

REVIEW

by **Prof. DSc Ivan Ganchev Garvanov**

University of Library Studies and Information Technologies,
member of a scientific jury according to Order No. 115/04.05.2022 of the
Director of IICT-BAS and Decision of the Scientific Jury dated 18.05.2022, on a
competition for the academic position "professor", field of higher education 4.
"Natural Sciences, mathematics and informatics", professional field 4.6
"Informatics and computer sciences", published in the State Gazette, issue no. 21
of 15.03.2022 for the needs of the "Information processes and decision-making
systems" section

The only candidate in the competition is: Assoc. Prof. PhD Vasil Georgiev
Gulyashki

I. BRIEF BIOGRAPHICAL DATA ON THE CANDIDATE

Assoc. Prof. PhD Vasil Gulyashki graduated from the Higher Mechanical
and Electrical Engineering Institute „V. I. Lenin”, Sofia (now Technical
University) in 1988. In 1992, he obtained the educational and scientific degree
"doctor" (candidate of technical sciences) at the Institute of Informatics of the BAS.
Since 2009, he has held the position of Senior Research Associate II degree in the
„Decision Support Systems“ section of IIT-BAS, and since 2010 he has been an
„Associate Professor“ in the „Information Processes and Decision Support
Systems“ section at IICT - BAS.

II. ASSESSMENT FOR COMPLIANCE WITH MINIMUM NATIONAL REQUIREMENTS AND REQUIREMENTS OF IICT-BAS

The candidate Assoc. Prof. PhD Vasil Gulyashki participated in the

competition for the academic position of "professor" with 22 publications, as follows: one collective monograph, one collective book, one chapter of a book; 7 articles in journals and series, 11 conference papers. Of the works presented, only the monograph is in Bulgarian, all the others are in English.

The attached scientific works were not used for the acquisition of the educational and scientific degree "doctor" and for the occupation of the academic position "associate professor" and are in the subject of the competition.

According to the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for its Implementation and the Regulations for the Specific Conditions for Acquiring Scientific Degrees and for Holding Academic Positions at IICT-BAS, the candidate for the academic position of „Professor“ is evaluated against the fulfillment of the conditions under Art. 60, para. 1 and 2 and in accordance with the information from the references under Art. 60, para. 3.

From the attached documents, it can be seen that the candidate holds a Diploma for Doctor No. 23432 dated 20.02.1995 issued by the State Administrative Court, which satisfies Art. 60, para. 1(1) for acquired educational and scientific degree „doctor“.

From the submitted resume and Service Note for work experience, which shows that the candidate has been an „associate professor“ for 13 years, Art. 60, para. 1(2), which requires the candidate for professor to have held the academic position of „associate professor“ in the same or in another higher school or scientific organization for not less than two academic years or not less than five years.

From the certificate of fulfillment of the minimum national requirements and the certificate of original scientific and scientific-applied contributions, Art. 60, para. 3.

The fulfillment of the minimum national requirements for the groups of indicators for the academic position „professor“ is as follows:

For group „A”, the candidate has submitted a certificate to prove the educational and scientific degree „doctor”.

For group “B” – the candidate has submitted information on 7 publications indexed in the ACM Digital Library, Scopus and/or Web of Science, which forms a total of 120 points out of the required 100 points.

For group „G”, the sum of the indicators from 5 to 10 forms a total of 265 points out of the required 260 points. These points are formed by the presented 15 scientific works, 12 of which are indexed in Scopus and 3 are book chapters.

For group „D”, the sum of points is 384 with a required 140 points. These points are obtained from 71 citations of 19 publications of the candidate.

For group „E“, the sum of the indicators from 12 to the end forms a total of 283.1 points out of the required 150 points. These points are formed by: doctoral student (1 point); participation in a national scientific project (1 item); participation in an international scientific or educational project (7 items); management of a national scientific project (3 pcs.); attracted funds for projects managed by the applicant.

From the analysis made in this way, it was established that the evidence presented by Assoc. Prof. Vasil Gulyashki significantly exceeds the specified minimum national requirements set in ADASRB, the regulations of its application, as well as the specific requirements of IICT-BAS for occupying the academic position of „professor“ in PF 4.6. "Informatics and computer science".

When a query was made on 07/04/2022 about the candidate's scientometric indicators in Scopus, Web of Science and Google Scholar, the following was found:

The number of publications in Scopus is 32, the number of citations is 110 and the h-index is 5.

The number of publications in WoS is 23, the number of citations is 39 and the h-index is 2.

The number of citations in Google Scholar is 438 and h-index 8.

III. MAIN CONTRIBUTIONS IN THE SCIENTIFIC AND SCIENTIFIC-APPLIED ACTIVITY OF THE CANDIDATE

I believe that the publications presented by the candidate for review in the competition are for the most part his personal work, despite the co-authorship of some of them. The presence of more than one author in the publications shows that he manages to work well in a team and obtain high scientific results, which is confirmed by the places of their publication.

The contributions presented by Assoc. Prof. Gulyashki are of a scientific and scientific-applied nature. I accept the candidate's contributions as significant, real and enriching existing theory and practice. They are in the field of the theory of optimal design and implementation of technical systems; in the field of multi-criteria optimization and in the field of single-criteria optimization.

IV. CRITICAL NOTES AND RECOMMENDATIONS

I allow myself to recommend Assoc. Prof. Dr. Vasil Georgiev Gulyashki to be the scientific supervisor of more doctoral students, in order to pass on his rich scientific and teaching experience to the next generation of Bulgarian teachers and researchers.

V. CONCLUSION

After having familiarized myself with the materials and scientific works presented in the competition and based on 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 ADASRB, the regulations of its application, and the Regulations on the conditions and the procedure for obtaining scientific degrees and for occupying academic positions at IICT-BAS. Associate Professor Vasil Georgiev Gulyashki, Ph.D., meets the minimum national

requirements in the professional direction and no plagiarism has been found in the scientific works submitted to the competition.

All this gives me the reason to categorically give my positive assessment to the candidacy of Assoc. Prof. Dr. Vasil Georgiev Gulyashki and I propose to the honorable scientific jury to vote on a proposal to the Scientific Council of the Institute of Information and Communication Technologies at the BAS to elect Assoc. Prof. Dr. Vasil Georgiev Gulyashki at the academic position „professor” in professional field 4.6 "Informatics and computer sciences".

04.07.2022 г.

Reviewer:

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