Pre-nominated Session SM25

Structural vibrations

Co-Chair(s): **I. Blekhman (Russia)**
K. Popp (Germany)

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SM25L_10166	Extreme Value Distribution and Dynamic Reliability of Stochastic Structures	Jianbing Chen, Jie Li
SM25L_10408	Experimental Study of Nonlinear Energy Pumping	D. Michael McFarland, Lawrence A. Bergman, Alexander F. Vakakis
SM25L_10470	Nonlinear Vibrations of Jeffcott Rotor with Preloaded Snubber Ring	Evgueni E. Karpenko, Marian Wiercigroch, Ekaterina Pavlovskaia
SM25S_10656	Non - Linear Stochastic Vibration Problems for the Plates with Time - Dependent Parameters	Victor Z. Gristchak, Valentin V. Lysenko
SM25S_10750	A Multi - Step Transversal Linearization Method in Nonlinear Dynamics	Debasish Roy
SM25L_10863	Equivalent Stochastic Linearization as an Alternative to Solving the Fokker - Planck Equation	Stephen H. Crandall
SM25L_11055	Nonlinear Effects, Observed in the Process of the Liquid Flowing Out of the Vibrating Vessels: Theory, Experiment and Applications	I. I. Blekhman, L. I. Blekhman, L. A. Vaisberg, V. B. Vasilkov, K. S. Yakimova
SM25S_11066	Propagation Analysis of Flexural Waves by Wavelet Transform	Akihiko Higashi, Fumihiro Mizuguchi
SM25S_11079	Bifurcations of Damped Nonlinear Normal Modes: Linear Oscillator with Strongly Nonlinead Attachment	Oleg V. Gendelman
SM25L_11082	Effect of Root Flexibility on the Aeroelastic Analysis of a Composite Wing Box	Gamal M. Ashawesh, Ali M. Elmabrok, Tarek A. Abdunabi, Alakrami A. Nakas
SM25L_11246	Reanalysis of an SEA High - Frequency Vibration Calculation Based on the VTCR	Herve Riou, Pierre Ladeveze

SM25L_11261	Active Control of Disk Brake Sqeal	Utz von Wagner, Daniel Hochlenert, Peter Hagedorn
SM25L_11273	Experimental and Theoretical Modal Analysis of Three Support Rotor Test Rig Using LMS CADA-X and ABAQUS	Marcin Luczak
SM25S_11338	Stability of a Rotor with Periodically Varying Angular Velocity	J. P. Meijaard
SM25S_11384	Paradoxical Behaviour of Vibrating Systems Challenging Rayleigh's Theorem	Tibor Tarnai
SM25S_11494	Imperfection Sensitivity of Circular Arch's Non - Linear Modes	Carlos E. N. Mazzilli, Odulpho G. P. Baracho Neto, Mario E. S. Soares, Cesar T. Sanches
SM25S_11536	Optimal Shapes of Parametrically Excited Beams	Alexei A. Mailybaev, Hiroshi Yabuno, Hiroyuki Kaneko
SM25S_11679	Non Trivial Effect of Strong High - Frequency Excitation on a Nonlinear Controlled System	Alexander Fidlin, Jon J. Thomsen
SM25S_11699	An Aproach to Worm - Like Motion	Klaus Zimmermann, Igor Zeidis, Joachim Steigenberger, Mikhail Pivovarov
SM25S_11712	Dynamics of a Rotor Rolling Along a Circular Surface	Alla D. Firsova
SM25S_11716	The New Statement of Problem of Unbalance Identification	Yuri L. Mehshikov, Nikolaj V. Polyakov
SM25S_11719	Vibrorheology: Main Results, New Problems	Iliya Blekhman, Ekaterina Shishkina
SM25S_11759	Nonlinear Vibrations of Gear Drives	Vladimir Zeman, Miroslav Byrtus, Michal Hajzman
SM25L_11783	Passive Vibration Control of a Piecewise Linear Beam System	Rob H. B. Fey, Joris H. Bonsel, Henk Nijmeijer
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