



## **МИНИСТЕРСТВО НА ОТБРАНАТА**

### **ИНСТИТУТ ПО ОТБРАНА „ПРОФЕСОР ЦВЕТАН ЛАЗАРОВ”**

София 1592, бул. „Проф. Цветан Лазаров” № 2, факс: 02/92 21 808, <http://di.mod.bg>

## **О P I N I O N**

by Dr. Maya Georgieva Bozhilova,  
Associate Professor at “Professor Tsvetan Lazarov” Defence Institute  
on the Competition for the academic position “Associate Professor”  
under the Scientific Field 5. Technical Sciences, the Professional Area 5.2.  
“Electrical Engineering, Electronics and Automation”, the Scientific Specialty  
“Automated Systems for Information Processing and Control”, announced by  
Order № OX-1130/10.12.2021 г. of the Minister of Defence and published in the  
State Gazette, issue 109 of 21.12.2021г with a single candidate  
Major Dr. Angel Dimitrov Genchev,  
Senior expert at “Development of C4I Systems” Directorate,  
at "Professor Tsvetan Lazarov" Defence Institute

## **1. General characteristics of the research, the scientific-applied and pedagogical activity of the candidate**

The research activities of Major Dr. Genchev are in fields related mainly to defence – application of information technology in defence, cybersecurity, development of communication and information infrastructure of defence; design and developing of automated information systems, data centers and collaboration systems; design, development and implementation of software products for the needs of defence.

According to the author's reference provided by Dr. Genchev, he participated in this competition with 20 scientific publications (1 monograph, 19 research papers and reports). Five of the publications are in English, the rest are in Bulgarian, and in 7 of the presented scientific papers, the candidate is the sole author, and in 5 he is in first position.

The publications submitted for review did not participate in the procedure for obtaining the educational and scientific degree "Doctor".

Based on the "Information on the met minimum national requirements" provided in the competition documentation, I can conclude that Major Dr. Genchev meets the minimum national requirements under the Academic Staff Development Act of the Republic of Bulgaria and the Regulations for its implementation.

Major Genchev actively participates in the projects developed inside and outside his scientific unit. He is a participant in 5 international, 2 national and 15 departmental projects.

I accept the self-assessment provided in the competition documentation of the compliance with the minimum requirements of the announced competition, which shows that Major Dr. Genchev meets the minimum national requirements under the Academic Staff Development Act of the Republic of Bulgaria) and the Regulations for its implementation.

## **2. Evaluation of the special preparation and activity of the candidate**

Major Dr. Genchev has been working since 2006 in military-scientific and development units at the Ministry of Defense.

In 2006 he obtained the educational and scientific degree "Doctor" under the scientific specialty 02.07.20 "Communication Networks and Systems", defending a dissertation on "Adaptive management of frequency resources in

mobile cellular radio networks for military purposes".

Currently (2022) he holds the position of "Senior expert" at "Professor Tsvetan Lazarov" Defence Institute.

I have known Major Dr. Genchev since 2006 as an undisputed professional and responsive colleague. The impressions I have of his work give me reason to say that the candidate has the necessary special training in the field of military science and information and communication technologies to continue to develop research and development in the interests of defence.

### **3. Main scientific results and contributions**

The scientific works of Major Dr. Genchev, submitted for review can be classified in the following research areas:

- Research related to information and communication systems and technologies, cybersecurity, data centers and cloud environments – [II.2.1], [II.2.3], [II.2.15], [II.2.4], [II.4.5], [II.2.5], [II.2.7], [II.2.8], [II.2.10], [II.4.11], [II.2.12], [II.2.17], [II.2.20], [II.2.21], [II.1.1].
- Research related to integrated collaboration information systems and computer systems for decision-making in crisis management – [II.2.2], [II.2.6], [II.4.8.] [II.2.9], [II.2.11], [II.2.13], [II.2.14], [II.2.18]. [II.2.16], [II.4.15].
- Automated control systems, automated information systems and software applications for the needs of defence – [II.4.9], [II.4.15], [III.7], [III.8].

The results and contributions obtained in the above areas of research are defined mainly as enrichment of existing knowledge and application of scientific achievements in practice.

The results and contributions obtained in the above areas of research are defined mainly as the enrichment of existing knowledge and application of scientific achievements in practice.

I am not aware of any plagiarism in the presented scientific papers. Their careful analysis shows the undoubted authorship of Major Dr. Genchev.

### **4. Assessment of the significance of the contributions for science and practice**

The scientific outputs of Major Dr. Genchev is related to applied research in the field of defence. My assessment is that Assoc. Prof. Iliev has significant scientific and applied contributions in the development of solutions

for the application of information and communication technologies for the needs of defence.

## **5. Critical notes for the submitted works**

I have no significant critical remarks on the scientific papers submitted to me for review.

## **6. Conclusion**

I believe that all the requirements of the Academic Staff Development Act of the Republic of Bulgaria, the Regulations for its implementation and the Regulations for the terms and conditions for holding academic positions at the "Prof. Tsvetan Lazarov" Defence Institute have been met. I give convincingly a positive assessment of the materials submitted for participation in the competition and I invite the esteemed members of the Scientific Jury to vote for the award of Major Dr. Angel Dimitrov Genchev academic position "Associate Professor" in the Scientific Field 5. "Technical Sciences", Professional Area 5.2. "Electrical Engineering, Electronics and Automation", the Scientific Specialty "Automated Systems for Information Processing and Control".

Date: 08.04.2022 г.  
Sofia

Member of Jury: / II /  
(Assoc. Prof. Dr. Maya Bozhilova)