

ASME Journal of Computational and Nonlinear Dynamics (JCND)

July 2012

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 was increased from 550 to 700 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, the 2011 Impact factor is 0.827.

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 and Aki Mikkola, postponed.

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

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

Current Associate Editors and Area of Expertise

Current Associate Editors

Name	Institution/Company	Area	Period	Term
Eric A. Butcher	New Mexico State University	Nonlinear Dynamics	01 Jan 11 To 01 Jan 14	1
José L. Escalona	University of Seville	Multibody Dynamics	01 Jul 11 To 01 Jul 14	1
Henryk Flashner	University of Southern California	Nonlinear Dyanamics	15 Jan 11 To 15 Jan 14	2
Javier Garcia de Jalon	Universidad Politecnica de Madrid	Multibody Dynamics	01 Jul 11 To 01 Jul 14	1
Jozsef Kovecses	McGill Universit	Multibody Dynamics	01 Oct 11 To 01 Oct 14	1
Claude-Henri Lamarque	ENTPE, Lyon, France	Nonlinear Dynamics	01 Jul 09 To 01 Jul 12 (Extended to 01 Nov 12)	2
Stefano Lenci	Polytechnic University of Marche	Nonlinear Dynamics	01 Jan 11 To 01 Jan 14	1
Carmen M. Lilley	University of Illinois at Chicago	Vibration	01 Jul 11 To 01 Jul 14	1
J. A. Tenreiro Machado	Institute of Engineering of the Polytechnic Institute of Porto	Nonlinear Dynamics/Fractional Derivatives	01 Oct 11 To 01 Oct 14	2
Aki Mikkola	Lappeenranta University of Technology	Multibody Dynamics	01 Jul 09 To 01 Jul 12 (Extended to 01 Jul 13)	2
Dan Negrut	University of Wisconsin	Multibody Dynamics	01 Oct 11 To 01 Oct 14	1
Parviz Nikravesh	University of Arizona	Multibody Dynamics	01 Jul 11 To 01 Jul 14	1
Tae-Won Park	Ajou University	Multibody Dynamics	01 Jul 11 To 01 Jul 14	1
D. Dane Quinn	Department of Mechanical Engineering	Nonlinear Dynamics	01 Jan 11 To 01 Jan 14	1
Arend L. Schwab	Delft University of Technology	Nonlinear Dynamics/Multibody Dynamics	01 Jul 11 To 01 Jul 14	1
Yoshiaki Terumichi	Sophia University	Vehicle Dynamics	01 Jul 11 To 01 Jul 14	1
Hiroshi Yabuno	Keio University	Nonlinear Dynamics	01 Oct 11 To 01 Oct 14	1
Ahmet S. Yigit	Kuwait University	Vibration	01 Jan 11 To 01 Jan 14	1
Khaled E. Zaazaa	ENSCO, Inc.	Vehicle and Multibody Dynamics	01 Jul 11 To 01 Jul 14	1

Summary of Activities

Papers Submitted in 2011	246
Acceptance Rate	33%
Submission to Decision	3.94 months
Submission to Publication	unavailable

Paper Submitted by Country in 2011

Country	Number Of Submission
Unknown	33
Australia	1
Austria	3
Brazil	3
Canada	2
China	41
Egypt	1
Finland	1
France	1
France (Metro)	1
Germany	7
India	21
Iran	18
Italy	10
Japan	2
Jordan	2
Korea (Republic)	7
Mexico	1
Netherlands	4
Nigeria	3
Pakistan	1
Poland	1
Portugal	7
Romania	2
Russia	2
Serbia	2
Spain	8
Sweden	2
Switzerland	2
Taiwan	1
Thailand	1
Turkey	8
United Kingdom	3
United States	43
Viet Nam	1

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