

Opinion

in a competition for an academic position "Associate Professor" in a professional direction 4.6. Informatics and Computer Science (Programming), for the needs of Sofia University "St. Kliment Ohridski "(Sofia University), Faculty of Mathematics and Informatics (FMI), announced in SG no. March 15, 2022 and on the websites of FMI and Sofia University

This opinion was prepared by Prof. Dr. Vasil Georgiev Tsunizhev - FMI, Sofia University "St. Clement Ohridski ",

in his capacity as a member of the scientific jury in the field of higher education 4. Natural sciences, mathematics and informatics, professional field 4.6. Informatics and Computer Science competition according to Order No. RD 38-232 / 11.05.2022 of Rector of Sofia University

with a single candidate Ch. Assistant Professor Dr. Ivan Georgiev Hristov, Department of Computer Informatics, FMI, Sofia University "St. Kliment Ohridski".

1. Details of the application and the candidate

The documents submitted by the candidate under the competition comply with the requirements of the Law for the development of the academic staff in the Republic of Bulgaria, of the Regulations for the application of this law and of the Regulations for the conditions and the order for acquisition of scientific degrees and holding academic positions at the Faculty of Mathematics and Informatics at Sofia University "St. Kliment Ohridski ".

For participation in the competition the candidate Ch. Assistant Professor, Dr. Ivan Georgiev Hristov presented a list of a total of 37 publications, publications and scientific forums. The candidate participates in the competition with 12 of these publications that are in international publications and forums or those with international participation.

The candidate has submitted a list of 15 documents proving his results, which are in compliance with the requirements of the cited laws and regulations for participation in a competition for "Associate Professor".

Ch. Assistant Professor Dr. Ivan Georgiev Hristov has a Bachelor's degree in Applied Mathematics since 2004, Master's degree in Computational Mathematics since 2007 and Doctor in Mathematics (Mathematical modeling and application of mathematics) since 2014. All three degrees are received in FMI at Sofia University "St. Kliment Ohridski ".

According to the attached CV and my impressions of the work of cat. Computer informatics the teaching activity of the only candidate in the thematic direction of the competition in the period 2019 - 2022 includes the following three disciplines: Introduction to Programming,

Object Oriented Programming and Data Structures and programming (the latter as a lecturer) for students from specialists in the field Mathematics. Additionally, I can add that the teaching work of Ch. as Ivan Hristov characterizes him as an established teacher in the cited disciplines.

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

The thematic directions of the 12 publications presented by the candidate in the competition are Parallel Calculations and Numerical Experiments (on models in Josephson contacts).

Brief overview of the compliance of the proven quantitative results with the minimum ones requirements of the regulations is given in the following table:

Group indicators	A	B	Г	Д
Results of the candidate		120 (4 * 30 t.)	200	56
Minimal requirements	50	100	200	50

From the review of the submitted documents on the competition I came to the conclusion that the scientific works meet the minimum national requirements (under art. 2b, para 2 and 3 of ZRASRB) and respectively to the additional requirements of Sofia University "St. Kliment Ohridski" for holding the academic position of "associate professor" in the scientific field and professionally direction of the competition. The scientific papers presented by the candidate do not repeat such from previous procedures for acquiring a scientific title and academic position - in his case the procedure for acquiring ONS Doctor. I do not know of any proven plagiarism in the scientific papers submitted at the competition.

3. Personal impressions and recommendations to the candidate

In connection with the fact that the candidate is applying for a competition in the field of 4.6 Informatics - and when occupying the academic position for which he is applying, he will develop professionally in this field for a long period of his career - it is recommended henceforth to pay more attention to the fields of application of those obtained from it mathematical results. In particular with regard to parallel calculations except reporting the results obtained in numerical experiments is good to address specific parameters of the

processing computer architecture or infrastructure, which are a factor in the experimentally obtained results (delays, speedup) - in a positive or negative direction. My personal impressions of the candidate, whom I have known for more than 10 years, are completely positive: competent and willing to cooperate colleague.

4. Conclusion for the application and the competition

The materials and scientific papers reviewed by me on the competition in connection with the analysis of their value and contributions give me reason to confirm that they are on the candidate's side met the minimum requirements of ZRASRB, as well as the two accompanying the regulations for holding the academic position of "associate professor" in the scientific field and professional direction of the competition. I give my positive assessment of the candidacy.

I recommend to the scientific jury to propose to the Faculty Council of the Faculty of Mathematics and Informatics at Sofia University "St. Kliment Ohridski" to choose a chief assistant Dr. Ivan Georgiev Hristov in the academic position of "Associate Professor" in a professional field 4.6. Informatics and Computer Science.

Signature:

(Prof. Dr. Vasil Tsunizhev)