

INTERNATIONAL SCIENTIFIC JOURNAL



SCIENCE . BUSINESS . SOCIETY

YEAR 1, ISSUE 2/2016

ISSN 2367-8380

PUBLISHERS:



SCIENTIFIC TECHNICAL UNION OF MECHANICAL ENGINEERING

108 RAKOVSKI STR., SOFIA 1000, BULGARIA

NATIONAL SOCIETY "INDUSTRIAL & NATIONAL SECURITY"



INTERNATIONAL SCIENTIFIC JOURNAL
SCIENCE. BUSINESS. SOCIETY

PUBLISHER:

**SCIENTIFIC TECHNICAL UNION OF MECHANICAL ENGINEERING
NATIONAL SOCIETY "INDUSTRIAL & NATIONAL SECURITY"**

108, Rakovski Str., 1000 Sofia, Bulgaria

tel. (+359 2) 987 72 90,

tel./fax (+359 2) 986 22 40,

office@stumejournals.com

ISSN: 2367-8380

YEAR I, ISSUE 2 / 2016

EDITORIAL BOARD

CHIEF EDITOR

Prof. Dimitar Yonchev, Bulgaria

RESPONSIBLE SECRETARY:

Assoc. Prof. Hristo Karamishev, Bulgaria

MEMBERS:

Prof. Detlef Redlich, Germany	Prof. Sabina Sestic, Bosnia and Hertzegovina
Prof. Ernest Nazarian, Armenia	Prof. Senol Yelmaz, Turkey
Prof. Garo Mardirosian, Bulgaria	Prof. Shaban Buza, Kosovo
Prof. Georgi Bahchevanov, Bulgaria	Assoc. Prof. Shuhrat Fayzimatov, Uzbekistan
Assoc. Prof. Georgi Pandev, Bulgaria	Prof. Sveto Cvetkovski, Macedonia
Prof. Iurii Bazhal, Ukraine	Prof. Teymuraz Kochadze, Georgia
Prof. Lyubomir Lazov, Latvia	Assoc. Prof. Veselin Bosakov, Bulgaria
Prof. Ognyan Andreev, Bulgaria	Prof. Vladimir Semenov, Russia
Prof. Olga Kuznetsova, Russia	Prof. Yuriy Kuznetsov, Ukraine
Assoc. Prof. Pencho Stoychev, Bulgaria	Prof. Zhaken Kuanyshbaev, Kazakhstan

CONTENTS

SCIENCE

TUNING PARAMETERS OF A MIXED INTEGER PROGRAMMING SOLVER IN THE CLOUD Smirnov S. PhD.	3
CLOUD SERVICES FOR AUTOMATION OF SCIENTIFIC AND ENGINEERING COMPUTATIONS Sukhoroslov O.V., Putilina E.V.	6
DETERMINATION OF REPLICATION PARAMETERS IN THE PROJECT OF THE VOLUNTARY DISTRIBUTED COMPUTING NETMAX@HOME PhD, Kurochkin I.	10
GAMIFICATION IN COMMUNITY-DRIVEN WEB APPLICATIONS Assist. Prof. Boris Bankov	13
IMPROVING BUSINESS PERFORMANCE THROUGH MICROSERVICES Krasimir Baylov, Aleksandar Dimov	15
INTERACTION OF 3D MODELS FROM PROTEIN DATA BANK BASE WITH UCSF CHIMERA AND WORK IN BLENDER SOFTWARE Phd Tihomir Dovramadjiev	19

BUSINESS

PUBLIC INFRASTRUCTURE INVESTMENTS AND THEIR IMPACT ON PRIVATE INVESTMENT (The case of Saranda) Dr. Hysi A., Dr. Mano R., Dr. Kociu L, Dr. Celo R.	21
PROBLEM ANALYSIS OF PROJECT MANAGEMENT INFORMATION SYSTEM CONSTRUCTION AT IRON AND STEEL ENTERPRISES OF UKRAINE Ph.D. Student Tulupov M.A.	25
INNOVATIVE POTENTIAL OF ENTERPRISES IN UKRAINE IN CONDITIONS OF THE KNOWLEDGE ECONOMY Melnyk Liudmyla, PhD	29
CAPITAL MANAGEMENT IN FINANCIAL INSTITUTION ACTIVITY IN POLISH BANKING SECTOR Wójcik-Mazur Agnieszka PhD, Lis Tomasz PhD., Bajdor Paula PhD.	33
CUSTOMER SATISFACTION AND LOYALTY DETERMINANTS IN FMCG ON-LINE RETAIL STORES Dr Gąsioriewicz A., Dr Sitarski K.	37

SOCIETY

SCIENTIFIC PROBLEMS OF FORMATION AND DEVELOPMENT OF INFORMATION SOCIETY IN UKRAINE Doctor of Economic Sciences, Professor, Zhavoronkova G., PhD (Economics), Associate Professor, Zhavoronkov V.	40
SOCIAL ASPECTS OF INNOVATIONS IN HEALTHCARE: THE RISKS OF STRENGTHENING OF THE SPATIAL INEQUALITIES OF REGIONAL DEVELOPMENT Prof. dr. Zaborovskaia O.	44
NOISE POLLUTION MODELLING AND VISUALISATION – THE CASE STUDY FOR THE CITY OF SKOPJE M.Sc. Poposki V., Prof. Mitreski K. PhD., Prof. Davcev D. PhD., Prof. Naumoski A. PhD.	48