



**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>

## **OPINION**

by Associate Professor Dr. Alexander Assenov Kolev,  
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on the competition for the academic position " Professor" for civil servant  
in the field of higher education 5."Technical Sciences", professional field 5.3.  
"Communication and Computer Technology”, scientific specialty "Information  
Technology and Cyber Security", at "Professor Tsvetan Lazarov" Defence Institute,  
published in the State Gazette, issue 24/23.03.2021 in accordance with Order №  
130/16.03.2021 of the Director of the Defence Institute

with the candidate:

Eng. **Rosen Stankov Iliev**, Doctor, Associate Professor at  
"Professor Tsvetan Lazarov" Defence Institute

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

In the current competition for the academic position of "professor" for civil servant, announced in the State Gazette, issue 24 of 23.03.2021, participates as the only candidate associate professor Dr. Eng. Rosen Stankov Iliev. The works submitted by the candidate are a total of 52, of which monographs - 3, articles and reports - 36, research and research projects - 11 and 2 studies and assignments (TID and TTZ). The distribution of the presented titles is: 44 in Bulgarian, 8 in English.

The presented research works are in the field of communication and computer technology, information systems and technologies in the field of defense. Scientific and applied results have been achieved in automated information systems, automated information processing systems, electronic systems for group work. In most of the candidate's works the main scientific and applied contributions are in the proposed methods, approaches and models for design and configuration of data centers and cloud environments, creation of integrated information environments for collaboration and computer systems for decision support in the field of crisis management.

Assoc. Prof. Iliev is a researcher and implementer in the professional field of the announced competition, popularizer of modern scientific trends and organizer of scientific forums in his work as Secretary of the Scientific Council of the Defence Institute. He is the supervisor of a doctoral student who has successfully defended his dissertation, four of his doctoral students are in different stages of their studies.

2. Evaluation of the special preparation and activity of the candidate:

The candidate has been working in his scientific field for the last 30 and more years. According to the attached documents, his significant scientific and practical achievements can be traced back to 1990. In his scientific career he has worked in scientific organizations related to defence and passed through all academic positions to "associate professor". During this period he completed a specialization at the Technical University - Sofia, several postgraduate qualifications, as well as a number of certificates in the field of information and communication technologies.

Assoc. Prof. Iliev is honored for high professional achievements as a systems engineer, designer and chief designer of the Automated Information System for Management of the Bulgarian Army.

The rich research and implementation experience of the candidate has been realized in five international research projects, six national research projects and 15 departmental technical and system projects.

I believe that the candidate has the necessary professional, research, implementation, promotion and personal qualities that are necessary to hold the academic position of "professor" in the announced competition.

### 3. Main scientific results and contributions

I accept the claim for the contributions proposed by the candidate as the essence and application according to the submitted documents.

I determine the obtained results and contributions as:

– Enrichment of existing knowledge: monographs (II.3.1, II.3.2, II.3.3), the articles in Springer (II.3.63, II.3.75), articles on solutions and approaches (II.3.51, II.3.52, II.3.65) and for original models (II.3.53, II.3.54, II.3.56, II.3.66, II.3.74, II.3.76, II.3.77, II.3.78);

– Application of scientific achievements in practice: articles (II.3.44, II.3.45, II.3.46, II.3.47, II.3.48, II.3.49, II.3.50, II.3.55, II.3.57, II.3.58, II.3.59, II.3.60, II.3.61, II.3.62, II.3.64, II.3.67, II.3.68, II.3.69, II.3.70, II.3.71, II.3.72, II.3.73, II.3.79).

Of the 39 scientific publications presented, of which 3 monographs, 36 articles and reports, the candidate is the only author in a significant part of them, the first author in 13 materials, which confirms his personal contribution.

4. Assessment of the significance of the contributions for science and practice:

The candidate demonstrates his high scientific training, knowledge, skills and scientific achievements in five international research projects, six national research projects and 15 departmental technical and system projects. A list of 32 citations is presented, of which 6 in scientific journals, referenced and indexed in world-famous databases, 25 in collective volumes with scientific review and 1 in non-refereed

journals with scientific review.

5. Critical notes on the reviewed paper:

The careful review of the presented scientific production of the candidate shows a high level of content and layout. In isolated cases there is an unordered list of used literature, which in no way reduces the scientific and practical value of the material. The author should look for more opportunities for publication with inclusion in recognized international databases with scientific production.

6. Conclusion

Everything presented so far allows me to give a positive assessment of the materials for participation in the competition. The attached materials and documentation fully meet the requirements of the Academic Staff Development Act in the Republic of Bulgaria and the Regulations for its implementation in its part for scientific production with contributions and applicability in the research and teaching process for the academic position "professor" in the field of higher education 5. "Technical sciences", professional field 5.3. "Communication and Computer Technology", scientific specialty "Information technology and Cyber Security".

7. Evaluation of the candidates

Having performed a careful analysis of the presented scientific papers in terms of significance, content of scientific and applied contributions, I give a **positive** assessment of the scientific activity of Associate Professor Dr. Eng. Rosen Stankov Iliev.

I recommend to the esteemed members of the current scientific jury to vote for the award of the academic position "Professor" in the field of higher education 5 "Technical Sciences", professional field 5.3 "Communication and Computer Technology", scientific specialty "Information Technology and Cyber Security", to Associate Professor Dr. Eng. Rosen Stankov Iliev.

Member of Jury:

Date: 23.06.2021 г.

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/Assoc. Prof. Dr. Aleksandar Kolev/