

Dear readers,

Let me present another issue of the journal *Science & Military*. I am pleased to say that our journal is becoming more and more popular with its readers and contributors. As a result, the quality of submitted articles has risen as well. The journal's editorial staff only accept articles that are written in English, thus making the journal more attractive also for foreign readers and contributors.

This issue contains high quality and very interesting articles that have undergone strict editorial review successfully. I am convinced that they will be inspiring and thought-provoking.

The first article, written by Zdeněk Matoušek, Marián Babjak and Ján Ochodnický, analyses and evaluates the probability of correct range detection versus the jamming-to-signal ratio (JSR) of Doppler pulse radar using simulation software. It also evaluates the advantages of using IM techniques for pulse radar system.

The second article, written by Sergiy Orel and Oleksiy Ivaschenko, presents application of two-dimensional Monte Carlo method to evaluate impacts of the pollution caused by a former missile base in Ukraine on the environment (cancer risk).

Another contribution is from Taras Stukalin and it is devoted to the problems of creating a new optimal model of territorial defense in Ukraine on samples of foreign countries. Topic is very timely and important for reforming of territorial defense in Ukraine and implementation of reforms of the armed forces and their management systems.

The article written by Cezar Vasilescu analyses the findings and synthesizes knowledge of business processes improvement and reengineering. The author presents process design principles (compares approaches of two authors - M. Hammer's and R. Linden's) and illustrates the contribution of each principle to a reengineering initiative.

Another article is from Olga Marchenko. The article presents the essence and structure of the professional competence of the teacher. The author evaluates the use of modern teaching methods and recommends implementation of these methods as effective innovation tools in modern teaching. The author has processed and recommends a new study bibliography in this field.

Rules and procedures of accident investigation in civil aviation is the topic of the article by Grzegorz Zajac. The article provides detailed requirements of ICAO and EU regulations and sets out the conditions for accident investigation and procedural requirements of procedures and documentation on the conclusions of the investigation. The complexity of these requirements and procedures is the most important part of this paper. This problem requires cooperation and exchange of experience on international level.

The author Wojciech Gizicky presents brief description of recent development in the field of modern technologies in Poland, involvement of national institutions and companies, introduction of various projects, and application of these technologies to Polish Army.

The final article by Aneta Nowakowska-Krystman presents the formulation of the strategy of the armed forces on the basis of the assumptions of resource-based view. As a result, the armed forces are perceived as a bundle of resources, capabilities and competencies which are used to create and implement the strategy which aims at the satisfaction of the beneficiaries' needs in terms of security provision.

Dear readers, on my behalf and on behalf of the editorial board, I would like to wish you all the best for the coming year 2016 and thank you for your readers' interest and quality articles.

Assoc. Prof. Eng. Marcel HAKAL, PhD.
Chairman of the editorial board