

Dear readers,

Let me present the latest issue of the scientific peer-reviewed journal *Science & Military 1/2018*. Through the articles written by Slovak and foreign experts, the journal aims to initiate an inspiring discussion and, thus, broaden the knowledge relating to military science.

We are pleased to present you with valuable scientific and expert multidisciplinary knowledge, which initiates and enriches the dialogue in the specified areas on a national and international scale.

This issue offers interesting articles that have been successfully reviewed. I am convinced that they will inspire you and make you think about and discuss the presented issues.

The first among the reviewed articles, which was written by Peter Rindzák and titled **“The Dependence of Information Entropy on the Measurement Error of the Sensor Network Designated to the Target Localization”**, describes the approach to processed signals using information entropy as a parameter for evaluating the quality of information. This article deals with the simulation of sensors dislocation, which is affected by the same measurement error or different error for each individual sensor.

The authors Tomáš Čížik and Monika Masariková wrote the article titled **“Cultural Identity as Tool of Russian Information Warfare: Examples from Slovakia”**. The authors' main aim is to analyse how Russia or, more precisely, Kremlin exploits the concept of cultural identity in shaping its anti-western and pro-Russian narrative. The article begins with context analysis and definition of information warfare and cultural identity and explanation why it is particularly successful in some countries. Then it proceeds to the analysis of particular examples of disinformation campaigns related to Slavic culture and shared Slavic values in Slovakia.

The article titled **“Some Aspects of Technogenic Safety and Their Impact on Functioning of Public Systems”**, which was written by Alla Bespalova, Vladimir Lebedev, Yuri Morozov and Inga Uriadnikova, deals with questions of technogenic safety, which are observed at the example of the situation at Ukrainian Donbas. It is shown that dust generated by enterprises refers to the factors that gradually accumulate and then disrupt the human health.

Another article titled **“Decompiling Java Bytecode: From Common Java to Newest JDK8 Features, from Obsolete Decompilers, to Cutting Edge Technology”** was written by Jozef Kostelansky and Lubomir Dederá. In this paper, the authors focused on reverse engineering, which is an elementary part of static analysis. They evaluate current Java bytecode decompilers and the output from current Java bytecode decompilers using test

samples and metrics from previous surveys in 2003 and in 2009.

Among the articles in this issue, you can find the article written by Victor Grechaninov titled **“The Expediency of Improvement of Armed Forces Management by Automatization of Their Base Functions”**. The article deals with the management process of the team of people that represents a system of certain sequential interrelated activities called management functions. It introduces the general (basic) management functions that are specific for the armed forces. It is disclosed operation of Commander and his staff on the organization preparations for the operation (combat actions). It proves the necessity of automation of basic management functions of the armed forces, as well as modelling of possible actions and processes.

The series of articles is closed with the paper titled **“Gender and Leadership in the Military”** written by Veronika Marenčinová. This paper has discussed the role of women and the obstacles they face all over the world in their attempts at military leadership. The gender equality issue is still a major challenge in most militaries worldwide. Except for a few developed countries that have opened up their military to women at all levels, most countries still offer female soldiers a traditional role hence they largely remain a supporting arm of the male soldiers. It is going to take inconceivable skills to bring female leadership into most militaries of the world due to factors discussed in this paper.

In conclusion, I would like to thank you for your continued interest and support, and wish you pleasant, inspiring and interesting reading.

Col. (ret.) Prof. Eng. Marcel HAKAKAL, PhD.
Chairman of the editorial board