

## OPINION

by **Academician Vassil Sgurev**  
from the Bulgarian Academy of Sciences,  
on the Competition for the academic position “**Associate Professor**”,  
under the Scientific Field: 5. Technical sciences,  
the Professional Area: 5.2. Electrical engineering, Electronic and Automation,  
announced in Darjaven Vestnik No. 81 of 11.10.2022  
with a participant - **Assistant Professor George Ivanov Sharkov, PhD**

In accordance with Order No. № 355/09.12.2022 of the Director of the Institute of Information and Communication Technologies – Bulgarian Academy of Sciences, I was included in the Scientific Jury of the competition for occupation of the academic position “Associate Professor” in the Scientific Field 5. Technical sciences, the Professional Area 5.2. Electrical engineering, Electronic and Automation, announced in the Darjaven Vestnik, Issue 81 of 11.10.2022, with the sole participant in the competition - Assistant Professor George Ivanov Sharkov, PhD.

As a member of the Scientific Jury I have received:

1. Application for participation in the competition by Assistant Professor George Ivanov Sharkov, PhD.
2. A European Curriculum Vitae of Assistant Professor George Ivanov Sharkov.
3. Copy of the diploma for educational and scientific PhD degree of Assistant Professor George Ivanov Sharkov.
4. Medical certificate of Assistant Professor George Ivanov Sharkov.
5. Certificate of conviction of Assistant Professor George Ivanov Sharkov.
6. Certificate of work experience of Assistant Professor George Ivanov Sharkov.
7. List of scientific publications, with which the applicant Assistant Professor George Ivanov Sharkov participates in the competition.

8. List of citations, with which the applicant Assistant Professor George Ivanov Sharkov participates in the competition.
9. Annotations of scientific publications, for participation in the competition for the academic position “Associate Professor” of Assistant Professor George Ivanov Sharkov.
10. Copies of all scientific publications with which the applicant participates in the competition.
11. Information for fulfillment of the minimum national requirements under Art. 2b, # 2 and # 3 and the requirements of the Institute of Information and Communication Technologies - BAS under Art. 2b, # 5, prepared, based on documents submitted for the competition provided by Assistant Professor George Ivanov Sharkov.
12. Reference for the original scientific and applied scientific contributions of Assistant Professor George Ivanov Sharkov.
13. Statement for no proven plagiarism in the scientific works of Assistant Professor George Ivanov Sharkov.

In accordance with the requirements of the *Development of Academic Staff Act in the Republic of Bulgaria* and the specific requirements in the Act’s Institutional Regulation, the candidates for occupying the academic position of “Associate Professor” must meet the following conditions, regulated in Art. 24. (1).

Assistant Professor George Ivanov Sharkov fulfills the requirement of Art. 24 (1) item 1 of the Development of Academic Staff Act in the Republic of Bulgaria, because by a decision of the Presidium of the Higher Attestation Commission at the Council of Ministers of the Republic of Bulgaria, a diploma No. 28911 of 05.05.1994 was issued, for the scientific degree Candidate of Technical Sciences (PhD).

Assistant Professor George Ivanov Sharkov also meets the requirement of Art. 24 (1) item 2 of the Development of Academic Staff Act in the Republic of Bulgaria, because the official note with Ex. No. 8948 of 17.09.2014, signed by the Rector of the Plovdiv University “Paisii Hilendarski”.

Assistant Professor George Ivanov Sharkov also meets the requirement of Art. 24 (1) item 3 of the Development of Academic Staff Act in the Republic of Bulgaria, according to the annotations of the scientific publications for participation in the competition, has presented for indicator B4 – 10 publications, for indicators G7-9 – 26 publications.

According to the information provided for the fulfillment of the minimum national requirements and the minimum requirements of Institute of Information and Communication Technologies - BAS by Assistant Professor George Ivanov Sharkov, he fully covers the minimum requirements for indicators A, B, G, D and E for the Scientific Field 5. Technical sciences, the Professional Area 5.2. Electrical engineering, Electronic and Automation and also meets the requirement of Art. 24 (1) item 4 of the Development of Academic Staff Act in the Republic of Bulgaria.

I accept the Declaration submitted by the applicant that there is no legally proven plagiarism in the scientific works presented for this competition by Assistant Professor George Ivanov Sharkov and also meets the requirement of Art. 24 (1) item 5 of the Development of Academic Staff Act in the Republic of Bulgaria.

I accept the contributions formulated in the report on the results of the candidate's research activities in the works with which Assistant Professor George Ivanov Sharkov participates in the competition and those results are scientifically applied and can be defined to be enriching the existing scientific field with new knowledge.

Present is a list of 21 citations of the Assistant Professor George Ivanov Sharkov publications.

The following notes can be made on the submitted materials for participation in the competition:

- The works presented are scattered in many directions, which somewhat hinders the obtaining of more in-depth results;

- Sufficiently strict formulations of the concepts of “security” and “risk” are lacking. This would help to develop original mathematical models for the studied processes;

- Publications with the numbers G 02, G 24, G 25 and G 26 from the list of publications for participation in the competition for the academic position “Associate Professor”, according to the presented bibliographic record, could be part of the list of publications presented for the acquisition of PhD degree.

**In conclusion**, I agree that the requirements of the Law for the Development of Academic Staff Act in the Republic of Bulgaria and the specific requirements in the Act’s Institutional Regulations for its implementation, the Rules for the conditions and the order for acquiring academic degrees and for the occupation of academic positions in BAS and the Rules for the specific conditions for acquisition of academic degrees and occupation of academic positions at the Institute of Information and Communication Technologies - BAS are accomplished. After getting acquainted with the materials submitted by the applicant for the competition, I give my positive estimation about the choice of Assistant Professor George Ivanov Sharkov in the competition for the academic position of “Associate Professor”, in the Scientific Field 5. Technical sciences, the Professional Area 5.2. Electrical engineering, Electronic and Automation.

I propose that the Scientific Jury unanimously vote for a proposal to the Scientific Council of the Institute of Information and Communication Technologies - BAS, to elect Assistant Professor George Ivanov Sharkov for the academic position of “Associate Professor” in the Scientific Field 5. Technical sciences, the Professional Area 5.2. Electrical engineering, Electronic and Automation.

25.01.2023  
Sofia

Signatu

НА ОСНОВАНИЕ

ЗЗЛД