

STATEMENT

For the participation in the procedure for holding the academic position "Associate Professor", in the professional field 5.3. "Communication and computer technology" and the discipline "Computer Networks and the Internet", announced in the state newspaper № 65 / 06.08.2021

Of the candidate Dr. Eng. Rosen Stefanov Radkov

From the member of the scientific jury: Assoc. Prof. Dr. Eng. Violeta Todorova Bozhikova, Department of Software and Internet Technologies, TU-Varna

1. General characteristics of the research and applied research activities of the candidate.

Chief Assistant Dr. Eng. Rosen Radkov graduated with a master's degree in "Computer Engineering" at the Technical University - Varna in 1989. In January 2018, the candidate receives the Educational-Scientific Degree "Doctor" in the scientific specialty "Computer Systems, Complexes and Networks".

Rosen Radkov's main job is at the Technical University of Varna, Department of Computer Science, where he joined as an assistant in 1990. From 2018 is a senior assistant in the department of Software and Internet Technologies.

Since 1997 is also the founder, owner and manager of a company and ACT BG Ltd., whose subject of activity corresponds to the training and qualification of the candidate in the field of ICT. The candidate Dr. Eng. Rosen Radkov participates in the competition with the required number of scientific papers and scientific-metric indicators, some of which are:

- Dissertation work developed and defended in the professional field of the competition 5.3.
- 22 scientific papers, divided into the following groups:
 - 1) Habilitation work - a monograph of 130 pages, entitled "Continuity of information security. Analysis and management approaches ", issued in 2021. and coverage indicator B.3. From here the candidate scores 100 points.
 - 2) 4 scientific publications in publications that are referenced and indexed in world-famous databases related to indicator D.7, as the candidate scores 136 points.
 - 3) 17 scientific publications in edited collective volumes in Bulgaria and abroad as well as scientific publications in unreferenced journals with scientific review in Bulgaria (8), related to indicator G8. The total number of points from this indicator is 300. Thus, according to indicator D, the candidate scores 436 points, with 236 points more than the required 200.
- Citation. The presented citations are related to Indicator E of the minimum national requirements and provide 112 points.

Dr. Eng. Dr. Eng. Rosen Radkov has participated in 11 research projects with scientific, applied and educational direction.

The attached acts for implementation of scientific results and 28 documents for acquired qualification are convincing proofs of the scientific and professional competence of the candidate.

In conclusion: *the candidate covers all groups of indicators for administrative position "Associate Professor" in field of higher education "Technical Sciences".*

2. Assessment of the pedagogical preparation and activity of the candidate.

Dr. Eng. Rosen Radkov has more than 30 years of experience as an assistant and chief assistant in the departments of Computer Science and Technology and Software and Internet Technology (SIT) at TU-Varna. He currently teaches 3 disciplines in the Bachelor's degree in SIT (Bulgarian-language and English-language training), 2 disciplines in the specialty "Cybersecurity" at the educational qualification degree "Master" and 2 disciplines in the specialty "Software Engineering - 2.5 years" of the educational qualification degree "Master".

The candidate has one published textbook (manual for laboratory exercises) in the

discipline "Internet servers and services".

As head of the department "Software and Internet Technology", I have direct observations of the candidate's pedagogical activity. I can confidently say that he does an excellent job as a lecturer and lecturer.

In conclusion: the candidate has academic and pedagogical preparation for the administrative position of Associate Professor.

3. Main scientific and scientific-applied contributions.

I accept the scientific-applied contributions presented by the candidate in the groups of publications, mostly related to indicators B and D. I would summarize them as follows:

- A model of a data center (DC) for small organizations and a methodology to ensure high reliability of DCs have been created;
- A model of the environment has been created, defining the threats and the sources that cause them and their impact on DC;
- A verified approach for selection of optimal IT Infrastructure and a verified approach for creating a quality plan for continuity of information security and disaster recovery have been created;
- Reference infrastructures suitable for small organizations have been designed, their reliability models have been created and their quality indicators have been calculated.

4. Significance of contributions to science and practice.

Through the submitted materials for the competition, the candidate has met the quantitative indicators of the criteria for holding the administrative position "Associate Professor" in the field of higher education "Technical Sciences".

The contributions of Dr. Rosen Radkov are important for practice and science.

5. Critical remarks and recommendations.

The materials of the competition are carefully prepared, I have no significant remarks. My recommendation to the candidate is to intensify his publishing activity in publications that are referenced and indexed in world-famous databases.

CONCLUSION

The scientific production presented by Dr. Rosen Radkov and the precise preparation of the documents comply with the Law for Development of the Academic Staff of the Republic of Bulgaria, the Regulations for its application and the Regulations for the terms and conditions for holding academic positions at the Technical University - Varna for the administrative position of "Associate Professor".

After getting acquainted with the summaries of the presented scientific papers, the announced scientific-applied and applied contributions and the established coverage of the minimum national requirements, I propose Dr. Eng. Rosen Radkov to take the academic position "Associate Professor" in professional field 5.3 Communication and Computer Engineering, discipline "Computer Networks and Internet", at the Department of SIT, Faculty of Computer Science and Automation of the Technical University - Varna.

Date: 9.11.2021
TU-Varna

Member of the scientific jury:
/ Assoc. Prof. Dr. Eng. Violeta Todorova I

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