

CONTENT

Diana Anghelache, Silviu Nastac – Advances on Noise and Vibration Protection at Technological Equipments	7
Igor Babiak, Anna Danihelová, Martin Čulík – Excitation Frequency By Impulse Method And Tuning The Xylophone Bars	8
Martin Čulík – Influence of Spruce Wood and Bracing Construction on the Tone Quality of Acoustical Guitars Top Plates	9
Martin Čulík – Black Elder Wood for the Slovak Folk Wind Musical Instruments Making	10
Miroslav Danihel – Glued Connection Properties and Evaluation on Acoustical Quality of Musical Instruments	11
Anna Danihelová – Wood Characteristics and Acoustics Quality of Musical Instruments	12
Anna Danihelová, Rastislav Klačanský, Stanislav Košúth, Miroslav Němec – Design of Omni Directional Sound Source	13
Anna Danihelová, Ivan Makovíny, Stanislav Košúth – Elastic Characteristics of Wood Composite Materials	14
Radoslav Darula, Stanislav Žiaran – On Oil Viscosity Influence of Vibro–Acoustic Signal Strength	15
Marián Flimel – Problematic of Acoustics Warning Signals Accidental Influence in Exterior Environment	16
Julius T. Fricke, Hans–Elias de Bree, André Siegel, Hans–Peter Schade – Source Localization with Acoustic Vector Sensors	17
R.N. Galimov, V.G. Makaryan, N.E. Molevich, D.P. Porfiriev, D.I. Zavershinsky – Acoustical Perturbations in Media With EXOTHERMIC Chemical Reactions	18
Vladimír Hájek – Using LAN–XI for Sound and Vibration Measurements	19
Hunyadi Dora – Traffic Noise Annoyance in Budapest, Hungary	20
Karel Irmann – Logarithmic Presentation of Musical Interval in Bach’s tuning	21
Martin Jedovnický, Monika Rychtáriková, Gerrit Vermeir – Determination of the Context Related Sound Level in an Urban Public Place by Using a Sound–Masking Procedure	22
Peter Kičák – Frequency and Dynamics Analysis of Bass Tone of Cajon Box Drum	23
Miroslav Němec – Experiments in Education of Acoustics	24
M. Nouby, K. Srinivasan – Finite Element Analysis of Disc Brake Squeal Suppression Approach	25

Michal Pec, Pawel Strumillo – Principal Component Analysis for Head–Related Transfer Function Low–Order Filter Design	26
Ana Picu – An Investigation on the Human Sensation Induced by Wheel Hand Arm Vibration and Seat Whole–body Vibration using Single Axis and Triaxial Methods – A Study using the Steven’s Power Law	27
Ana Picu, Silviu Nastac – Advanced Simulations of Human Protective Devices Against Technological Vibrations	28
Vitor Rosão, Eusébio Conceição, Lucia Házyóvá – Method to Determine the Speed of Vehicles by Means of Noise Levels Variation	29
Robert Ruiz, Philippe Plantin De Hugues, Claude Legros – Voice Analysis as a Significant Parameter of Car Driver’s Fatigue	30
Monika Rychtáriková, Gerrit Vermeir – Room Acoustical Simulations for Experiments on Front–Back Localization of Sound Sources	31
Konca Saher, Noel Hill – Key Issues in the Design OF EDUCATIONAL Buildings	32
Bart Sarens, Osamu Matsuda, Jozefien Goossens, Loic Martinez, Christ Glorieux – Non–Destructive Testing of Materials by Linear and Nonlinear Acoustic Method	33
Anatoli Stulov, Dmitri Kartofelev – Piano Hammer–String Interaction: the Influence of the Elastic Parameters of Bass Hammers on the Contact Time Duration	34
Ján Svoreň, Lukáš Murín – The Effect of The Shape of The Compensating Slots in The Body of a Circular Saw Blade on Noise Level of a Circular Saws in the Cutting Process	35
Peter Tomašovič, Dušan Dlhý – Nepriezvučnosť Obvodovej Konštrukcie pri Alternatívnom Riešení Transparentných Prvkov	37
Roman Trojanowski, Jerzy Wiciak – Plate Vibration Control Using Piezoelectric Transducers And The LabView Software	38
Jozef Zajac, Daniel Szabó – Stavebné Meranie Vzduchovej Nepriezvučnosti Stropnej Konštrukcie	39
Gennadi Zaslavski – Discrimination of The Temporal Order of Brief Tone Pulses with Different Carrier Frequencies by a Bottlenose Dolphin	40
Stanislav Žiaran – Transmission of the Low Frequency Noise from Boilers–Rooms to Residence	41