

OPINION

***From Prof. D.Sc. Eng. Raycho Todorov Ilarionov,
Technical University of Gabrovo,
Department "Computer Systems and Technologies"
On the documents, submitted for participation in a competition for the
academic position "Professor"
in professional field 5.3 "Communication and Computer Equipment",
Academic discipline „Computer Networks”
at the Department of "Computer Science and Technologies"
in Faculty of Computer Sciences and Automation
at Technical University of Varna,
published in the State Gazette issue 110 of 24.12.2021
with candidate Assoc. prof. Veneta Panayotova Aleksieva, PhD***

1. General characteristics of the research and scientific-applied activity of the candidate

The candidate in the competition is Associate Professor Veneta Panayotova Aleksieva, PhD, lecturer in the Department of "Computer Science and Technology", at the "Faculty of Computer Science and Automation" at the Technical University of Varna. Participates in the competition for "professor" with:

- Publications equivalent to habilitation - 16;
 - Other publications - 37;
 - Textbooks and teaching aids - 12.
- Indexed in Scopus and Web of science – 29.
In Bulgarian – 14, In English – 39.

By number of coauthors:

Independent – 2, the candidate is the first author - 25, on the second place – 20 and on the third place – 8.

The documentation that the candidate presents in the competition is complete, well-formed and in accordance with the requirements. Teaching and research are the two main areas that are fundamental in the work of Assoc. Prof. Veneta Aleksieva.

The references attached by the author show the fulfillment of the national minimum requirements and the requirements of Technical University of Varna.

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

Over the years, the candidate has taught the following subjects:

- Computer networks;
- Administration of local and internet networks;

- Internet servers and services;
- Network administration;
- Basics of computer communications;
- Laboratory practice on computer networks;
- Integrated computer systems and networks;
- Design of computer networks;
- E-commerce;
- Information Retrieval on the Internet;
- Wireless communications.

The candidate is author and co-author in the publication of a total of 12 textbooks and teaching aids.

The candidate has led three doctoral students, two of whom are successfully defended.

He has developed 15 curricula (6 for bachelor, 8 for master, 1 for doctor) and participated in the coauthor development of 16 curricula (6 curricula for bachelor, 10 curricula for master).

During the competition period she supervised over 50 graduates, including 19 masters. More than 40 reviews of diploma theses for bachelors and masters have been prepared.

The joint research activity with the students makes a good impression. 10 joint publications at various scientific forums and participation of about 50 students in joint research projects were presented.

3. Main scientific and scientific-applied contributions

The candidate has proposed 15 scientific-applied and 21 applied contributions.

In my opinion, these contributions are very fragmented. If they are united, this will lead to a more global presentation of the candidate's scientific potential.

The scientific contributions of the candidate are in the field of development of simulation models and research of systems from different fields, methodological and software-technological support of organizations and companies, developing and implementing solutions for increasing QoS in communication networks, based on wireless technologies, increasing efficiency in cloud environment, organizing and conducting distance learning and supporting of training in a number of disciplines in the curriculum of the department.

4. Significance of contributions for science and practice.

The contributions in the scientific works of the candidate are significant, both for the science and for the practice in the field of the competition. The criteria for

the academic position "Professor" are related to the law for development of the academic staff in Republic of Bulgaria.

5. Critical remarks and recommendations

The materials of the competition are well structured and their content reflects in detail and correctly the achievements of the candidate. The candidate's contributions, reflecting her scientific and professional work, could also be more widely reflected.

The materials are prepared according to the requirements and I do not see significant critical remarks to the candidate and to the materials submitted for participation in the competition.

6. Personal impressions

I have known the candidate for more than ten years. I can state that she is an established specialist in the field of Internet technologies, her works are at a high scientific level, which can be seen from the citations she has received.

7. Conclusion

Assoc. Prof. Eng. Veneta Panayotova Aleksieva, PhD, presents her scientific works and personal data, which are successfully defending her claims in the competition. In conclusion, the following summaries can be made:

- The candidate Assoc. Prof. Veneta Aleksieva, PhD has presented scientific papers that are sufficient in accordance with the established requirements for the scientific position "Professor".

- She has original creative achievements at a high scientific level, sufficient in volume and significance for awarding of the scientific position "Professor".

Given the above, I propose Assoc. Prof. Eng. Veneta Panayotova Aleksieva, PhD, to be elected as "Professor" in professional field 5.3 "Communication and Computer Equipment", Academic discipline "Computer Networks".

18.03.2022

Member of the scientific jury:
/ Prof. D.Sc. Eng. R. Ilarionov /

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