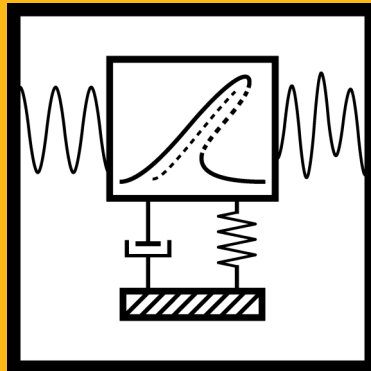


December 2015, Volume 3, Issue 4
Pages (93-144), NoP (75-80)
ISSN Print 2335-2124
ISSN Online 2424-4635

JME

Journal of
Measurements in
Engineering



Editor in chief

K. Ragulskis Lithuanian Academy of Sciences, (Lithuania) k.ragulskis@jve.lt,
ragulskis.jve@gmail.com

Managing Editor

M. Ragulskis Kaunas University of Technology,
JVE International, (Lithuania) minvydas.ragulskis@ktu.lt
m.ragulsis@jve.lt

Editorial Board

T. C. Akinci Kirklareli University, (Turkey) cetinakinci@hotmail.com

S. V. Augutis Kaunas University of Technology, (Lithuania) vyngantas.augutis@ktu.lt

R. Bansevicius Kaunas University of Technology, (Lithuania) ramutis.bansevicus@ktu.lt

M. Bayat Tarbiat Modares University, (Iran) mbayat14@yahoo.com

R. Burdzik Silesian University of Technology, (Poland) rafal.burdzik@polsl.pl

M. S. Cao Hohai University, (China) cmszhy@hhu.edu.cn

Lu Chen Beihang University, (China) luchen@buaa.edu.cn

S. Ersoy Marmara University, (Turkey) sersoy@marmara.edu.tr

H. C. Eun Kangwon National University, (Korea) heechang@kangwon.ac.kr

W. H. Hsieh National Formosa University, (Taiwan) allen@nfu.edu.tw

Li Jun Adv. Inst. of Science and Engg. Information, (China) lijun@aiseiac.org

V. Kaminskas Vytautas Magnus University, (Lithuania) v.kaminskas@if.vdu.lt

S. Kaušinis Kaunas University of Technology, (Lithuania) saulius.kausinis@ktu.lt

A. Kasparaitis Vilnius Gediminas Technical University, (Lithuania) albinas.kasparaitis@vgtu.lt

R. Kažys Kaunas University of Technology, (Lithuania) rymantas.kazys@ktu.lt

V. Klyuev Association Spektr – Group, (Russia) v.klyuev@spektr.ru

G. Laukaitis Kaunas University of Technology, (Lithuania) giedrius.laukaitis@ktu.lt

V. Lyalin Izhevsk State Technical University, (Russia) velyalin@mail.ru

R. Maskeliūnas Vilnius Gediminas Technical University, (Lithuania) rimas.maskeliunas@vgtu.lt

V. Ostasevičius Kaunas University of Technology, (Lithuania) vytautas.ostasevicus@ktu.lt

D. Pislă Technical University of Cluj-Napoca, (Romania) doina.pisla@mep.utcluj.ro

L. Qiu Nanjing University of Aeronautics and Astronautics, (China) lei.qiu@nuaa.edu.cn

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

S. Rakheja Concordia University, (Canada) subhash.rakheja@concordia.ca

J. I. Real Technical University of Valencia, (Spain) jureaher@tra.upv.es

S. Seker Istanbul Technical University, (Turkey) sekers@itu.edu.tr

A. El Sinawi The Petroleum Institute, (United Arab Emirates) aelsinawi@pi.ac.ae

G. Song University of Houston, (USA) gsong@uh.edu

B. Spruogis Vilnius Gediminas Technical University, (Lithuania) bronislovas.spruogis@vgtu.lt

S. Toyama Tokyo A&T University, (Japan) toyama@cc.tuat.ac.jp

D. Wang City University of Hong Kong, (China) dongwang4-c@my.cityu.edu.hk

Mao Yuxin Zhejiang Gongshang University, (China) maoyuxin@zjgsu.edu.cn

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.

General Requirements

The authors must ensure that the paper presents an original unpublished work which is not under consideration for publication elsewhere.

The following structure of the manuscript is recommended: abstract, keywords, nomenclature, introduction, main text, results, conclusions and references. Manuscript should be single-spaced, one column 162×240 mm format, using Microsoft Word 2007 or higher. Margins: top 10 mm, bottom 10 mm, left 15 mm, right 10 mm, header 4 mm, footer 7 mm.

Font: Times New Roman. Title of the article 16 pt Bold, authors name 10 pt Bold, title of the institution 9 pt Regular, equations and text 10 pt Regular, indexes 5 pt Regular, all symbols Italic, vectors Bold, numbers Regular. Paragraph first line indentation 5 mm. Equations are to be written with Microsoft Office 2007 or higher Equation Tool.

Heading of the table starts with table number 9 pt Bold as “**Table 1.**”, then further text 9 pt Regular. Table itself 9 pt Regular.

Figure caption starts with figure number 9 pt Bold as “**Fig. 1.**”, then further text 9 pt Regular. Figure itself must be a single or grouped graphical item.

Tables and figures are placed after the paragraph in which they are first referenced.

List of references: reference number and authors 9 pt Bold, further information 9 pt Regular:

- [1] **Pain H. J.** The Physics of Vibrations and Waves. Chichester: John Wiley and Sons, 2005.
[2] **Juška V., Svilainis L., Dumbrava V.** Analysis of piezomotor driver for laser beam deflection. Journal of Vibroengineering, Vol. 11, Issue 1, 2009, p. 17-26.

The authors are responsible for the correctness of the English language.

The authors are expected to cover partial costs of publication in JME.

JME annual subscription fees: 60 EUR (individual); 120 EUR (institutional).

The journal material is referred:

EBSCO: Academic Search Complete;
Computers & Applied Sciences Complete;
Central & Eastern European Academic Source;
Current Abstracts;
TOC Premier.

GALE Cengage Learning: Academic OneFile Custom Periodical.

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

VINITI: All-Russian Institute of Scientific and Technical Information.

Internet: <http://www.jvejournal.com>; <http://www.jve.lt>

E-mail: m.ragulskis@jve.lt; ragulskis.jve@gmail.com

Address: Geliu ratas 15A, LT-50282, Kaunas, Lithuania

Publisher: JVE International Ltd.

JMME Journal of Measurements in Engineering

DECEMBER 2015. VOLUME 3, ISSUE 4, PAGES (93-144), NUMBERS OF PUBLICATIONS FROM 75 TO 80.
ISSN PRINT 2335-2124, ISSN ONLINE 2424-4635

Contents

- | | | |
|-----|---|-----|
| 75. | AUTOMATED DIAGNOSTIC SYSTEMS | 93 |
| | RYSZARD MICHALSKI, JAROSŁAW GONERA, MICHAŁ JANULIN | |
| 76. | A-SITE ACCEPTOR DOPED LaNbO_4 THIN FILM FORMATION AND STRUCTURAL INVESTIGATION | 105 |
| | KRISTINA BOCKUTE, DARIUS VIRBUKAS, GIEDRIUS LAUKAITIS | |
| 77. | EXPERIMENTAL INVESTIGATION OF UNBALANCE AND MISALIGNMENT IN ROTOR BEARING SYSTEM USING ORDER ANALYSIS | 114 |
| | S. P. MOGAL, D. I. LALWANI | |
| 78. | DESIGN OF THE TESTING SYSTEM FOR SOLID PROPELLANT ROCKET MOTOR THRUST MEASUREMENTS USING MATHEMATICAL MODELLING TECHNIQUES | 123 |
| | ALGIMANTAS FEDARAVIČIUS, SAULIUS RAČKAUSKAS, ARVYDAS SURVILA, LAIMA PATAŠIENĖ | |
| 79. | INDEPENDENT GRASPING SCHEME OF SPACE-SERVICING-ORIENTED DEXTEROUS HAND | 132 |
| | ZHUANG PENG, JINBAO CHEN, CHEN WANG, MENG CHEN | |
| 80. | SELECTION OF NUMBER OF GAPS IN SUPERIMPOSED MOIRÉ MEASUREMENTS | 138 |
| | R. MASKELIŪNAS, K. RAGULSKIS, P. PAŠKEVIČIUS, A. PAULIUKAS, L. RAGULSKIS | |

