

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The authors must ensure that the paper presents an original unpublished work which is not under consideration for publication elsewhere.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

CROSSREF: <http://www.crossref.org>

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.

JME

Journal of Measurements in Engineering

SEPTEMBER 2016. VOLUME 4, ISSUE 3, PAGES (122-194), NUMBERS OF PUBLICATIONS FROM 96 TO 105.
ISSN PRINT 2335-2124, ISSN ONLINE 2424-4635

Contents

96. ACOUSTIC ANALYSIS AND CHARACTERIZATION OF INDIAN MUSICAL INSTRUMENT: GHUMOT	122
SUNDAR AKSHAY, P. V. HANCEL, SINGRU PRAVIN, VATHSAN RADHIKA	
97. APPLICATION OF WHEELED PLATFORMS FOR SPECIAL PURPOSE VEHICLE	133
GRZEGORZ SZCZĘŚNIAK, PAULINA NOGOWCZYK, Rafał BURDZIK, ŁUKASZ KONIECZNY	
98. LOCOMOTIVE DRIVE SYSTEM FAULT DIAGNOSIS BASED ON DYNAMIC SELF-ADAPTIVE BLIND SOURCE SEPARATION	140
BIN REN, RUJIANG HAO, SHAOPU YANG	
99. SUN SENSOR DESIGN AND TEST OF A MICRO SATELLITE	148
LI LIN, ZHOU SITONG, TAN LUYANG, WANG DONG	
100. MEASUREMENT OF LARGE AMPLITUDE PLANE VIBRATIONS OF TWO DIMENSIONAL STRUCTURES	156
V. MASKELIŪNAS, R. MASKELIŪNAS, A. PAULIUKAS, L. RAGULSKIS	
101. DESIGN AND REALIZATION OF VIRTUAL PROTOTYPE OF SHOTCRETE ROBOT BASED ON OPENGL	161
PEI-SI ZHONG, YI ZHENG, KUN-HUA LIU	
102. THE PREPARATION OF TITANIUM CARBIDE THIN FILM OF Ti6Al4V AT LOW TEMPERATURE AND STUDY OF FRICTION AND WEAR PROPERTIES	167
XIANG LIU, LIGUO LIU, BAOGYONG SUN, BINGYUE LI, XUEFENG KE	
103. STRAIGHT-LINE PATH FOLLOWING FOR ASYMMETRIC UNMANNED PLATFORM WITH DISTURBANCE ESTIMATION	173
YU-LONG HUA, XIAO-ZHOU ZHENG, BAO-SHAN CHI, WEI SUN	
104. MEASUREMENT OF VIBRATIONS OF A WING	183
V. MASKELIŪNAS, R. MASKELIŪNAS, PAŠKEVIČIUS P., L. RAGULSKIS	
105. THE IMPACT OF NANO-SILICA TYPE, SIZE AND CONSUMPTION PERCENT ON PROPERTIES OF CEMENT MORTAR	188
KHODABANDEHLLOU ASHKAN, SALEH HAGHGOU VAHID	