

Call for Papers

Symposium on Nonlinear Fluid-Structure Interactions

The Technical Committee on Vibration and Sound (TCVS) of the ASME is organizing a mini-symposium on *Nonlinear Fluid-Structure Interactions* (FSI) at the upcoming ASME International 20-th Biennial Conference on Mechanical Vibration and Noise (VIB) for IDETC 2005, Hyatt Regency Long Beach Hotel, Long Beach, California, September 25-28, 2005.

This mini-symposium will provide a forum for the discussion of the dynamics of fluid structural systems relevant to classical and emerging technologies, and focusing on nonlinear phenomena at both the micro- and the macro-scale. All papers will be peer-reviewed, and upon acceptance, they will be published in the Conference proceedings. Papers are sought in the general area of nonlinear fluid structural systems including, but not limited to: nonlinear modeling and system identification techniques in fluid structure interactions, flow induced vibrations in pipes, cables, panels, rotorcraft blade dynamics, turbine blade vibration, moving boundary problems, nonlinear coupled fluid-structure simulations. Numerical and experimental papers are equally welcome.

Selection of Papers

Authors should submit two copies of an abstract of maximum two pages to Prof. Epureanu at the coordinates below. Acceptance is based on a peer review of the full paper.

Milestone Dates

Abstracts due: November 15, 2005

Authors notified of acceptance: December 15, 2004

Draft papers due: January 15, 2005

Authors notified of acceptance: March 15, 2005

Camera-ready copy due: May 1, 2005

Organizer

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