

**Dear readers,**

You are just looking at the first issue of the journal *Science & Military* of this year. It has been published for nine years already. We are pleased to see that this scientific journal focused on military science has been successful for such a long time and is increasingly attracting more and more authors and readers.

We would like to continue in this way and offer our readers high-quality scientific articles that reflect current issues in the field of "Defense and Security". Conducting research, drawing scientific conclusions and writing specialized texts serve as presentation of authors as well as evaluation of institutions where the authors are employed. After all, scientific research results can be subject to discussion and validity assessment only if they are published and presented to a large number of experts and professionals.

The editorial board's long-term objective is still to include the journal *Science & Military* into the Scopus and Thomson Reuters databases. We realize the fact that we can reach this goal only by joint effort because international recognition of the journal does not depend only on work done by the editorial board and the chief editor. An internationally recognized journal means high-quality scientific articles that will appeal to specialists and spark discussions.

Dear readers, the current issue of the journal contains twelve new and undoubtedly interesting articles. Let me briefly introduce some of them:

The article written by Petr Františ titled „Experimental user interfaces to 3D visualization of C2 system“ describes development of 3D visualization system that works with a Czech C2 system. The main focus of the article is on using motion tracking and augmented reality approaches to simplify the user interface of this visualization system.

The author Kazimierz Kowalski presents an article titled "Chosen issue of weapon systems exploitation research" in which he presents the complex technical weapon systems with standard natural ageing processes, degradation and random failures caused by human faults, overloading or destructive acting of surroundings.

The article written by Mykhailo H. Hrubel, Mariya B. Sokil, Roman A. Naniivskyi titled "Influence of characteristics of wheeled vehicle suspension on its road-holding along curved stretches of track" deals with a difficult issue of vehicle movement dynamics and specification of stabilization moments during its vertical and swiveling movement.

The article written by Martin Javurek, Michal Turčaník a Marcel Harakal' titled "Artificial neural networks in cryptography" shows an overview of topologies of neural networks for use in cryptography. From the most known as is a Tree Parity Machine, through a Permutation Parity Machine to the use one of the most used ANN with Backpropagation algorithm as a Chaotic random numbers generator.

In article written by David Kusmič, Zbyněk Studený, Vojtěch Hrubý, Emil Svoboda titled "Material analysis of damaged 125 mm tank main gun type TK 2A46" are described procedures and methods used for

material evaluation of materials applied for new damaged or wrecked tank main gun.

The authors Vlastimil Malý, Petr Hruza present the article titled "Modelling of task force structures", which describes a new approach to the planning process and a new possible way of selection of forces for international operations based on modular structures and units' capabilities required for particular operation. The article describes the options of original software application developed during the "STRUCTURE" project solution aiming as a support for staff officers in the preparatory phase of operational planning.

The article written by Radoslav Masnica, Jozef Štulrajter, Ivan Plichta titled "Common operational picture and a probabilistic model for recognition identification friendly or Foe – IFF" describes a probabilistic model of knowledge on the battlefield and Identification Friendly or Foe – IFF and current overview of the situation for the commander and offers an introduction to the understanding of the relationship between information and their impact on the results of the fight.

The authors Sergiy Orel, Oleksiy Ivaschenko in article titled "Through ecological risk assessment" addressed the question of management by ecological safety of troops through assessment of ecological risk is considered in the article. As the model of risk assessment was used scheme, proposed by the United States Agency of Environmental Protection (USEPA).

The article titled "Quality value analysis from customers' point of view" written by Iveta Kmecová, Robert Zeman, Daniel Kučerka, Monika Kučerková deals with the importance of marketing and its great influence on running a business successfully. The article presents some results of the research focused on judging the process of providing quality value in business field.

The author Josef Požár wrote the article titled "Modelling of the investigation of cybercrime". The article deals with selected aspects of computer crime with stress on some ways of forensic investigation of this phenomenon. Some typical ways of committing computer crime with regard to investigative situations are described here. In conclusion, the author refers to possible education of the police officers about computer crime.

Dear readers, I do believe that you will continue reading our journal *Science & Military* and that in this year you will also have a chance to go through a lot of inspiring articles that will spark discussions with other universities, scientific and research institutions and specialists.

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Chairman of the editorial board