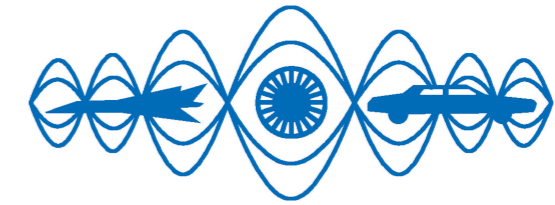


# International Journal of Acoustics and Vibration



- **The Effect of Coaxial Ring Masses with Different Contact Areas, Mass, and Distribution on Membrane-Type Acoustical Metamaterials' Transmission Loss**
- **Tool Condition Monitoring in Turning Using Statistical Parameters of Vibration Signal**
- **Nonlinear Transverse Vibrations of a Slightly Curved Beam resting on Multiple Springs**
- **Topology Optimization of a Constrained Layer Damping Plate Coupled with an Acoustical Cavity**
- **Direct Drive Valve Model for Use as an Acoustic Source in a Network Model**
- **Free Vibration Behaviour of Fiber Metal Laminates, Hybrid Composites, and Functionally Graded Beams using Finite Element Analysis**
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- **Stability Control of Linear and Nonlinear Dynamic Systems**
- **Backtracking Search Optimization Algorithm and its Application to Roller Bearing Fault Diagnosis**
- **Vibroacoustic Models of Air-Core Reactors**
- **Detection and Contribution of Outliers for Subjective Evaluation of Sound**
- **Implementation of a Boundary Element Method for High Frequency Scattering by Convex Polygons with Impedance Boundary Conditions**
- **Changes to the Vibration Response of a Model Power Transformer with Faults**
- **Sound Absorption in the Low Audible Frequency Range of Microfibrous Polyethylene-C Thin Films**

December 2016

Volume 21, Number 4



## 24th INTERNATIONAL CONGRESS ON SOUND AND VIBRATION

23–27 July 2017, London

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.

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University of Cambridge, UK

Jens Blauert Emeritus professor, Ruhr-Universität  
Bochum, Germany  
*Reading the World with Two Ears*

Eric J Heller Professor, Physics and Chemistry,  
Harvard University USA  
*The Miracle of Resonance and Formants*

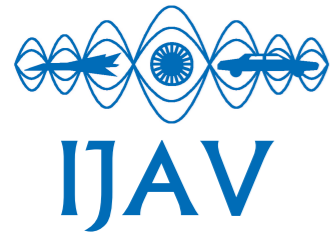
Haiyan Hu Professor, President and Vice Chairman  
of the University Council, Beijing Institute of  
Technology, China  
*Advances in Flutter Analysis and Control of  
Aircraft Structures*

Timothy Leighton Professor, Engineering and the  
Environment, University of Southampton, UK  
*Climate Change, Dolphins, Spaceships and  
Antimicrobial Resistance – the Impact of  
Bubble Acoustics*

Andrei Metrikine Professor, Civil Engineering  
& Geoscience, Delft University of Technology,  
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*Nonlinear Dynamics of Offshore Structures Subject to  
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Jérémie Voix Dr, Research Chair in Ear Technologies,  
École de technologie supérieure, Canada  
*The Ear Beyond Hearing*

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# International Journal of Acoustics and Vibration

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