



22nd Biennial Conference on Mechanical Vibration and Noise (VIB)

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Description

The *22nd Biennial Conference on Mechanical Vibration and Noise (VIB)* is an integral part of the *2009 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences (2009 IDETC/CIE)* and will take place at the San Diego Convention Center, in San Diego, California, from August 30-September 2, 2009. This Conference is sponsored by the Technical Committee on Vibration and Sound, which is an integral part of the [ASME Design Engineering Division](#). This event is the theme of the odd-year IDETC and premier international meeting in the fields of Vibration and Noise Engineering. The conferences will also include plenary sessions, keynote lectures, and tutorials on different topics related to engineering design. Papers are solicited in the areas of dynamics, vibration, acoustics and control.

Objectives

Authors and presenters are invited to participate in this event to expand international cooperation, understanding and promotion of efforts and disciplines in the area of 21st Biennial Conference on Mechanical Vibration and Noise (VIB). Dissemination of knowledge by presenting research results, new developments, and novel concepts in *22nd Biennial Conference on Mechanical Vibration and Noise (VIB)* will serve as the foundation upon which the conference program of this area will be developed.

Likely topics include but are not limited to:

- [Active, Passive and Hybrid Vibration and Noise Control](#)
- [Vibration and Control of Continuous Systems](#)
- [Nonlinear Phenomena in Wave Propagation and Acoustics](#)
- [Dynamics of Band-Gap Materials and Structures](#)
- [Nonlinear Dynamics, Optimization and Reliability of Mechanical Systems](#)
- [Experimental Nonlinear Dynamics](#)
- [Nonlinear Dynamic Characterization and System Identification](#)
- [Nonlinear System Identification and Reduced Order Modeling](#)
- [Coupling Experimental-Based and Analytical Linear/Nonlinear Dynamic Models](#)
- [Smart Material Systems](#)
- [Model Identification and Intelligent Systems](#)
- [Damage Detection, Model Updating and System Identification of Mechanical Systems](#)
- [Engineering Asset Management](#)
- [Applications of Vibration and Acoustics in Biomedical Engineering](#)
- [Linear and Nonlinear Bio-Dynamics](#)
- [Modeling, Vibration and Control of Rotor Systems](#)
- [Rotor Dynamics: Nonlinear Analysis, Control & Diagnostics](#)
- [Engine and Powertrain Dynamics](#)
- [Modeling, Analysis and Characterization of the Dynamics of MEMS and NEMS](#)
- [Vibration Damping Treatments](#)
- [Vibrations and Controls of Manufacturing Systems](#)
- [Micro/Nano Vibration-based Sensors and Energy Scavengers](#)

All papers will be reviewed and, if accepted, will be published in the conference proceedings on CD-ROM. For further information, contact the organizers of the conference:

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