

Nonlinear Vibrations and Control of Structures

Symposium of the 20th ASME Biennial Conference on Mechanical
Vibration and Noise

Long Beach, California, September 25-28, 2005

Call for Papers

The Technical Program Committee is sponsoring a symposium on *Nonlinear Vibrations and Control of Structures* on the occasion of the 20th ASME Biennial Conference on Mechanical Vibration and Noise in Long Beach, California.

Papers are solicited in all areas related to theoretical, experimental, symbolic, and computational aspects of dynamics, vibrations, and control of nonlinear mechanical and structural systems. Topics may include (but not limited to): stability, bifurcations, and chaotic motions in general structural and mechanical systems and, more specifically, in beams, arches, cables, plates and shells; dynamics and vibrations under stationary dynamic loadings; approximate techniques for determining steady-state responses of discrete as well as infinite-dimensional systems; nonlinear modeling of infinite-dimensional systems; control of nonlinear and chaotic oscillations, including resonance-cancellation techniques. Experimental investigations, nonlinear dynamical system approaches to data analysis and interpretation, and comparisons with analytical predictions are especially welcome.

Interested authors are requested to submit three copies of the full paper to one of the organizers listed below. All papers will be reviewed and, if accepted, will be published on the Conference CD-ROM. The important dates and deadlines are:

Manuscript due (three copies): January 30, 2005

Notification of decision on acceptance of paper: March 30, 2005

Final camera-ready manuscripts due: April 30, 2005.

Symposium Organizers

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