

## STATEMENT

by prof. Stefan Staynov Zhelev PhD

Konstantin Preslavsky University of Shumen

of the materials submitted for participation 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 (Automated systems for information processing and management)

In the competition for associate professor, announced in the State Gazette, issue 87 / 09.10.2020 and on the website of the University of Shumen for the needs of the Department of Communication and Computer Engineering, Faculty of Technical Sciences, as a candidate participates Chief Assistant Valentin Tonev Atanasov, PhD.

### **1. Brief biographical data about the candidate**

Ch. Assistant Valentin Atanasov, PhD, graduated from the Vasil Levski National High School, Artillery, Air Defense and CIS Faculty in 1986 as a computer engineer. From 01.05.2014 to 29.03.2017 he is a full-time doctoral student at the University of Ruse “Angel Kanchev”, Department of Computer Systems and Technologies. Since December 1, 2017, he has been a lecturer at a higher school in the academic position of “Chief Assistant”. The candidate meets the requirements of Art. 24, para. 1 and 2 of the Act for Development of the Academic Staff in the Republic of Bulgaria.

### **2. Brief description of the presented materials**

Ch. Assistant Valentin Atanasov, PhD realizes his competence and quality as a lecturer and researcher in the field of professional field „Communication and Computer Engineering” (Automated systems for information processing and management).

The research activity of the candidate is focused on analysis and synthesis of software systems for training, intelligent educational structures, measurement and evaluation of educational interactivity, computer technologies for design,

design and development of multimedia products, and implementation of projects in the field of WEB based applications for training and digitalization of education.

For the needs of the competition Ch. Assistant Valentin Atanasov presented 16 titles, which are distributed as follows:

- Monograph "Interactivity in Web-based learning applications" - 1 pc .;
- Scientific reports - 15 pcs.

The scientific papers submitted for review have been published in Bulgarian - 11 copies and in English - 5 pcs. Seven of them are independent, seven are with one co-author and two - with two or more co-authors.

From the submitted reference for required points by groups of indicators under Art. 2 b, para. 2 and 3 of the Act for Development of the Academic Staff in the Republic of Bulgaria, for participation in a 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" it is seen that the materials submitted by the candidate meet the minimum national requirements.

### **3. Reflection of the candidate's scientific publications in the literature**

In total for papers the candidate has data for 16 citations, which shows that a large part of the results achieved by Ch. Assistant Atanasov, PhD have become available to the scientific community at home and abroad, as required by the Act on Higher Education and the Act on the Development of Academic Staff in the Republic of Bulgaria.

### **4. General characteristics of the candidate's activity**

As a lecturer in higher education, the candidate conducts classroom and extracurricular classes with students majoring in "Communication and Information Systems" and "Computer Design Technologies" in the disciplines Computer Networks, Microprocessor Engineering, Industrial Computer Networks, Network Administration, Design and Development, Analysis and

synthesis of communication and information systems. In these disciplines, the candidate has developed interactive WEB-based learning resources.

Ch. Assistant Atanasov, PhD, has participated in the implementation of three research projects, one of which is funded by the Research Fund and two are internal university. The candidate participates with reports at international and national scientific forums at home and abroad. He has attached a copyright certificate to a scientific product in the competition documents.

The main part of the scientific works of Ch. Assistant Valentin Atanasov, PhD are in the field of the competition for the academic position of “Associate Professor” and address issues related to the synthesis of software training systems and intelligent educational structures. I appreciate that the competition production contains contributions, which can be summarized as follows:

- synthesis of software training systems;
- synthesis of algorithms;
- conceptualization and synthesis of intelligent educational structures;
- conceptualization of the engineering educational process;
- study of interfaces in an intelligent complex for ubiquitous computing.

#### **5. Assessment of the personal contribution of the candidate**

The works in which Ch. Assistant Atanasov is an independent author, and the seven publications with another author are evidence of his leading participation in research. This gives me reason to believe that the personal contribution of the candidate is not in doubt. The entire scientific production of the candidate shows that he has in-depth knowledge of the scientific specialty of the competition, can analyze the information and solve current scientific and scientific-applied tasks.

#### **6. Critical notes**

I note as a weakness the avoidance of the mathematical analysis of some of the author's research, which in some cases creates the impression of

incomplete scientific research. I recommend in the future to promote the results of research to specialized international journals with an impact factor.

It should be noted that these remarks are weaknesses, not shortcomings and they do not in any way call into question the accuracy of the results obtained, their interpretation and their significance in theoretical and practical aspects.


### **7. Personal impressions**

I know the candidate vaguely. For his preparation and experience, I judge from the presented documents and scientific production, which show that the candidate has the necessary qualities required by the Act on the Development of Academic Staff in the Republic of Bulgaria to obtain the academic position of "Associate Professor" at Shumen University.

### **8. Conclusion**

Having in mind the above, I propose to the Faculty Council of the Faculty of Technical Sciences of the University of Shumen Chief Assistant Valentin Tonev Atanasov, PhD to be elected "Associate Professor" in the field of higher education 5. Technical sciences, professional field 5.3 Communication and computer technology (Automated systems for information processing and management).

21.12.2020 г.

Jury member:  .....

(prof. Stefan Zhelev PhD)