

## OPINION

**On the competition for the academic position "Associate Professor" in professional field 5.3 "Communication and Computer Technology", scientific specialty "Systems with intelligent management", announced in SG No. 70 of 20.08.2024 for the needs of the University "Prof. A. Zlatarov", Burgas, with only one applicant Senior Assistant Professor Dr. Todor Petkov Petkov**

By Order No. RD -359 dated 25.10.2024. of the Rector of the University "Prof. A. Zlatarov"-Burgas, I have been appointed as a member of the scientific jury in the competition for the academic position of "associate professor" in the field of higher education 5. Technical sciences, professional field 5.3 "Communication and computer technology", scientific specialty "Systems with intelligent management", announced in SG no. 70/20.08.2024. I have received all the documents of the only candidate in the competition – Senior Assistant Professor Todor Petkov Petkov, PhD.

### **Brief biographical information about the applicant**

Senior Assist. Prof. Dr. Todor Petkov was born on March 15, 1988. In 2012 obtained a Master's degree in "Computer Systems and Technologies" at the University "Prof. A. Zlatarov"-Burgas. In 2015 he defended his PhD thesis in Computer Science and Technology at the same university and received the educational and scientific degree "Doctor". From June 2016 he works at the University "Prof. A. Zlatarov"-Burgas first as an Assistant Professor, and then as a Senior Assistant Professor.

### **Findings on the submitted materials for participation in the competition**

The candidate Senior Assistant Professor Dr. Todor Petkov participated in the competition with the following materials:

- Indicator A "PhD thesis for awarding the educational and scientific degree "Doctor"" – PhD thesis on the topic "Generalized network modeling of neural networks".
- Indicator B4 "Habilitation thesis - scientific publications in sources that are referenced and indexed in world-famous databases with scientific information" - 11 publications.
- Indicator G7 "Scientific publications in sources that are referenced and indexed in world-renowned databases with scientific information" - 15 publications.
- Indicator G\* "Scientific publications in non-refereed journals with scientific review or in edited collective volumes" - 6 publications
- Indicator D12 "Citations or reviews in scientific publications, referenced and indexed in world-renowned databases with scientific information or in monographs and collective volumes"- an extract from Scopus of 89 independent citations of the candidate's articles was provided.
- Indicator E "Participation in national and international projects" - a total of 7 - 1 national project and 6 contracts, of which 5 are international.

The total number of points of the candidate and the required minimum scores for the groups of scientometric indicators, according to the Regulations for the implementation of the law on the development of the academic staff at the University "Prof. A. Zlatarov"-Burgas and the minimum national requirements (MNR) are presented in tabular form. I should note that apart from the mentioned articles, the candidate also has a manual for Digital Circuitry lab exercises.

### **Information on the fulfillment of the minimum requirements**

<i>Indicator groups</i>	<i>Minimal score- University "Prof. A. Zlatarov"</i>	<i>Applicant score</i>	<i>Minimal score (MNR)-PF 5.3</i>	<i>Applicant score (MNR)</i>
<i>A</i>	50	50	50	50
<i>B</i>	-	-	-	-
<i>B</i>	100	102.08	100	102.08
<i>Г</i>	300	309.84	300	309.84
<i>Д</i>	100	890	100	890
<i>E</i>	100	120	100	120
<i>Total:</i>	650	1471.92	650	1471.92

It is clearly seen that Senior Assistant Dr. T. Petkov fully meets the requirements of the Regulations on the Implementation of the Law on the Development of Academic Staff in the Republic of Bulgaria, as well as the "Regulations for the Implementation of the Law on the Development of the Academic Staff at the University" Prof. A. Zlatarov"-Burgas" for professional direction 5.3. Communication and computer technology.

I accept the claims for scientific contributions of Senior Assistant Dr. Petkov in the form in which they are formulated in his documents and in the "Author's Reference for Scientific Contributions", in which the candidate describes in detail and comprehensively the specific original scientific contributions with which he applied to the competition. In my opinion, they correctly reflect the essence of the publications, projects and contracts with which he participated in the competition, and therefore I will not comment on them in detail. The candidate has separated them into 4 groups that follow the indicated contributions.

### **Critical notes, recommendations and personal impressions of the candidate**

I have the following critical notes and comments to the candidate regarding the materials submitted by him for participation in the competition. I note that I do not personally know Dr. Todor Petkov.

1. In the submitted documents for the competition, I did not see the candidate presenting views on his future research work, and this is important in a habilitation competition.
2. It is not clear from the submitted documents whether there is an overlap between the publications on the competition and those with which he obtained the educational and scientific degree "Doctor".

### **Conclusion**

The above gives me a reason to declare a positive assessment of the candidate's research and teaching activities and to confidently recommend to the respected members of the Scientific Jury to vote for the awarding of Senior Assistant Professor Dr. Todor Petkov Petkov the academic position "Associate Professor" in professional field 5.3 "Communication and computer technology".

07.01.2025  
Sofia

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