



Journal of Measurements in Engineering

Editor in Chief

Minvydas Ragulskis Kaunas University of Technology, (Lithuania) minvydas.ragulskis@ktu.lt

Editorial Board

Kouzou Abdellah Ziane Achour University of Djelfa, (Algeria) kouzouabdellah@ieec.org
Hojjat Adeli The Ohio State University, (USA) adeli.1@osu.edu
Hemant Agrawal Central Mine Planning and Design Institute Limited, (India) hemant.ism@gmail.com
Tahir Cetin Akinci Istanbul Technical University, (Turkey) cetinakinci@hotmail.com
Mahmoud Bayat Roudehen Branch, Islamic Azad University, (Iran) mbayat14@yahoo.com
Algimantas Bubulis Kaunas University of Technology, (Lithuania) algimantas.bubulis@ktu.lt
Rafał Burdzik Silesian University of Technology, (Poland) rafal.burdzik@polsl.pl
Maosen Cao Hohai University, (China) cmszhy@hhu.edu.cn
Sezgin Ersoy Marmara University, (Turkey) ersoy@marmara.edu.tr
W. H. Hsieh National Formosa University, (Taiwan) allen@nfu.edu.tw
Vassilis Kappatos Center for Research and Technology Hellas, (Greece) vkappatos@certh.gr
Rymantas Kazys Kaunas University of Technology, (Lithuania) rymantas.kazys@ktu.lt
Mohammad Nadeem Khan Majmaah University, (Saudi Arabia) mn.khan@mu.edu.sa
Giedrius Laukaitis Kaunas University of Technology, (Lithuania) giedrius.laukaitis@ktu.lt
Wenyi Liu Jiangsu Normal University, (China) liuwenyi@jnsu.edu.cn
Guang-qing Lu School of Intelligent Systems Science and Engineering, Jinan University, (China) tgqluyp@jnu.edu.cn
Yuxin Mao Zhejiang Gongshang University, (China) maoyuxin@zjgsu.edu.cn
Vytautas Ostasevičius Kaunas University of Technology, (Lithuania) vytautas.ostasevicius@ktu.lt
Doina Pisla Technical University of Cluj-Napoca, (Romania) doina.pisla@mep.utcluj.ro
Kazimieras Ragulskis Lithuanian Academy of Sciences, (Lithuania) k.ragulskis@jve.lt
Vinayak Ranjan Bennett University, (India) vinayak.ranjan@bennett.edu.in
Julia Irene Real Politechnical University of Valencia, (Spain) jureaher@tra.upv.es
Alessandro Ruggiero University of Salerno, (Italy) ruggiero@unisa.it
G. Eduardo Sandoval-Romero The National Autonomous University of Mexico, (Mexico) eduardo.sandoval@ccadet.unam.mx
Serhat Seker Istanbul Technical University, (Turkey) sekers@itu.edu.tr
Junyou Shi Beihang University, (China) shijy@buaa.edu.cn
Shigeki Toyama Tokyo A&T University, (Japan) toyama@cc.tuat.ac.jp
Nicolò Vaiana University of Naples Federico II, (Italy) nicolovaiana@outlook.it
Dong Wang Shanghai Jiao Tong University, (China) dongwang4-c@my.cityu.edu.hk

JME Journal of Measurements in Engineering

Aims and Scope

JME publishes articles describing contributions in the general field of measurements in/and engineering applications.

JME welcomes theoretical papers aimed at winning further understanding of fundamentals of measurements and associated technologies, including, but not restricted to, general principles of measurement and instrumentation, sensors and systems modelling, data acquisition, processing, and evaluation.

JME covers practical aspects and applications with contributions on measurement technology and engineering applications, including, but not restricted to, non-destructive measurement of vibrations, thermal, acoustic, optical and laser-based measurement of engineering systems in nano, micro and macro scales.

All published papers are peer reviewed and crosschecked by plagiarism detection tools.

More information is available online <https://www.extrica.com/journal/jme>

The journal material is referred:

Clarivate Analytics:

Emerging Sources Citation Index (ESCI)

Scopus: ELSEVIER Bibliographic Database

EI Compendex: ELSEVIER Bibliographic Database

EBSCO: Academic Search Complete

Computers & Applied Sciences Complete

Central & Eastern European Academic Source

Current Abstracts

TOC Premier

Gale Cengage Learning:

Academic OneFile Custom Periodical

Science in Context

Inspec: OCLC. The Database for Physics, Electronics and Computing

Directory of Open Access Journals (DOAJ): <https://doaj.org>

Semantic Scholar: <https://www.semanticscholar.org>

Google Scholar: <https://scholar.google.com>

JGate: <https://jgateplus.com>

CORE: <https://core.ac.uk>

BASE (Bielefeld Academic Search Engine): <https://www.base-search.net>

Ulrich's Periodicals Directory: <https://ulrichsweb.serialssolutions.com>

CNKI Scholar: <http://eng.scholar.cnki.net>

cnpLINKer (CNPIEC): <http://cnplinker.cnpeak.com>

JournalTOCs: <https://www.journaltoCs.ac.uk>

WorldCat Discovery Services: <https://www.oclc.org/en/worldcat-discovery.html>

MyScienceWork: <https://www.mysciencework.com>

Crossref: <https://www.crossref.org>

COPE: <https://publicationethics.org>

Internet: <https://www.extrica.com>

E-mail: publish@extrica.com

Publisher: JVE International Ltd., Geliu ratas 15A, LT-50282, Kaunas, Lithuania

Contents

THE RELATIVE MERITS OF SEDIMENT TRANSPORT FORMULAS APPLIED TO THE NAKDONG ESTUARY, KOREA USING A COUPLED NUMERICAL MODELING SYSTEM SUKZUN YOUN, CHANGHWAN JANG	54
FORECASTING RAINFALL AND POTENTIAL FOR REPEATED EVENTS TO PREDICT FLOOD AREAS IN BANTEN PROVINCE, INDONESIA YAYAT RUHIAT	68
EXPERIMENTAL STUDY ON THE EFFECT OF PARTICLE GRADATION ON DEWATERING PERFORMANCE OF GEOTUBES WANSHENG WANG, XIAOLEI MAN, WANGLIN LI, XIA XUE, XIAOMIN TENG	81
STRUCTURAL MECHANICS ANALYSIS OF BOLT JOINT OF RIGID FLEXIBLE COUPLING MANIPULATOR WENHUI ZHANG, ZHI WEN, YANGFAN YE, SHUHUA ZHOU	93



JVE INTERNATIONAL