



О P I N I O N

in a competition for the academic position of "Associate Professor"

in the field of higher education 5. Technical sciences, professional field 5.3. Communication and computer equipment, announced in the State Gazette, issue 45, pp. 182 / 28.05. 2021 for the needs of the section "Distributed information and control systems" of ICT-BAS.

The opinion was prepared by: Prof. DSc. Ivan Ganchev Garvanov, Professor at the University of Library Science and Information Technology, as a member of the scientific jury of the competition, according to Order № 178 / 16.07.2021 of the director of ICT.

Only a candidate has submitted documents for participation in the announced competition: Assistant Professor PhD. Vladimir Nikolaev Ivanov, ICT-BAS

1. Details of the application

For participation in the competition Assistant Professor Dr. Vladimir Nikolaev Ivanov has submitted a total of 24 publications, of which 1 monograph (2021), 7 publications indexed in Scopus and WoS (6 of them with SJR) and 16 publications in non-referenced editions. The attached scientific papers were not used to obtain the educational and scientific degree "Doctor" (in 2015) and are on the subject of the competition.

Other documents are also presented, such as: Professional CV; Copy of the Diploma for acquired educational and scientific degree "Doctor" with number 000563 / 21.04.2015, issued by ICT-BAS under the doctoral program "Communication and Computer Engineering"; Medical certificate; Criminal record certificate; Certificate

for internship in the specialty according to the requirements of Art. 29 para. General list of the candidate's publications 36 of which 24 publications on the competition; List of citations in the competition for "associate professor", with 17 citations of 5 publications of the candidate; Summaries of publications for participation in the competition in Bulgarian and English; Copies of the works for participation in the competition; Information for fulfillment of the minimum national requirements under art. 2b, para 2 and 3, and of the requirements under art. 2b, para. 5 of ZRASRB, as well as the minimum requirements of IICT-BAS, which shows that the candidate meets them and by groups of indicators has the points as follows: Group A - 50 points; Group B - 100 tons; Group D - 423.33 points; Group D - 370 points; Group E - 105 points; Information about the original scientific contributions in the works for participation in the competition in Bulgarian and English; Declaration for the absence of plagiarism and a copy of the State Gazette with the announcement of the competition.

2. Details of the candidate

Ch. Assistant Professor Dr. Vladimir Ivanov defended his dissertation on "Development of software for modeling multifunctional electronic circuits", on April 2, 2015. Since the same year he has been a senior assistant at IICT-BAS. The scientific interests and professional experience of the candidate are focused on: Signal processing, image processing, implementation of algorithms in programmable logic matrices, solving optimization problems for the needs of transport.

3. General characteristics of the scientific works and achievements of the candidate

As noted in item 1 of this opinion, the candidate fulfills the quantitative indicators of the criteria for holding the academic position of "Associate Professor" according to the Law on the Application of the Law on Associations and the Regulations for its implementation. Articles with numbers: D7.7, D8.12, D8.14 will not be reviewed by

me due to co-authorship with the candidate in them. The candidate is visible in Scopus, as the number of his publications is 11 and the h-index is 3.

As of the date of compiling the author's reference, 17 citations have been noticed in publications with scientific review, without citations of co-authors and auto-citations. No plagiarism was found in the scientific papers submitted by the candidate.

4. Analysis of the scientific and scientific-applied achievements of the candidate, contained in the materials for participation in the competition

The scientific publications presented at the competition were received during the implementation of 9 research projects with national and international funding. In two of the projects, the applicant is a manager and in the others a contractor. One of the projects is international and one of the projects is ongoing. A logical continuation of the candidate's research is the monographic work [1] in which issues of modern transport systems and management processes are considered and resolved.

The candidate's contributions are both scientific and scientifically applied. In his research he confirms some known facts, enriches the existing knowledge with new facts and suggests some of the newly obtained scientific results to be applied in practice.

5. Critical remarks and recommendations

The candidate chief assistant Dr. Vladimir Ivanov has not attached a reference for his teaching employment as well as the number of disciplines he has read, the names of the universities in which he teaches and the number of successfully defended graduates under his leadership. This information is not to be ignored and I ask the applicant to comment on it on the date of finalization of this procedure.

6. Personal impressions of the candidate

I have the pleasure to know Ch. Assistant Professor Dr. Vladimir Ivanov for several years, as in the last five, he is a part-time lecturer at the Department of Information

Systems and Technologies headed by me at UniBIT and takes an active part in the training of students and graduates. Together with Dr. Ivanov we have several scientific publications and I can only express my satisfaction that we work together. He is extremely capable, hardworking, dedicated and ambitious. I can only say good things about him. I believe that he is a full-fledged researcher and teacher with enviable knowledge and skills and I will be happy to continue working in the future with this enthusiasm.

7. Conclusion on the application

After getting acquainted with the materials and scientific works presented in the competition and on the basis of the analysis of their significance and the scientific and scientific-applied contributions contained in them, I confirm that the scientific achievements meet the requirements of ZRASRB, PPZRASRB, the procedure for acquiring scientific degrees and for holding academic positions in IICT-BAS and the Regulations for its implementation in IICT-BAS.

Assistant Professor Dr. Vladimir Nikolaev Ivanov satisfies the minimum national requirements in the professional field and no plagiarism has been established in the scientific papers submitted at the competition.

I give my positive assessment of the candidacy.

II. Overall conclusion

I fully believe my positive assessment and recommend to the esteemed Scientific Jury to propose to the Scientific Council of IICT-BAS to elect Assistant Professor Dr. Vladimir Nikolaev Ivanov to the academic position of "Associate Professor" in the field of higher education 5. Technical sciences, professional field 5.3. Communication and computer equipment.

01.09.2021



(Prof. DSc. Ivan Garvanov)