

OPINION



on a competition for the occupation of an academic position "Associate Professor" in the field of higher education 5. Technical sciences, professional direction 5.3. Communication and computer technology, course "Fundamentals of computer communications" announced in SG No. 2/05.01.2024, with candidate Dr. Eng. Aydan Mehmed Haka
Member of the scientific jury: Prof. Dr. Eng. Rozalina Dimova

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

The candidate in the competition for the academic position "Associate Professor" for the needs of the department "Computer systems and technologies", faculty "Computing technology and automation", Technical University of Varna, is Dr. Eng. Aydan Mehmed Haka, chief assistant in the same department. He joined the department as an assistant in 2017 and was elected as the chief assistant in 2021.

Dr. Eng. Aydan Haka defended the PhD degree in 2020. To the group of indicators "B" of the minimum requirements for occupying the academic position "associate professor" he submitted 19 publications referenced in SCOPUS. The points formed by this indicator are 344.

The publications submitted to group "D" are 336.65 with a minimum requirement of 200 points. They are six publications according to indicator D7 - 79.99 points and 18 publications with scientific review - D.8, two of which were presented abroad, forming 256.66 points. Seven of the publications were written in English. Eight publications are independent.

According to indicator D12, 19 citations of 8 publications in scientific publications, referenced and indexed in world-famous databases are presented (D12 - 1901).

Dr. Eng. Aydan Mehmed Haka has worked and continues to work in the field of the methods and means of improving the quality of service in wireless sensor technologies for IoT and research in the field of computer and communication technologies. The submitted materials, scientific publications and citations characterize the candidate as a researcher with outstanding research skills.

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

Dr. Eng. Aydan Haka conducts lecture courses on the subjects "Computer networks", "Basics of computer communications", "Administration of local and Internet networks" and "Computer architectures and networks". Conducts laboratory exercises and a course project.

He participated in the development of a curriculum for the discipline "Computer Architectures and Networks". He is a co-author of a manual for laboratory work on "Wireless Communications", published in 2020.

Total points for the author according to indicator Ж.29 are 150 with minimum requirements of 30 points.

Dr. Eng. Aydan Haka is participating in teaching mobility under the Erasmus+ program in Turkey.

He has an additional professional qualification as a teacher of Informatics and Information Technologies, Technical University of Varna.

3. Basic scientific and applied scientific contributions.

The work of Dr. Eng. Aydan Haka exceeds the minimum national requirements for scientific activity for holding the academic position of "associate professor". 43 scientific publications are presented. The significance of the applicant's achievements is determined by the fact that they have been published and the publications have been cited in world-renowned databases. Of the publications, 31 are in English and 12 in Bulgarian. It is undoubtedly the candidate's personal and leading role in scientific publications. In 31 of the publications he is the first author and 8 are independent.

I accept the candidate's contributions in the provided scientific works and define them as scientific and applicable for enriching existing knowledge, obtaining confirmatory facts and creating new methods in the areas of: cyber security in communication and information systems, research in the field of improving the quality of service in wireless sensor technologies for IoT and research in computing and communications.

Proposed models and software are suitable for use in the teaching activities of the department.

4. Basic scientific and applied scientific contributions.

The work of Dr. Eng. Aydan Haka exceeds the minimum national requirements for scientific activity for holding the academic position of "associate professor". 43 scientific publications are presented. The significance of the applicant's achievements is determined by the fact that they have received publicity and the publications have been cited in world-renowned databases. Of the publications, 31 are in English and 12 in Bulgarian. It is undoubtedly the candidate's personal and leading part in scientific publications. In 31 of the publications he is the first author and 8 are self contained.

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5. Significance of contributions for science and practice.

Contributions in the candidate's works find application in practice, in scientific research, as well as in the educational process. Dr. Eng. Aydan Mehmed Haka has participated in 12 scientific projects.

Participates as an independent evaluator at the Scientific Research Fund from 2022.

The contributions and citations of the scientific works, 19 in number, are proof of his recognition as a scientist among the scientific bodies at home and abroad. Two of his publications have a Best Paper Award. It has an h-index 4 in the Scopus database.

He is a member of the organizing committee of two conferences and has prepared 3 reviews at international conferences.

He is a member of the Federation of Scientific and Technical Unions in Bulgaria, Territorial Organization of Scientific and Technical Unions – Varna.

The above proves that the candidate successfully implements his knowledge and skills in practice.

6. Critical notes and recommendations.

The candidate's papers are written in good scientific language and competently. The materials provided show that the quantitative indicators of the criteria for holding the academic position "associated professor" have been met, and I have no substantive critical remarks.

My recommendation is in his scientific development Dr. Eng. Aydan Mehmed Haka to continue research in the selected areas, directing efforts to be part of an international projects, and the developments be published in publications with an Impact factor in order to gain greater publicity

CONCLUSION

The materials of Dr. Eng. Aydan Mehmed Haka research, proposed for my opinion, are sufficient in volume and content. The candidate's scientific production has sufficient contributions and has been popularized outside the country. The candidate meets the national requirements.

Based on the familiarization with the presented scientific works, their importance, the scientific and applied contributions contained in them, I find it reasonable to propose Dr. Eng. Aydan Mehmed Haka to occupy the academic position of "Associate Professor" in the field of higher education 5.Technical Sciences, professional direction 5.3. Communication and computer technology, course "Fundamentals of computer communications".

15.04.2024

MEMBER OF THE JU

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