

INTERNATIONAL SCIENTIFIC JOURNAL

SECURITY & FUTURE

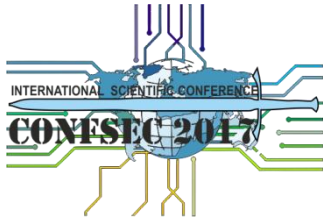
ISSN: (PRINT) 2535-0668

ISSN: (ONLINE) 2535-082X

YEAR IV, ISSUE 1/2020



**PUBLISHER SCIENTIFIC TECHNICAL UNION OF MECHANICAL ENGINEERING - INDUSTRY 4.0
BULGARIA**



INTERNATIONAL SCIENTIFIC JOURNAL SECURITY & FUTURE

PUBLISHER:
**SCIENTIFIC TECHNICAL UNION OF MECHANICAL ENGINEERING
INDUSTRY-4.0**

108, Rakovski Str., 1000 Sofia, Bulgaria
tel. (+359 2) 987 72 90, tel./fax (+359 2) 986 22 40,
office@stumejournals.com,
www.stumejournals.com

ISSN (PRINT) 2535-0668; ISSN (Online) 2535-082X
YEAR IV, ISSUE 1 / 2020

EDITORIAL BOARD

CHIEF EDITOR

Prof. Nikolay Radulov
New Bulgarian University, Sofia, BG

Members:

Alexander Baranov, Prof.	Higher School of Economics	RU
Alexander Kurbatski, Prof.	Belarusian State University	BY
Alexander Troyanskiy, Assoc. Prof.	Odessa State Polytechnic University	UA
Andrzej Misiuk, Prof.	Warsaw University	PL
Ariana Bejleri, Assoc. Prof.	Polytechnic University of Tirana	AL
Galina Zhavoronkova, Prof.	National Aviation University, Kyiv	UA
Gudrun Biffl, Prof.	Donau University	AT
Dimitar Dimitrov, Prof.	Shumen University	BG
Evgeni Manev, Prof.	University of Library Studies and Information Technologies	BG
Hanáček Petr, Assoc. Prof.	Technical University of Brno	CZ
Iliyan Lilov, Prof., Col.	“Vasil Levski” National Military University	BG
Jaroslav Tureček, Assoc. Prof., Col.	Police Academy of the Czech Republic	CZ
Josef Reitšpís, Prof.	The University of Security Management in Kosice	SK
Juris Borzovs, Prof.	University of Latvia	LV
Kristiina Hakk, Assoc. Prof.	Estonian Information Technology College	EE
Kiril Stoychev, Prof.	Institute of Metal Science – BAS, Sofia	BG
Lev Elisov, Prof.	Moscow State Technical University of Civil Aviation	RU
Milan Popović, Prof.	University of Montenegro	ME
Muhammed Ali Aydin, Assoc. Prof.	Istanbul University	TR
Nebojša Bojanić, Assoc. Prof.	University of Sarajevo	BA
Nikifor Stefanof, Prof.	University of Security and Economics - Plovdiv	BG
Ninoslav Marina, Prof.	University of Information Science and Technology - Ohrid	MK
Nurgali Zaurbekov, Prof.	Almaty Technological University	KZ
Oliver Bacanovic, Prof.	University "St. Kliment Ohridski" - Bitola	MK
Ognyan Ivanov, Assoc. Prof.	Institute of Solid State Physics, BAS - Sofia	BG
Piotr Majer, Prof.	University of Warmia and Mazury	PL
Razvan Rughinis, Prof.	Polytechnical University of Bucharest	RO
Siniša Tatalović, Prof.	University of Zagreb	HR
Stoyan Denchev, Prof.	University of Library Studies and Information Technologies	BG
Tatyana Ejevskay, Prof.	Transbaikalian State University	RU
Valentin Todorov, Assoc. Prof.	Varna Free University „Chernorizets Hrabar“	BG
Vesselin Demirev, Assoc. Prof.	Technical University Sofia	BG
Vladimir Zakhmatov, Prof.	Academy of Ecological Safety, Kiev	UA
Zelimir Kesetovic, Prof.	University of Belgrade	RS

CONTENTS

THEORETICAL FOUNDATIONS OF SECURITY

Airport vulnerability model in civil aviation Nikolayi I.Ovchenkov, Ruslan S. Fadeev	3
Opportunities for determining factors affecting the development of intelligent security systems models Valeri Panevski	6
Analysis of motivation theories of locke, galbraith, bandura and lancaster and their applicability in the military Grigor Grigorov	10

NATIONAL AND INTERNATIONAL SECURITY

Stress symptoms under extreme circumstances in latvian national guard personnel with different personality supertraits Lyudmila Kalinnikova, Aleksey Zavodilov, Olga Dmitrijeva	14
Application of restraint devices as a method of protecting the personal safety of the police officers Jonche Ivanovski, Aljosha Nedev	17
Options of Healthcare Facilities Protection Against Terrorist Attacks in the Czech Republic Markéta Janů	20
Nuclear Deterrence. Is It Back? Berk Can Kozan	23
Models and approaches for motivation, recruitment and retention of military personnel in the british armed forces Grigor Grigorov	27

TECHNICAL FACILITIES FOR ENSURING SECURITY

Fire and explosive hazards for explosives and ammunition storage Liliya Damyanova, Valentina Nikolova, Svetlana Yaneva	31
Hong Kong's innovative practices for better fire safety in tall buildings. Conclusions for Bulgaria. Martin Ivanov, Stavri Ferdov	35
Investigation of the possibilities for the use of new items in the equipment for fire extinguishing in critical infrastructure sites Ivan Ivanov, Valentina Nikolova	39
Potential of using holographic subsurface radars for mine detection Sergei Ivashov, Nikolai Lichkov, Adelina Tumbarska	43