

R E V I E W

about a competition for the academic position "Associate Professor in

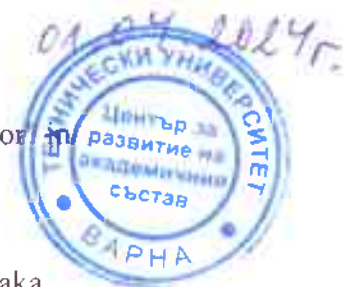
5.3. Communication and computer technology

for the discipline " Basics of computer communications "

announced in SG no. 2 from 05.01.2024

with candidate Chief assistant professor Dr. Aydan Mehmed Haka

Member of the scientific committee: Assoc. prof. Dr. Eng. Ventsislav Georgiev Nikolov



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

Chief assistant professor Dr. Eng. Aydan Haka participates in the competition with 43 scientific publications, in journals and conference proceedings, 25 of which are referenced and indexed in world well-known databases, 31 of the publications are in English, there are 19 Scopus citations.

The correspondence between the minimum national requirements for academic staff development, as well as the additional requirements of the Technical University of Varna for the academic position "associate professor" in professional field 5.3 Communication and computer technology and the fulfilment of the criteria from Dr. Aydan Haka is systematized shortly in the table below.

Group	Indicator	Minimum number of points	Points achieved from A. Haka
Group A	Dissertation for the educational and scientific degree "Doctor"	50	50
Group B	A research work - scientific publications (not less than 10) in journals and proceedings that are referenced and indexed in world well-known databases with scientific information	100	344
Group G	Sum of indicators in group G	200	336.65
	Scientific publication in journals and proceedings that are referenced and indexed in world well-known databases of scientific information		79.99
	Scientific publication in non-referenced peer-reviewed journals or in edited collective volumes		256.66
Group D	Sum of indicators in group D	50	190
	Citations or reviews of scientific publications in journals or proceedings referenced and indexed in world well-known databases of scientific information or in monographs and collective volumes		190
	Citations or reviews of scientific publications in non-referenced peer-reviewed journals		0
Group J	Minimum number of hours for lectures conducted at TU-Varna for the last three years	30	150

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

In the last three years Dr. Aydan Haka has conducted a total of 1313 teaching hours as follows:

- 653 hours for bachelor students, 150 hours of which are lectures, 353 laboratory exercises, 150 course project. Disciplines: Basics of computer communications, Computer networks, Administration of local and Internet networks, Computer architectures and networks.
- 360 hours for master degree students, 270 from which are laboratory exercises, 90 hours course work. Disciplines: Network infrastructures, Internet servers and technologies, Wireless communications.
- 300 hours AEO preparatory course in Informatics.

He participated in the preparation of a study program in Computer Architectures and Networks.

Dr. Aydan Haka has also achieved international mobility.

As an assistant professor and chief assistant professor at Technical university of Varna Dr. Aydan Haka has a significantly higher number of teaching hours than required.

3. Main scientific and scientific-applied contributions.

The contributions are a large number and are divided into the following groups:

- Research in the field of methods and means to improve the quality of service in wireless sensor technologies for IoT;
- Research in the field of computer technologies and communications.

Most of the publications and scientific activities are in the first group. The most significant contributions are related to the running and evaluation of different types of simulations, as well as the storage and monitoring of IoT data. Various logistics and control systems are also proposed.

I accept the contributions presented by Dr. Eng. Aydan Haka and according to me they are mainly applied-scientific with some scientific elements

4. Significance of the contributions for the science and practice.

The scientific works of Dr. Aydan Haka consider contemporary and frequently observed questions and original solutions are presented for them. Important conclusions on a number of scientific and scientific-applied problems are analyzed and summarized. The presented works and references show coverage of all criteria and indicators of the minimum national requirements, and for some indicators they are much more than required. In addition to the high level of teaching-methodical and scientific-research work Dr. Eng. Aydan Haka has also made a significant contribution at the university and national level, as evidenced by the awards received at scientific conferences.

5. Critical remarks and recommendations.

I have no critical notes. The submitted materials are sufficient to meet the criteria for the academic position "associate professor".

CONCLUSION

Considering the presented scientific works, the scientific, scientific-applied and applied contributions contained in them, as well as all other indicators related to the educational and pedagogical work of Dr. Eng. Aydan Haka, I find it reasonable to propose that she take the academic position of "associate professor" in professional field "5.3. Communication and computer technology" in the study discipline "Basics of computer communications", at the Faculty of Computing and Automation, Department of "Computer Science and Engineering".

Date: 1.04.2024

MEMBER OF THE SCIENTIF

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