

ASME Journal of Computational and Nonlinear Dynamics (JCND)

August 2011

Purpose and Scope: The purpose of the Journal of Computational and Nonlinear Dynamics (JCND) is to provide a medium for rapid dissemination of original research results in theoretical as well as applied computational and nonlinear dynamics. The journal serves as a forum for the exchange of new ideas and applications in computational, rigid and flexible multi-body system dynamics and all aspects (analytical, numerical, and experimental) of dynamics associated with nonlinear systems. The broad scope of the journal encompasses all computational and nonlinear problems occurring in aeronautical, biological, electrical, mechanical, physical, and structural systems.

Current Status: JCND was established in 2005 and is sponsored by the ASME Technical Committee on Multibody Systems and Nonlinear Dynamics (MSND). JCND is published quarterly in January, April, July and October. Number of pages allocated is 550 pages.

Impact Factor JCND was included in the Journal Citation Reports (JCR) in 2009. The 2009 Impact Factor was 0.557. The 2010 Impact Factor is 0.571.

Competition:

1. *Nonlinear Dynamics*, Springer Publication
2. *International Journal of Nonlinear Mechanics*, Elsevier Publication
3. *Communications in Nonlinear Science and Numerical Simulation*, Elsevier Publication

Special Issues: **Computational Multibody Dynamics**, Edited by Dan Negrut & Olivier Bauchau, July 2010.

Computational Bio-Mechanics, Edited by Ahmed Al-Jumaily, planned for 2011.

Railroad Vehicle Dynamics, Edited by Jose Escalona, Tae-Won Park, and Khaled Zaazaa, planned for 2012.

Flexible Multibody System Dynamics, Edited by Johannes Grestmayr, Aki Mikkola, and Hiroyuki Sugiyama, planned for 2013.

Current Associate, Guest, and Special Editors and Area of Expertise

Associate Editor	Affiliation	Area	Term
Eric A. Butcher	University of New Mexico	Nonlinear Dynamics	1 01/01/2011 - 01/01/2014
José L. Escalona	University of Seville	Multibody Systems/Nonlinear Dynamics	1 07/01/2011 - 07/01/2014
Henryk Flashner	University of Southern California	Nonlinear Dynamics	2 01/15/2011 - 01/15/2014
Javier Garcia de Jalon	Universidad Politecnica de Madrid	Multibody Systems	1 07/01/2011 - 07/01/2014
Claude-Henri Lamarque	ENTPE, Lyon, France	Nonlinear Dynamics	2 07/01/2009 - 07/01/2012
Stefano Lenci	Polytechnic University of Marche in Ancona	Nonlinear Dynamics	1 01/01/2011 - 01/01/2014
Carmen M. Lilley	University of Illinois at Chicago	Linear and Nonlinear Vibrations	1 07/01/2011 - 07/01/2014
Albert C.J. Luo	Southern Illinois University	Nonlinear Dynamics	2 07/01/2009 - 07/01/2012
Aki Mikkola	Lappeenranta University of Technology, Finland	Multibody Systems	2 07/01/2009 - 07/01/2012
Parviz Nikravesh	University of Arizona	Multibody Systems	1 07/01/2011 - 07/01/2014
Tae-Won Park	Ajou University	Multibody Systems	1 07/01/2011 - 07/01/2014
Dane Quinn	The University of Akron	Nonlinear Dynamics	1 01/01/2011 - 01/01/2014
Arend L. Schwab	Delft University of Technology	Multibody Systems/Nonlinear Dynamics	1 07/01/2011 - 07/01/2014
Nobuyuki Shimizu	Iwaki Meisei University, Japan	Multibody Systems/Nonlinear Dynamics	2 07/01/2009 - 07/01/2012
Dr. Yoshiaki Terumichi	Sophia University, Japan	Multibody Systems	1 07/01/2011 - 07/01/2014
Ahmet S. Yigit	Kuwait University, Kuwait	Dynamics and Vibration	1 01/01/2011 - 01/01/2014
Khaled E. Zaazaa	ENSCO, Inc.	Multibody Systems/Railroad Vehicles	1 07/01/2011 - 07/01/2014
Ahmed Al-Jumaily	Auckland University of Technology, New Zealand	Bio-Mechanics (Guest Editor)	1 06/01/2011 - 06/01/2012

Summary of Activities

Papers Submitted (01/01/2011 – 08/03/2011)	122
Acceptance Rate	25%
Submission to Decision	7.6 months
Submission to Publication	15.9 months

Paper Submitted by Country (08/01/2010 – 07/31/2011)

Country	Paper Submitted
Unknown	32
Austria	1
Brazil	2
Cameroon	1
Canada	6
China	33
Egypt	1
France	1
France (Metro)	1
Germany	3
India	13
Iran	12
Italy	1
Japan	5
Jordan	2
Malaysia	1
Mexico	1
Portugal	1
Romania	1
Serbia	2
Spain	2
Taiwan	1
Turkey	4
United Kingdom	2
United States	25

Report prepared by

Ahmed A. Shabana
Editor, ASME Journal of Computational and Nonlinear Dynamics
University of Illinois at Chicago
August 2011