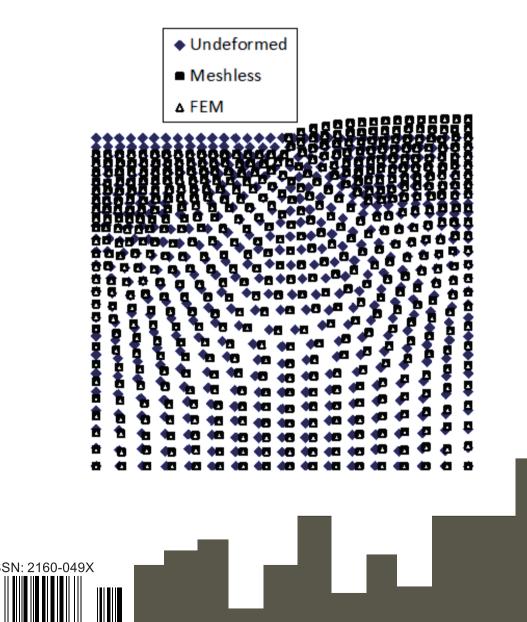
9



World Journal of Mechanics



www.scirp.org/journal/wjm

Journal Editorial Board

ISSN 2160-049X (Print) ISSN 2160-0503 (Online)

http://www.scirp.org/journal/wjm

Editors-in-Chief

Prof. Dan Mateescu Prof. Kumar K. Tamma McGill University, Canada University of Minnesota, USA

Editorial Board (According to Alphabet)

Prof. Ramesh K. Agarwal	Washington University in St. Louis, USA	
Prof. Nurullah Arslan	Fatih University, Turkey	
Dr. Tommaso Astarita	University of Naples, Italy	
Prof. Jan Awrejcewicz	The Technical University of Lodz, Poland	
Prof. Joao Bernardo Lares Moreira de Campos	The University of Porto, Portugal	
Prof. Ismail Celik	West Virginia University, USA	
Prof. Jin-Rae Cho	Pusan National University, South Korea	
Prof. Hua-Shu Dou	Zhejiang Sci-Tech University, China	
Prof. Igor Emri	California Institute of Technology, USA	
Prof. Victor A. Eremeyev	Martin Luther University of Halle-Wittenberg, Germany	
Dr. Xiaosheng Gao	The University of Akron, USA	
Dr. Sachin Goyal	Emory University, USA	
Prof. Nguyen Dang Hung	University of Liege, Belgium	
Prof. Ilya G. Kaplan	National Autonomous University of Mexico, Mexico	
Dr. Semih Kucukarslan	Istanbul Technical University, Turkey	
Prof. Anjan Kundu	Saha Institute of Nuclear Physics, India	
Prof. Tadeusz Lagoda	Opole University of Technology, Poland	
Prof. Sanboh Lee	National Tsing Hua University, Chinese Taipei	
Prof. Xiaodong Li	University of South Carolina, USA	
Prof. Giulio Lorenzini	University of Parma, Italy	
Prof. Antonio Ferreira Miguel	University of Evora, Portugal	
Dr. Rostand Moutou-Pitti	Blaise Pascal University, France	
Dr. Rafael Pacheco	Arizona State University, USA	
Prof. Christopher G. Provatidis	National Technical University of Athens, Greece	
Prof. Richard Saurel	Aix Marseille University, France	
Prof. Fulin Shang	Xi'an Jiaotong University, China	
Prof. David SK. Ting	University of Windsor, Canada	
Prof. Qiang Xue	Civil and Hydraulic Engineering and Information Technology Research	
	Center, Chinese Taipei	
Prof. Ruey-Jen Yang	National Cheng Kung University, Chinese Taipei	
Prof. Duyi Ye	Zhejiang University, China	



TABLE OF CONTENTS

Volume 2	Number 6	December 2012
New Consiste	ent Numerical Modelling of a Travelling Accelerating Conce	entrated Mass
B. Dyniewicz	z, C. I. Bajer	
Dynamic Per	rformance Research on Reversing Valve of Hydraulic Break	ter
G. P. Yang, Y	Y. B. Chen, B. Chen	
Free Vibration by DTM	on Analysis of Functionally Graded Beams with General Ela	astically End Constraints
N. Wattanasa	akulpong, V. Ungbhakorn	
On the Moda Conditions	al and Non-Modal Model Reduction of Metallic Structures w	vith Variable Boundary
W. Witteveer	en	
A Time Histo	ory Method for Analysing Operational Piping Vibrations	
S. Saha		
Stability Con	ntrol of Stretch-Twist-Fold Flow by Using Numerical Metho	ds s
S. U. D. Khai	ın, Y. L. Shu, S. U. D. Khan	
Elastoplastic]	Large Deformation Using Meshless Integral Method	
J. F. Ma, X.	J. Xin	
Effects of Res	esidual Stress on the Hydro-Elastic Vibration of Circular Dia	aphragm
J. F. Zhao, S.	. Yu	

The figure on the front cover is from the article published in World Journal of Mechanics, 2012, Vol. 2, No. 6, pp. 339-360 by Jianfeng Ma and X. J. Xin.

World Journal of Mechanics (WJM)

Journal Information

SUBSCRIPTIONS

The World Journal of Mechanics (Online at Scientific Research Publishing, www.SciRP.org) is published bimonthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA. E-mail: sub@scirp.org

COPYRIGHT

Copyright©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

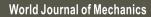
Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assumes no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact: E-mail: wjm@scirp.org







World Journal of Mechanics (WJM)

ISSN 2160-049X (Print) ISSN 2160-0503 (Online) http://www.scirp.org/journal/wjm

World Journal of Mechanics (WJM) is an international peer-reviewed journal dedicated to presenting the English original research studies, reviews in the general field of mechanics including the mechanics of solids, structures and fluids and their interaction.

Subject Coverage

This journal invites original research and review papers that address the following issues. Topics of interest include, but are not limited to:

- Applied Mathematics and Mechanics
- Biomechanics and Modeling in Mechanobiology
- Celestial Mechanics and Dynamical Astronomy
- Classical and Quantum Aspects of Mechanics
- Computational Mechanics
- Computer Methods in Applied Mechanics and Engineering
- Continuum Mechanics and Thermodynamics
- Damage Mechanics
- Dynamics and Vibration Control
- Elasticity and Plasticity
- Engineering Fracture Mechanics
- Environmental Fluid Mechanics
- Experimental Mechanics
- Fluid Mechanics and Aerodynamics
- Mathematical Fluid Mechanics
- Mathematics and Mechanics of Solids
- Mechanical Behavior of Biomedical Materials
- Mechanical Engineering Science
- Mechanical Systems and Signal Processing
- Mechanics & Astronomy

- Mechanics and Materials in Design
- Mechanics in Medicine and Biology
- Mechanics of Materials
- Mechanics of Time-Dependent Materials
- Microfluidics
- Micromechanics and Microengineering
- Multi-Scale Mechanics
- Nanomechanics
- Non-Linear Mechanics
- Non-Newtonian Fluid Mechanics
- Numerical and Analytical Methods in Geomechanics
- Probabilistic Engineering Mechanics
- Rock Mechanics and Mining Sciences
- Solid and Structural Mechanics
 - Statistical Mechanics and its Applications
 - Terramechanics
 - Theoretical and Applied Fracture Mechanics
 - Thermophysics and Aeromechanics
 - Thin Film Mechanics
 - Viscoelasticity

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of World Journal of Mechanics.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

http://www.scirp.org/journal/wjm E-mail: wjm@scirp.org