

THE PROGRAMME OF THE SYMPOSIUM**9-13 MAY 2016****Monday 9 May**

16:00-18:00 Reception of participants

18:00 Supper

Tuesday 10 May

8:00-9:00 Breakfast

9:00-9:30 Official opening of the symposium

9:30-10:15 Plenary session

Jan Awrejcewicz *Non-linear Vibrations of Structural Members*

10:15-10.45 Coffee break

Scientific session 1

10:50-11:10 Mateusz Jakubowski, Paweł Fritzkowski *A New Tool for Topological Optimization of a Rotor for Vertical Axis Wind Turbines*11:10-11:30 Roman Lewandowski *Approximate Method for Determination of Dynamic Characteristics of Structures with Viscoelastic Dampers*11:30-11:50 Konrad Jarosz, Ireneusz Czajka, Andrzej Gołaś *Implementation of Ffowcs Williams and Hawkings Aeroacoustic Analogy in OpenFOAM*11:50-12:10 Wojciech Łapka *Numerical Analysis of Pressure Drop and Acoustic Attenuation Performance of Two Helicoidal Resonators Arranged in Parallel Ducts with Different Rotation Angles*12:10-12:30 Comsol *Noise & Vibrations Modelling with COMSOL Multiphysics*

13:00-14:00 Dinner

Scientific session 2

14:10-14:30 Zbigniew Dąbrowski, Bogumił Chiliński *Influence of Torsional-Bending Coupling on Transverse Vibration of Piston Engine*14:30-14:50 Robert Konowrocki, Tomasz Szolc *An Analysis of The Self-Excited Torsional Vibrations of The Electromechanical Drive System*14:50-15:10 Maciej Michajłow, Robert Konowrocki, Tomasz Szolc *A Semi-Active Control of Lateral Vibrations of The Overhung Rotor Using Dampers with The Magneto-Rheological Fluid*15:10-15:30 Łukasz Domagalski *An Analytical-Numerical Approach to Analysis of Large Amplitude Vibrations of Slender Periodic Beams*

15:30-16:00 Coffee break

Scientific session 3

16:00-16:20 Jakub Marczak, Jarosław Jędrzyński *Vibrations of Periodic Sandwich Plates with Inert Core*16:20-16:40 Marcin Szczepański, Wojciech Migda, Robert Jankowski *Timber-Frame House Resistant to Dynamic Loads - Analysis of Wall Panel Filled with Polyurethane Foam*16:40-17:00 Andrzej Urbaś, Stanclik Grzegorz, Kłosiński Jacek, Harlecki Andrzej *Dynamics Analysis of A Truck-Mounted Crane with Lugre Friction Model in The Joints*17:00-17:20 Michał Niełacny, Wiesław Barnat *Experimental Validation of The 3D Dynamic Unicycle-Unicyclist Model*

17:20-17:40 B&K

18:00 Bonfire party

Wednesday 11 May		
8:00-9:00	Breakfast	
9:30-10:15	Plenary session	
	Cezary Rzymkowski	<i>Selected Aspects of The Experimental Methods of Impact Biomechanics</i>
10:15-10.45	Coffee break	
	Scientific session 4	
10:50-11:10	Leszek Kwapisz, Artur Maurin, Piotr Jakubowski	<i>Numerical Modelling of Sound Transmission Through The Window Type Partition</i>
11:10-11:30	Andrzej Mitura, Krzysztof Kecik	<i>Influences of System Parameters on Energy Harvesting From Autoparametric Absorber. Numerical Research.</i>
11:30-11:50	Andrzej Mitura, Krzysztof Kecik	<i>Influences of System Parameters on Energy Harvesting From Autoparametric Absorber. Experimental Research.</i>
11:50-12:10	Marian W. Dobry	<i>Energy Analysis of A Mechanical System with A Dynamic Vibration Absorber</i>
12:10-12:30	ENVIBRA	
13:00-14:00	Dinner	
	Scientific session 5	
14:10-14:30	Danuta Sado, Jan Freundlich, Anna Dudanowicz	<i>The Dynamics of A Coupled Mechanical System with Spherical Pendulum</i>
14:30-14:50	Dariusz Grzelczyk, Bartosz Stańczyk, Jan Awrejcewicz	<i>Estimation of the Contact Forces Between the Hexapod Legs and the Ground During Walking in the Tripod Gait</i>
14:50-15:10	Stanisław Strzelecki	<i>Effect of The Sleeve Profile on The Stability of Rotor Operating in Multilobe Journal Bearings</i>
15:10-15:30	EC TEST SYSTEMS	
15:30-16:00	Coffee break	
	Poster session	
16:00-17:00		
18:00	Banquet	
Thursday 12 May		
8:00-9:00	Breakfast	
9:30-10:15	Plenary session	
	Wiesław Staszewski	<i>Structural Damage Detection Using Non-Classical Vibro-Acoustic Approaches</i>
10:15-10.45	Coffee break	
	Scientific session 6	
10:50-11:10	Janusz Szmidla, Anna Jurczyńska	<i>Free Vibrations of Non-prismatic Slender System Subjected to the Follower Force Directed Towards the Positive Pole</i>
11:10-11:30	Janusz Szmidla, Ilona Cieślińska-Gąsior	<i>Free Vibrations of Geometrically Nonlinear Column Locally Resting on The Winkler Elastic Foundation Under the Specific Load</i>
11:30-11:50	Erik V. Jansson, Roman Barczewski, Andrzej Kabała	<i>On the Violin Bridge Hill – Comparison of Experimental Testing and FEM</i>
11:50-12:10	Wojciech Sochacki, Marta Bold	<i>Transverse and Longitudinal Damped Vibrations of Hydraulic Cylinder in A Mining Prop</i>
12:15-13:00	Dinner	
13:10-17:00	Excursion to Rogalin Palace	
18:00-19:00	Supper	

Friday 13 May		
8:00-9:00	Breakfast	
	Scientific session 7	
9:30-9:50	Tomasz Hermann, Marian W. Dobry	<i>Power Distribution in Anti-Vibration Gloves</i>
9:50-10:10	Marian W. Dobry, Tomasz Hermann	<i>Differences in Power Distribution in Subsystems Of Human - Anti-Vibration Glove - Tool System</i>
10:10-10:30	Mirosław Bocian, Jerzy Kaleta, Daniel Lewandowski, Michał Przybylski	<i>Impact Absorption System Based on MRE with Halbach Array</i>
10:30-10:50	Krzysztof Kuliński, Jacek Przybylski	<i>Non-Linear Vibrations of A Non-Uniform Beam with Symmetrically Located Piezoelectric Patches</i>
11:00	CLOSING	
12:00-13:00	Dinner	