

## **CALL FOR PAPERS**

# Symposium on **Global Nonlinear Dynamics and Stability of Lumped and Continuous Systems**

*7th ASME International Conference on  
Multibody Systems, Nonlinear Dynamics and Control*

to be held in conjunction with the  
**ASME 2009 International Design Engineering Technical Conferences**  
at the  
**San Diego Convention Center, San Diego, California**  
**August 30 – September 2, 2009**

The aim of this symposium is to gather specialists of different areas working on the analysis of global dynamics of lumped and continuous systems. Global bifurcations has an undeniable influence on the behavior of several systems in applied sciences and engineering. They are particularly important in problems involving dynamic instability phenomena. Topics of interest include, but are not limited to, global bifurcations, evolution, erosion and stratification of basins of attraction, influence of global bifurcations on the integrity of structural systems, basin boundary topology, multi-well systems, dynamic instability, random bifurcations and basins of attraction, reduced-order modeling and its application in global dynamics, numerical methods for the analysis of global bifurcations, influence of global dynamics on control, including control of chaos, and modern asymptotic methods in global dynamics. Papers are solicited in all areas related to theoretical, computational and experimental aspects of the problem.

Papers must be submitted electronically in a pdf format as described in the IDETC 2009 web site at <http://www.asmeconferences.org/IDETC09/> before **February 6, 2009**. All manuscripts will be reviewed and, if accepted, the associated technical paper will be published in the conference proceedings on CD-ROM. For more information about the conference, please contact:

**Prof. Paulo Batista Goncalves**  
Civil Engineering Department  
Pontifical Catholic University of Rio de  
Janeiro,  
CEP 22453-900, Rio de Janeiro, Brazil  
Email: [Brasil-paulo@civ.puc.br](mailto:Brasil-paulo@civ.puc.br)

**Prof. José Manoel Balthazar**  
Dept. of Mechanical Engineering  
Universidade Estadual Paulista - Rio Claro  
Rio Claro, Brazil  
Email: [jmbaltha@rc.unesp.br](mailto:jmbaltha@rc.unesp.br)