

## REVIEW

in a competition for the academic position of "Associate Professor" by professional field 5.3. Communication and computer equipment, specialty "Computer Networks and Internet" announced in state gazette No. 65 / 06.08.2021.

with candidate chief assistant Dr. Eng. Rosen Stefanov Radkov  
Member of the scientific jury: Prof. Dr. Eng. Rosalina Stefanova Dimova

### **1. General characteristics of the candidate's research and applied research activity**

The candidate in the competition for the academic position of "Associate Professor" for the needs of FITA, Department of Software and Internet Technologies at the Technical University of Varna, is Dr. Eng. Rosen Stefanov Radkov, Chief Assistant in the same department.

Dr. Eng. Rosen Stefanov Radkov participated in the competition with 23 scientific papers. Presented to group "B" of the minimum requirements for the academic position of "associate professor" is his monograph "Continuity of information security. Analysis and management approaches", published by the publishing house of TU-Varna in 2021. The points formed on this indicator are 100.

The publications submitted to group "G" are on two of the indicators of the group. Indicator G.7 has 136 points, formed by 4 scientific publications presented in SCOPUS. Indicator G8 presents 17 scientific publications with scientific review, three of which abroad, which form 300 points. The total amount of indicators of group "G" is 436 points, with a minimum requirement of 200 points. Eight of the publications are written in English and 14 are in Bulgarian. There are 16 author's individual publications.

To group "D", the candidate has presented evidence on three of the indicators. There are three reviews made for a scientific publication, referenced in the Web of Science database (D12-90 points). Three of the publications of Dr. Rosen Radkov are cited twice in SCOPUS (indicator D13 - 12 points). The following works are cited: A1.2; A1.4 and D7.3. In scientific peer-reviewed collections, 4 publications are cited at once. In peer-reviewed journals, 5 publications were cited at once (D14 - 10 points). In group "D" the candidate has 112 points, with a minimum requirement of 50 points.

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

The ability to work with students is extremely important for the academic position for which the application is made. Based on the provided materials, it is evident that Dr. Eng. Rosen Radkov has lectured to students majoring in "Software and Internet Technologies". According to the attached reports, in his capacity as doctor and chief assistant, Eng. Rosen Radkov has led eight lecture courses for students in Bachelor's and Master's degrees, three of which are in English. He has participated in the preparation of 6 curricula in the Bachelor's and Master's degrees. The candidate has submitted a published manual for laboratory exercises in "Internet servers and services" in co-authorship. The requirements of group "Ж" are met, as the sum of the applicant's points ("Ж", indicator 29) is 631.

### **3. Main scientific and applied contributions**

The work of Dr. Eng. Rosen Radkov meets the minimum national requirements for scientific activity to hold the academic position of "Associate Professor". The significance of the contributions in the candidate's scientific works is determined by the fact that they have received publicity and have citations.

The candidate's monograph "Continuity of information security. Analysis and management approaches" presents an analysis of the results of audits, developed a methodology related to business processes in organizations. An approach is proposed to perform an analysis for managing the continuity of information security, which is a significant contribution of the author. I accept the candidate's contributions to the submitted scientific papers and define them as scientific and applied in the field of assessing the reliability and quality of data centers, as well as information security. Given the predominant number of individual publications submitted for the competition, I believe that the contributions are the personal work of the candidate.

#### **4. Significance of contributions to science and practice**

The contributions and citations of the scientific works are proof of the recognition of Dr. Eng. Rosen Radkov as a scientist among the scientific circles in Bulgaria and abroad. He has participated in ten research projects in the internal competitions of the university and in one project under the operational program "Human Resources Development".

The contributions in the candidate's works are applied in practice, in research, as well as in the educational process. 4 acts for assignment and 6 references from companies for the work of eng. Rosen Radkov are presented. He has participated in the creation and equipment of training laboratories on "Cybersecurity", "Structured cabling" and other activities related to the development of the network of TU-Varna, has initiated seminars and more.

Dr. Eng. Rosen Radkov has 65 graduates and 2 completed mobility under the ERASMUS + program, which shows that he successfully implements his knowledge and skills in practice, passing them on to future generations of professionals.

The provided materials show that the quantitative indicators of the criteria for holding the academic position of "Associate Professor" have been met.

#### **5. Critical remarks and recommendations**

I have no significant critical remarks of the materials presented in the competition. The candidate's works are written in good scientific language and with high competence.

My recommendation to Dr. Eng. Rosen Radkov is in his scientific development to continue research in the chosen direction, as the works should be presented in international specialized publications with an impact factor in order to gain greater publicity.

#### **CONCLUSION**

Having in mind the above, my assessment of the scientific and pedagogical activity of Dr. Eng. Rosen Radkov is positive. The national requirements of the law for development of the academic staff in the Republic of Bulgaria and the requirements of the Technical University of Varna are fulfilled.

Based on the acquaintance with the presented scientific papers, their significance, the scientific and applied contributions contained in them, I find it reasonable **to propose Dr. Rosen Stefanov Radkov to take the academic position of "Associate Professor"** in the professional field 5.3. Communication and computer equipment, in the specialty "Computer Networks and Internet".

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JURY MEMBER:

/Prof. Dr eng. Rozalina Dimova/