

OPINION

by Assoc. Prof. Galina Ivanova Ivanova, University of Ruse „Angel Kanchev“

in a competition for the academic position of "Professor" in the field of higher education: 5. Technical Sciences", in professional field: 5.3. Communication and Computer Engineering, specialty – “Automated Information Processing and Management Systems” (Internet-based systems, Databases in industrial systems, Technology of cyber-physical systems)

In the competition for a professor, announced in the State Gazette, issue 48/13.06.2025 and on the website of TU-Gabrovo for the needs of the Department of "Automation, Information and Control Engineering" at the Faculty of "Electrical Engineering and Electronics", Assoc. Prof. Dr. Eng. Aldeniz Enverov Rashidov participated as a candidate.

1. Overview of the content and results in the presented work

According to the submitted report, Assoc. Prof. Dr. Eng. Aldeniz Enverov Rashidov participated in the competition for the academic position of "Professor" with the following scientific production, as follows by the relevant groups of indicators:

- Group B.4. Habilitation thesis, scientific publications in publications that are referenced and indexed in world-renowned databases of scientific information – 12 .
- Group Г.7. Scientific publications in publications that are referenced and indexed in world-renowned databases of scientific information – 10 .
- Group Г.8. Scientific publications in non-refereed journals with scientific review or in edited collective volumes – 33 .
- Group E.23. Published university textbook/books used in the school network – 3 .
- Group E.24. Published university handbook used in the school network – 2 .

The total number of articles and reports is 55, with the minimum requirements of TU-Gabrovo for the academic position of "professor" - 30. 9 articles are included, 4 articles are with IF (with a minimum requirement of 3 with IF). 23 of the publications are with one author (with a minimum requirement of 5). A reference for 3 published textbooks/books is submitted (with a minimum requirement of 2).

In accordance with the specialty of the competition "Automated Information Processing and Management Systems", the presented publications and contributions in them can be divided into three main thematic areas:

- Applications of artificial intelligence for automation and optimization of processes;
- Automated systems for information processing and management;
- Digitalization of educational and administrative processes.

The areas in which the candidate conducts his scientific and applied research are related to current topics and problems. Based on the materials presented in the competition, I assess the contributions of Assoc. Prof. Aldeniz Rashidov as significant for the indicated areas.

A report is presented with a list of 51 citations in total (with a minimum requirement of 20).

The quantitative indicators presented in the report on the implementation of the minimum national requirements and the requirements of the Regulations for the acquisition of scientific degrees and holding academic positions at the Technical University - Gabrovo exceed the minimum requirements for acquiring the academic position of "Professor".:

- For Group A indicators – with a minimum requirement of 50 points, the candidate submits 50 points.
- For Group B indicators – with a minimum requirement of 100 points, the candidate submits 630 points.
- For Group Г indicators – with a minimum requirement of 100 points, the candidate submits 696 points.

- For Group Д indicators – with a minimum requirement of 100 points, the candidate submits 269 points.
- For Group E indicators – with a minimum requirement of 150 points, the candidate submits 290 points.

2. General characteristics of the candidate's activities

2.1. Educational and pedagogical activity (work with students and doctoral students)

From 1999 until now, Assoc. Prof. Dr. Aldeniz Enverov Rashidov has been working in the Department of Automation, Information and Control Engineering at the Faculty of Electrical Engineering and Electronics of the Technical University of Gabrovo, holding the academic positions of "Assistant", "Senior assistant" and "Chief assistant". From 2010 until now, he is an "Associate Professor" in the same department.

Assoc. Prof. Dr. Aldeniz Rashidov has taught classes:

- for the Bachelor's degree in the disciplines "Databases in Industrial Systems", "Industrial Networks and Interfaces", "Internet-Based Systems", "Programming of Mobile Devices", "Technology of Cyber-Physical Systems", "Information Systems and Databases in Technical Safety", "Microcontrollers in Control Systems“;
- for the "Master" qualification in the disciplines "Industrial Information Systems", "Information Systems in Occupational Safety", "Information Systems for Personnel Management", "Internet-based Systems in the Social Sphere“;
- for the educational and scientific degree "Doctor" in the disciplines "ICT in research", "Industrial networks and systems", "Internet-based information systems", "Databases", "Programming of mobile devices“.

Assoc. Prof. Aldeniz Rashidov has also lectured at other higher education institutions in the country and abroad: “Internet-based systems in the social sphere” (in a joint curriculum with VTU “St. Cyril and Methodius”), “Digital recognition and identification of faces and objects” (in Varna Free University “Chernorizets Hrabar”), “Cyberphysical systems. Internet of Things (IoT). The Microsoft Azure platform” (in Alanya Alaaddin Keykubat University, Turkey), “Cyberphysical systems. Internet of Things (IoT). The Microsoft Azure platform” (in NEVŞEHİR HACI BEKTAŞ VELİ UNIVERSITY, Turkey), “Cyberphysical systems. Internet of Things (IoT). The Microsoft Azure platform” (in Alanya Alaaddin Keykubat University, Turkey), “Cyberphysical system” (lectures at CEEPUS 2021 Summer School, “Internet of Things – Challenges, Applications, Trends”, Network: CIII-PL-1509-01-2021), “Web-based industrial information system” (in Trakya University – Edirne, Turkey), “Web Databases in Production Systems” (at Namik Kemal University – Corlu, Turkey).

Assoc. Prof. Aldeniz Rashidov has participated in the development of 16 curricula and has supervised 43 graduates in the Bachelor's and 8 in the Master's degree programs.

Assoc. Prof. Aldeniz Rashidov has supervised 6 doctoral students, of whom 1 successfully defended, 3 were dismissed with the right to defend, 1 transferred to another university and 1 is active.

The above data are taken from the attached CV and reports in the provided documents.

2.2. Scientific and applied scientific activities

Assoc. Prof. Aldeniz Rashidov has participated in two projects under the operational program "Science and Education for Smart Growth", one project under the Leonardo da Vinci program, one project under the Erasmus+ Strategic Partnerships program, one project under the National Research Fund, three projects under the operational program "Human Resources Development", and he was the head of one of them with the topic "Improvement of management processes at TU-Gabrovo through the application of information technologies".

Assoc. Prof. Aldeniz Rashidov has also participated in 18 internal scientific/educational projects of the Technical University - Gabrovo, and he was the head of 9.

2.3. Implementation activity

Assoc. Prof. Aldeniz Rashidov has indicated in the report "Implemented Creative Achievements" the following implementations:

- Implemented and in the process of operation University Information System - UMIS at Technical University - Gabrovo, University of Food Technology - Plovdiv and Technical University - Varna.

- Implemented and in the process of operation "Virtual environment for year-round online exams" at Technical University - Gabrovo.

- Implemented and in the process of operation "Virtual environment for year-round admission of candidate student documents" at Technical University - Gabrovo.

I assess the implementation activity of the candidate as very important, since it is related to solving tasks for candidate student admission, exams and the information system at TU-Gabrovo.

3. Contributions. Significance of contributions for science and practice

The self-assessment of contributions presented by Assoc. Prof. Aldeniz Rashidov formulates scientific, scientific-applied and applied contributions that correspond to the professional field 5.3 "Communication and Computer Engineering". I accept the contributions defined by the candidate and believe that they are fully sufficient for holding the academic position of "Professor".

4. Assessment of the candidate's personal contribution

After reviewing the submitted papers, I am convinced that the results achieved from the research and development are made by Assoc. Prof. Aldeniz Rashidov. Proof of this are many independent publications and those with significant participation on his part. I consider the presence of joint publications as a positive point and they are proof that the candidate has good skills for teamwork. With the submitted papers, Assoc. Prof. Aldeniz Rashidov demonstrates that he is an established scientist with in-depth knowledge and skills for scientific research and teaching activities..

5. Critical notes and recommendations

After analyzing the scientific work and its significance, I find it justified to give my positive assessment. I have no critical remarks on the substance of the documents presented.

6. Personal impressions

I know Assoc. Prof. Aldeniz Rashidov from his participation in the National Scientific and Practical Conference "Digital Transformation of Education - Problems and Solutions" at the University of Ruse. Assoc. Prof. Aldeniz Rashidov is a person with proven professional qualities. The documents for the competition show significant professional experience in teaching, scientific and implementation activities. I believe that the information presented regarding the candidate's academic work and scientific production meets the requirements for holding the academic position of "professor", according to the Act on the Development of the Academic Staff in the Republic of Bulgaria and the Regulations for its implementation, as well as the Regulations for the Acquisition of Scientific Degrees and Holding Academic Positions at TU - Gabrovo.

7. Conclusion:

Considering the above, I propose that Assoc. Prof. Dr. Eng. Aldeniz Enverov Rashidov be elected as a "professor" in the field of higher education - 5. Technical Sciences, professional field - 5.3. Communication and Computer Engineering, specialty - specialty - "Automated Information Processing and Management Systems" (Internet-based systems, Databases in industrial systems, Technology of cyber-physical systems).

18.10.2025

Jury member:

/Assoc. Prof. Galina Ivanova/