

دوره 17

شماره 05



ماهنامه علمی و پژوهشی

شابن: 6476-6909

مهندسی مکانیک مدرس

مرداد 1396

مهندسی مکانیک مدرس

Modares Mechanical Engineering



Scientific Research Monthly Journal

Modares Mechanical Engineering

ISSN: 2476-6909

July 2017

این شماره: 49 مقاله در 450 صفحه

17
05

This Issue: 49 Articles 450 pages

The Journal of **Modares Mechanical Engineering** is a multi-disciplinary, peer-reviewed journal covering all areas in mechanical engineering in Persian language with English abstract. The mission of the journal is to publish high quality work from experimental, theoretical, and computational investigations on mechanical engineering. This journal is published in 12 issues per year. All articles published by journal are made accessible online immediately upon publication, without subscription charges or registration barriers. More details can be found at: <http://mme.modares.ac.ir>.

EDITOR-IN-CHIEF Prof. Mehdi Maerefat Department of Mechanical Engineering, Tarbiat Modares University, Tehran, Iran			EDITOR-IN-CHARGE Prof. Gholamhossein Liaghat Department of Mechanical Engineering, Tarbiat Modares University, Tehran, Iran		
EDITORIAL BOARD Prof. Gholamhossein Liaght Tarbiat Modares University, Tehran, Iran			Prof. Mehdi Maerefat Tarbiat Modares University, Tehran, Iran		
Prof. Ali Akbar Moosavian K.N. Toosi University, Tehran, Iran			Prof. Kiumars Mazaheri Tarbiat Modares University, Tehran, Iran		
Dr. Nader Narimanzadeh University of Guilan, Guilan, Iran			Prof. Hasan Moslemi Naeni Tarbiat Modares University, Tehran, Iran		
Prof. Mahmoud Mehrdad Shokrieh Iran University of Science and Technology, Tehran, Iran			Prof. Khosro Naderan Tahan Shahid Chamran University, Ahvaz, Iran		
ASSOCIATE EDITORS Dr. Mohammad Mahdi Agheli Tarbiat Modares University Tehran, Iran			Dr. Alireza Alipoor Shahid Chamran University, Ahvaz, Iran		
Dr. Saber Azizi Shiravani Orooomiyeh University of Technology, Orooomiyeh, Iran			Dr. Masoud Ebrahimi Kordestan University, Kordestan, Iran		
Dr. Majid Eshagh Nimvari Amol University of Special Modern Technologies, Amol, Iran			Dr. Mohammad Mehdi Heyhat Tarbiat Modares University, Tehran, Iran		
Dr. Ali jamali University of Gilan, Gilan, Iran			Dr. Mohammad Reza Karafi Tarbiat Modares University, Tehran, Iran		
Prof. Mehdi Maerefat Tarbiat Modares University, Tehran, Iran			Dr. Seyed Yaser Mahmoodi Larimi University of Cambridge Cambridge, U.K.		
Prof. Nader Narimanzadeh University of Guilan, Guilan, Iran			Dr. Amin Nikoobin University of Semnan, Semnan, Iran		
Dr. Hadi Pashdarshahri Tarbiat Modares University, Tehran, Iran			Dr. Mohammad Hossein Pol University of Tafresh, Arak, Iran		
Dr. Mostafa Sefidgar Islamic Azad University, Pardis Branch Pardis, Iran			Dr. Seyed Modammad Seied Kashi University of Birjand, Birjand, Iran		
Dr. Hamed Ahmadi Tarbiat Modares University, Tehran, Iran			Dr. Masoud Ebrahimi Kachooyi Tarbiat Modares University, Tehran, Iran		
Dr. Gholamreza Imani Khalij Fars University, Booshehr, Iran			Dr. Pejman Kazempour General Electric Global Research Oklahoma City, USA		
Prof. Khosro Naderan Tahan Shahid Chamran University, Ahvaz, Iran			Prof. Farhang Honarvar K. N. Toosi University of Technology Tehran, Iran		
Dr. Mohammad Ali Sanjari Iran University of Medical Science, Tehran, Iran			Dr. Seyed Alireza Zolfaghari University of Birjand, Birjand, Iran		

AIM AND SCOPE

The aim of the Journal of Modares Mechanical Engineering is to provide an area for the publication and dissemination of original work that contributes to the understanding of the main and related disciplines of mechanical engineering. It focuses on both analytical and experimental research, with an emphasis on contributions which increase the basic understanding in Mechanical Engineering and their application to engineering problems. The Journal covers the whole spectrum of mechanical engineering, which includes, but is not limited to, Thermal Engineering and Fluids Engineering, Aerospace engineering, Production Engineering, Dynamics, Vibration, Control, Materials and Design Engineering. Manuscripts may fall into several categories including original research articles, reviews, research notes and technical notes related to the core of mechanical engineering. It is hoped that this journal will prove to be an important factor in raising the standards of discussion, analyses, and evaluations relating to mechanical engineering. All manuscripts with significant research results in the areas of Mechanical Engineering and their application are welcome.

TOPIC INCLUDED

Aerospace Structures	Compressible Flow	Fluids Machines	Mechatronics	Reaction & Multi-Species Flow
Analysis & Selection of Materials	Control	Fuel Cell	Mesh-less Numerical Methods	Robotic
Analytical Methods	Creep	Gas Dynamics	Metal Forming	Solar Energy & Radiation
Automation	Damage Mechanics	Heat & Mass Transfer	Micro & Nano Systems	Sonic Flow
Biomechanics	Dynamics	Hydraulic and Pneumatic Systems	Mould & Tool Design	Stress Analysis
Casting	Elasticity & Plasticity	Impact Mechanics	Non Destructive Test	Thermal Comfort
Computational Fluid Dynamic (CFD)	Energy in Buildings	Industrial Manufacturing	Non-Newtonian Fluid Mechanics	Thermal Power Plant
Characterization	Energy Systems Management	Instrumentation	Numerical Control Machines	Thermodynamics
Kinematics & Mechanisms	Environment	Internal Combustion Engine	Plumbing & Air Conditioning	Turbulence
Combined Heat & Power Systems	Experimental Fluid Mechanics	Lattice-Boltzmann Method	Porous Media	Two & Multi Phase Flow
Combustion	Fatigue & Failure	Manufacturing Methods	Pressure Vessel	Vibration
Composites	Finite Elements Method	Marine Structures	Production Methods	Welding

Published monthly by Tarbiat Modares University.
Publishes Research papers in Mechanical Engineering in Persian Language with English Abstract

Phone & Fax: +98 21 82883983
E-mail: mtej@modares.ac.ir
ISSN: 1027-5940
P.O. BOX: 14115-143, Tehran, Iran.

This Journal is indexed in the followings:
www.magiran.com
www.sid.ir
www.isc.gov.ir