	
<b>MODAL ANALYSIS AND APPLICATIONS</b>	
<b>STUDY ON VIBRATION CHARACTERISTICS OF STRUCTURAL COMPONENTS BASED ON VIRTUAL REALITY TECHNOLOGY</b>	<b>63</b>
WEI WANG	
<b>FLOW INDUCED STRUCTURAL VIBRATIONS</b>	
<b>A SCIENTOMETRIC RESEARCH AND CRITICAL ANALYSIS OF ROAD-RAIL BRIDGE</b>	<b>69</b>
GANG YAO, LINJUN WU, YANG YANG, YUANLIN ZHENG, BIN QIN, YUXIAO CHEN	
<b>DYNAMICS AND OSCILLATIONS IN ELECTRICAL AND ELECTRONICS ENGINEERING</b>	
<b>SINGLE EVENT TRANSIENT OF SOI FINFET WITH TOTAL IONIZING DOSE IRRADIATION</b>	<b>76</b>
BAOJUN LIU, PING ZHOU, LIANG QIAN	
<b>DESIGN OF CHARGING STATION AND OPTIMIZATION OF OSCILLATION CIRCUITS FOR NEW ENERGY VEHICLES</b>	<b>82</b>
WENJING WANG	
<b>MATERIALS AND MEASUREMENTS IN ENGINEERING</b>	
<b>STUDY ON THE CHANGE RULE OF THERMAL DAMAGE ON THE PROPERTIES OF D-RDX ENERGETIC MATERIALS</b>	<b>88</b>
HONGBIN LI, JIYANG DIAO, PENGANG JIN	
<b>ANALYSIS OF SEALING PERFORMANCE OF COMBINED SEAL STRUCTURE WITH METAL C-RING WITH BUILT-IN SPRING</b>	<b>94</b>
QI HUANG, XUAN LI, JIN ZHU, XIAOJUN ZHOU	
<b>STUDY ON GEOTECHNICAL PERFORMANCE OF HIGH-GRADE HIGHWAY SUBGRADE APPLIED WITH FLY ASH</b>	<b>101</b>
SI WU, KAI WANG, LIPING LI	
<b>NON-LINEAR ANALYSIS OF ECCENTRIC COMPRESSION OF STEEL AND STEEL FIBER REINFORCED HIGH STRENGTH CONCRETE COLUMN</b>	<b>107</b>
ZHE LI, FUCHUN LI, YUHANG ZHAO, SHUAI ZHANG	

<b>SYNTHESIS OF LITHIUM SLAG-BASED ANA ZEOLITE AND MOLECULAR DYNAMICS STUDY OF CARBON DIOXIDE ADSORPTION PERFORMANCE</b>	<b>114</b>
HAIBIN WU, XIAOJING WANG, WEI SU	
<b>FINITE ELEMENT ANALYSIS OF CONCEALED ANGLE STEEL NODE IN PREFABRICATED FRAME BEAMS AND COLUMNS</b>	<b>121</b>
ZHE LI, WEI YUAN, XINGYU CHEN, SHUAI ZHANG	
<b>ENHANCING STATIC LOAD TEST OF PIPE PILE COMPOSITE FOUNDATION WITH INNOVATIVE ELASTIC CUSHIONING TECHNOLOGY</b>	<b>128</b>
FENQIANG XU, YUNLONG YAO, QINGHUI LI, ZHIWEI SHAO, GUISEN WANG	
<b>SIMULATION ANALYSIS OF THERMAL SHOCK RESPONSE OF PIEZOELECTRIC SHOCK WAVE PRESSURE SENSOR</b>	<b>134</b>
XUELIANG GUO, DEREN KONG	
<b>RELIABILITY TESTING AND ASSESSMENT OF A HYDRAULIC CYLINDER FOR PRECISION PRODUCTION</b>	<b>141</b>
YOUQUAN FAN, ZHONGFA WU, WENLIN WANG	
<b>ANALYSIS OF FATIGUE FRACTURE INCIDENT OF CENTRIFUGAL COMPRESSOR BLADES IN A SMALL TURBOJET ENGINE</b>	<b>147</b>
SONGLIN QIAN, WEI GUO, MIN CHEN, KUNLIN LU, LEI ZHANG, YONGXIN WU, FEI WANG	
<b>INVESTIGATION OF TORSION ANGLE MEASUREMENT METHOD IN SPATIAL CABLES OF SUSPENSION BRIDGES</b>	<b>153</b>
GUANGQING XIAO, FUCHENG WU, SHUIDONG CAO, CHENG ZHENG	
<b>ESTIMATING THE FREQUENCIES OF VIBRATION SIGNALS USING A MACHINE LEARNING ALGORITHM WITH EXPLAINED PREDICTIONS</b>	<b>160</b>
DANIELA GIORGIANA BURTEA, GILBERT-RAINER GILLICH, CRISTIAN TUFISI	
<b>DETERMINATION OF PROPER PARAMETERS FOR ULTRASONIC WELDING OF COPPER PLATE WITH COPPER WIRE STRANDS</b>	<b>167</b>
DACIAN ILCA, TIBERIU MANESCU, GILBERT-RAINER GILLICH, ZENO-IOSIF PRAISACH, CRISTIAN TUFISI	
<b>INFLUENCE OF VIBRATION AND ENVIRONMENTAL FACTORS ON A CRIMPED ASSEMBLY RESISTIVITY</b>	<b>173</b>
DRAGOMIR FLORIN, MANESCU TIBERIU, GILBERT-RAINER GILLICH, ZOLTAN-IOSIF KORCA, TUFISI CRISTIAN	
<b>MATHEMATICAL MODELS IN ENGINEERING</b>	
<b>NUMERICAL SIMULATION OF THE PROPAGATION AND DISTRIBUTION OF EXPLOSION SHOCK WAVES IN TRENCHES</b>	<b>179</b>
XIONGWEI ZHENG, LIANGQUAN WANG, CHUNDONG XU	
<b>DAMAGE DETECTION IN VARIABLE TEMPERATURE CONDITIONS USING ARTIFICIAL INTELLIGENCE</b>	<b>186</b>
ALEXANDRA-TEODORA AMAN, CRISTIAN TUFISI, GILBERT-RAINER GILLICH, TIBERIU MANESCU	





## 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.

Every consecutive Volume of Vibroengineering Procedia is dedicated to a separate conference in the series of International Conferences on Vibroengineering.