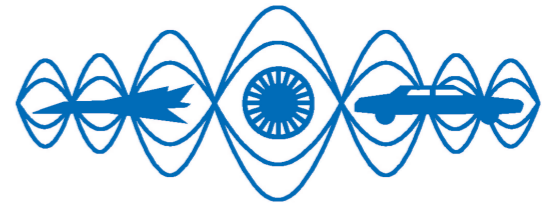


International Journal of Acoustics and Vibration



- Dynamic Stability Analysis of a Circularly Tapered Rotating Beam Subjected to Axial Pulsating Load and Thermal Gradient under Various Boundary Conditions
- Method for Evaluating the Statistical Relationship between Sound Pressure Level and Noise Annoyance Based on a Nonlinear Time Series Regression Model and an Experiment
- Multi-objective Optimization of a Multi-chamber Perforated Muffler Using an Approximate Model and Genetic Algorithm
- Developing Vibration Equations of an Orthotropic Wrapped Shell, Considering Residual Stress Effects; A Mathematical Approach
- Vibration Analysis of Cracked Beams Using Adomian Decomposition Method and Non-Baseline Damage Detection via High-Pass Filters
- Vibration Analysis of Non-homogenous Orthotropic Visco-elastic Rectangular Plate of Parabolically Varying Thickness with Thermal Effect
- Characterisation of Major Fault Detection Features and Techniques for the Condition-Based Monitoring of High-speed Centrifugal Blowers
- Experimental and Theoretical Approach to Generalized Empirical Data-based Model of Noise in Ceiling Fan
- An Investigation of Initial Shock Cell Formation in Turbulent Coanda Wall Jets
- Geometrically Nonlinear Free Axisymmetric Vibrations Analysis of Thin Circular Functionally Graded Plates Using Iterative and Explicit Analytical Solution
- Two-Temperature Generalized Thermoelastic Infinite Medium with Cylindrical Cavity Subjected To Time Exponentially Decaying Laser Pulse

June 2016

Volume 21, Number 2

A Quarterly Publication of the IIAV



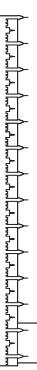
24th INTERNATIONAL CONGRESS
ON SOUND AND VIBRATION

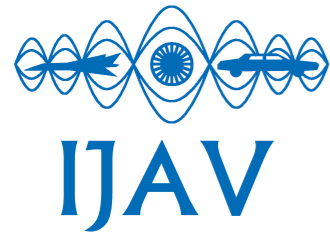
23-27 July 2017, London

ICSV24

23-27 JULY 2017

LONDON CALLING





International Journal of Acoustics and Vibration

The International Refereed Journal of the International Institute of Acoustics and Vibration (IIAV)
Indexed and abstracted in Science Citation Index Expanded and Scopus

EDITOR-IN-CHIEF Malcolm J. Crocker

Department of Mechanical Engineering
Auburn University
1418 Wiggins Hall, Auburn, AL 36849, USA
Telephone: +1 334 844 3248
Fax: +1 334 844 3306
E-mail: ijav@eng.auburn.edu

ASSOCIATE EDITOR – Book Reviews Zhuang Li

E-mail: Li.Zhuang.yuxie@gmail.com

ASSOCIATE EDITOR Nickolay Ivanov

E-mail: noise@mail.rcm.ru

EDITORIAL ASSISTANT Jill Glover Roberts Macie Franklin

E-mail: vibrate@auburn.edu

MANAGING EDITOR Marek Pawelczyk

Institute of Automatic Control
Silesian University of Technology
ul. Akademicka 16, 44-100 Gliwice, POLAND
Telephone: +48 32 237 2398
Fax: +48 32 237 2127
E-mail: Marek.Pawelczyk@polsl.pl

ASSOCIATE EDITOR Dariusz Bismor

E-mail: Dariusz.Bismor@polsl.pl

ASSISTANT EDITORS Teresa Glowka Sebastian Kurczyk Karol Jablonski

IJAV WEBSITE www.iiav.org/ijav

The **International Journal of Acoustics and Vibration** is the refereed journal of the International Institute of Acoustics and Vibration (IIAV). The IIAV is a non-profit international scientific society founded in 1995. The primary objective of the Institute is to advance the science of acoustics and vibration by creating an international organisation that is responsive to the needs of scientists and engineers concerned with the acoustics and vibration problems all around the world.

Manuscripts of articles and technical notes should be submitted for review electronically in PDF format to the Editor-in-Chief. The full paper handling process is carried out electronically using the IJAV website at www.iiav.org/ijav — more details can be found on the journal website. Manuscripts are refereed by at least two referees and are reviewed by the Editor-in-Chief before acceptance. On acceptance, revised articles, brief biographies, and photographs of all authors should be submitted to the Managing Editor using the IJAV website. Manuscripts of the articles must be prepared in strict accordance with the author instructions. No honorarium is paid for articles.

All information concerning subscription, new books, journals, conferences, etc. should be submitted to the Editor-in-Chief.

Starting in March 2016, IJAV became an open access journal published electronically.

The journal and all articles and illustrations published herein are protected by copyright. No part of this journal may be translated, reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, microfilming, recording or otherwise, without written the permission of the publisher.

The International Institute of Acoustics and Vibration (IIAV) and the UK's Institute of Acoustics are pleased to invite scientists and engineers from all over the world to attend the 24th International Congress on Sound and Vibration (ICSV24) to be held in London from 23 – 27 July 2017.

This congress is a leading event in the area of acoustics and vibration and provides an important opportunity for scientists and engineers to share their latest research results and exchange ideas on theories, technologies and applications in these fields. The congress will feature a broad range of high-level technical papers from across the world: distinguished plenary lectures will present recent developments in important topics of sound and vibration and include discussions about future trends.

Exhibition and sponsorship

An extensive exhibition of sound and vibration measurement instrumentation, equipment and noise and vibration control technologies will be featured. Delegates will have easy access to the exhibition, refreshments and lunch will be available in the exhibition hall. There will also be opportunities for sponsorship. The full details will be available on the ICSV website.

The congress venue: Park Plaza Westminster Bridge Hotel, London

Art meets design in the grand Park Plaza Westminster Bridge Hotel. Boasting views across the River Thames, this hotel offers the perfect location for the ICSV24 congress with easy access to all the sights that London has to offer. The hotel is situated on the vibrant South Bank in the heart of London, an eclectic area buzzing with festivals, exhibitions, film and theatre, and is within easy walking distance of the city's most iconic attractions, including Big Ben, the Houses of Parliament, the London Eye and the London Aquarium.

We are looking forward to meeting you in London. www.icsv24.org

