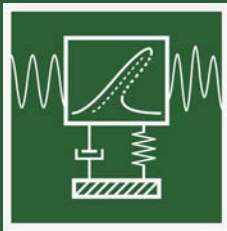


The 35th International Workshop on VIBROENGINEERING

Mexico City, Mexico
November 13-15th, 2018



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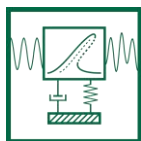
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The 35th International Workshop on VIBROENGINEERING

Vibration, Waves and Acoustics-Engineering Problems and Applications

13-15th November 2018, Mexico City, Mexico



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The 35th International Workshop on VIBROENGINEERING will be held during 13-15th of November 2018 in Mexico City, Mexico. Its purpose is to provide a platform for scientists, engineers and practitioners throughout the world to exchange ideas and present their latest research results in order to further promote the Vibroengineering and its applications to the aerospace, automobile, energy and other industries. The Workshop is organized by **JVE International** with the partnership of **Universidad Nacional Autónoma de México, Universidad Autónoma de Querétaro** and **International Federation for the Promotion of Mechanism and Machine Science (IFTOMM)**.

The main theme of the workshop focuses on (but not limited to):
Vibration, Waves and Acoustics-Engineering Problems and Applications.

General Topics of the Workshop:

- Acoustics, Noise Control and Engineering Applications
- Chaos, Nonlinear Dynamics and Applications
- Fault Diagnosis Based on Vibration Signal Analysis
- Flow Induced Structural Vibrations
- Fractional Dynamics and Applications
- Mechanical Vibrations and Applications
- Modal Analysis and Applications
- Oscillations in Biomedical Engineering
- Oscillations in Electrical Engineering
- Seismic Engineering and Applications
- Vibration Generation and Control
- Vibration in Transportation Engineering

Internationally renowned invited speakers and contributing authors from all over the world will present the latest advances in the area of Vibroengineering. This workshop will feature a broad range of high-level technical presentations including invited distinguished experts. The workshop will provide an opportunity to communicate your recent research advances, exchange ideas in innovative engineering technologies, meet old friends and make new business partners in the area of Vibroengineering. With your participation, this workshop will prove to be an exciting scientific event, a fruitful opportunity to promote scientific research and technological development of Vibroengineering and its applications.

The Workshop Venue is at the main building of Research Institute in Applied Mathematics and Systems (IIMAS). The address is:
Escolar 3000, Ciudad Universitaria,
04510 Ciudad de México, CDMX, Mexico

On behalf of the Organizing Committee, we would like to welcome the delegates to the 35th International Workshop on VIBROENGINEERING. We look forward to meeting you in November 2018 in Mexico.



Chair:

Dr. G. Eduardo Sandoval-Romero Universidad Nacional Autonoma de Mexico, Mexico

Organizing Committee:

V. Babitsky	Loughborough University, UK
M. Bayat	Roudehen Branch, Islamic Azad University, Iran
K. Bousson	University of Beira Interior, Portugal
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G. Song	University of Houston, United States of America
S. Toyama	Tokyo A&T University, Japan
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A. Vakhguel't	Nazarbayev University, Kazakhstan
P. Vasiljev	Vilnius Pedagogical University, Lithuania
V. Veikutis	Lithuanian University of Health Sciences, Lithuania
J. Viba	Riga Technical University, Latvia
V. Volkovas	Kaunas University of Technology, Lithuania
J. Wallaschek	Leibniz University Hannover, Germany
Mao Yuxin	Zhejiang Gongshang University, China



Workshop Program

Day 1: November 13

Location: Entry of IIMAS

14:00-14:30	Greeting of workshop participants and University tour
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Day 2: November 14

Location: IIMAS

10:00-10:30	Registration
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Day 2: November 14

Location: IIMAS

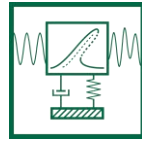
	PLENARY SESSION Session Chairs: Dr. G. Eduardo Sandoval-Romero and Prof. Juan Carlos Jauregui
10:30-10:45	Conference Opening Ceremony
10:45-11:00	Welcome Speech: Minvydas Ragulskis. Vibroengineering – past, present and the future

11:00-11:30	Coffee Break
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Day 2: November 14

Location: IIMAS

	ORAL SESSION Session Chairs: Dr. G. Eduardo Sandoval-Romero and Prof. Juan Carlos Jauregui
11:30-11:45	Guntis Strautmanis. Model of a vertical rotor with an automatic balancer with two compensating masses
11:45-12:00	Indira Inzunza-Aragón. Structural capacity of a wind turbine tower considering fatigue damage over time
12:00-12:15	Marco A. Santos-Santiago. Wind-induced vibration control for buildings equipped with non-linear fluid viscous dampers
12:15-12:30	Abraham Perez-Alonzo. Experimental study of a fiber Bragg grating accelerometer for seismic measurement
12:30-12:45	Jovan E. Basaldúa Sánchez. Seismic propagation in soils with a fluid inclusion



12:45-13:00	Miguel A. Casas-Ramos. Optical accelerometer for seismic measurement
13:00-13:15	Miguel X. Rodríguez-Paz. Beginning of cracking of masonry walls due to vibrating and noise effects of machines
13:15-13:30	Van Liem Nguyen. Study on the influence of bus suspension parameters on ride comfort
13:30-13:45	HaiTao Hua. Optimal design of carbon fiber collapsible hinge for space application
13:45-13:00	Le Van Quynh. Study on the influence of bus suspension parameters on ride comfort
14:00-14:15	Van Liem Nguyen. Enhancing the ride comfort of the off-road vibratory roller cab by adding damper hydraulic mount
14:15-14:30	Jun Ye Li. Deviation analysis of rotational inertia measurement based on torsion bar method
14:30-14:45	Chen Guangyuan. Development of an automatic pulling mechanism of probe plug in marine eXpendable BathyThermograph launching system
14:45-15:00	Yong Huang. Design of Traffic Coordination Control Structure Based on Multi-Agent

Day 3: November 15

	City Tour
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Workshop Location

Workshop will be held in the main building of Research Institute in Applied Mathematics and Systems (IIMAS). The address is:

Escolar 3000, Ciudad Universitaria,
 04510 Ciudad de México, CDMX, Mexico

Workshop Partners:



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