

OPINION BY COMPETITION
FOR LOAN
OF ACADEMIC POSITION ASSOCIATE PROFESSOR

at the Institute of Mathematics and Informatics - BAS

2022

professional field: 4.6 Informatics and computer science,
(Context-based Information Systems), announced in SG no. 91 / 02.11.2021

CANDIDATE: Dr. Boris Blagovestov Shishkov

PREPARED THE OPINION: Prof. D.Sc. Hristo Augustov Kabakchiev -
SU "St. Kl. Ohridski ", FMI, dep. ST.

1. General characteristics of the scientific and scientific-applied and teaching activity of the candidate.

In the competition for associate professor they are presented for review by Dr. Boris Shishkov, one monograph and 20 refereed publications in proceedings of international conferences. They are all in Latin. The articles have been published in prestigious international publications such as Springer-Verlag, IEEE Computer Society and SCITEPRESS. Most of the competition's publications are indexed in Scopus and the Web of Science.

Regarding the fulfillment of the minimum requirements by a candidate in a competition for the academic position "Associate Professor" at IMI-BAS, he to have submitted: - a monograph and at least 5 publications or - at least 10 publications; of which, at least 5 must be in journals or proceedings of international conferences; - evidence of at least 5 citations, as well as the additional requirements according to the "Classifier of the fields of higher education and professional fields".

From the submitted documents on the competition, and from the attached Certificate for fulfillment of the minimum requirements by a candidate in a competition for the academic position "Associate Professor" at IMI-BAS ", of the candidate, it follows that he successfully exceeds the minimum requirements for associate professor at IMI - BAS.

Therefore, the candidate in the competition for associate professor at IMI-BAS, Ph.D. Boris Blagovestov Shishkov, significantly exceeds the requirements of IMI-BAS and these national requirements.

The candidate is also a participant in several European and Dutch research projects, such as: FP7 COncORDE (2015 - consultant), Li-La (Library of Labs: Portal Based Access to Virtual Labs and Remote Experiments (2009, 2010, 2011 - participant), AOSD : Aspect - Orientated Software Development (2007, 2008 - participant), A-MUSE: Architectural Modeling for Service Enabling (2006 - participant), AWARENESS: Context-aware Mobile Networks and Services

(2005 - participant) and BETADE: Re-usable Business Engineering Buildings Blocks (2001, 2002, 2003, 2004 - participant).

2. Regarding the scientific and scientifically applied activities of the candidate.

The scientifically applied works of the candidate show that he continues to develop his skills and gets new for him scientific, applied and methodological results using assimilation in the work on the dissertation, applied to other tasks and scientific fields, such as: organization of business information systems, business processes and their software applications, which represent the novelty of the solved tasks in scientific and scientific-applied aspect.

After completing a master's degree with honors at Sofia University "St. Kliment Ohridski", in Management Information Systems in 1999, he defended his doctoral dissertation on "Structuring software systems based on adaptive business modules" at TU Delft, the Netherlands in 2005.

He has worked at several Dutch universities such as the University of Twente and TU Delft, as a postdoctoral fellow and assistant professor. He has specialized in several universities, such as: University of Reading, Staffordshire University, UK, and Aristotle University of Thessaloniki, Greece. From 2015 until now he has been working as an assistant at the Bulgarian Academy of Sciences at the Institute of Mathematics and Informatics. From 2018 until now he is an associate professor at UniBIT.

He has been chairman since 2007 of the Interdisciplinary Institute for Research and Cooperation in Business Systems and Technologies, and is a longtime moderator of the International Symposium on Business Modeling and Software Design (www.is-bmsd.org).

Regarding the teaching activities, I note the candidate. He participated in the management of doctoral students, as stated in the recommendation of Assoc. Prof. Dr. Martin van Sinderen, in the period 2005-2008, as a post-doctoral student at the University of Twente - The Netherlands. In the period 2008-2010, he was an assistant at TU Delft, the Netherlands. There he participated in the teaching activities at the Technical University, he taught lectures, was a quaestor, participated in the evaluation of students. Since 2018 he has been an associate professor at UniBIT, where he leads regular teaching activity.

3. Analysis and nature of the scientific contributions and applied achievements of the candidate.

I acknowledge all the contributions of the candidate so proposed in the report on his contributions. According to the important scientific and applied achievements of the candidate, I note: with the character of enriching existing knowledge, such as the creation of new classifications, research methods, new constructions, in the field of optimizing the organization of context-based information systems through original transformations in processes and software applications, are in the works of the candidate [3s, 7s, 9s, 17s, 20s].

As more important scientific - applied contributions, in the class of application of scientific achievements in practice - I note contributions to the implementation of modern software applications in practice, in works [1s, 4 s, 5s].

4. Citation of the candidate by other authors and contributions of the author in the collective publications

From the presented list of citations of the candidate for the works on the competition are more than the required minimum level. It makes a very good impression that the overall level of citations currently applied to is assessed in Scopus with an H index of 9.

In any case, they are sufficient in accordance with the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria, as well as the regulations and additional requirements of IMI-BAS for acquiring the academic position of Associate Professor at IMI-BAS.

Of the peer-reviewed works, all are in Latin - English. The monograph is also in English. The candidate is an independent author in 2 of the presented works (including the monograph) and is the first author in all of them. The international character of the candidate's co-authors makes a good impression. In all publications, I appreciate the candidate's contributions, equal to the participants.

I have known the candidate from ten years, as a young and promising researcher, built at Deft University. Following in the footsteps of his father, Prof. Blagovest Shishkov, I believe that he has the potential to become a serious scientist so necessary for our country.

5. Critical remarks of the reviewer.

In general, I have the following critical remarks on the candidate's author's report:

- the most significant contributions of the author are not formulated sufficiently definitively, but descriptively;
- I recommend to the candidate in the future more accurately and concisely to define the obtained scientific results in the publications, in order to highlight in them his personal contribution, by comparison and known ones;

Conclusion

Taking into account the overall scientific and teaching activities of the candidate, which includes his serious scientific results, their international publicity, as well as my opinion that he is a fully established and established scientist and lecturer in the field of competition, all this gives me reason to assert with conviction that the candidate has the necessary qualities established by the Law on the Development of Academic Staff in the Republic of Bulgaria, as well as by the regulations of IMI-BAS for acquiring the academic position of Associate Professor at IMI-BAS.

Therefore, I offer with conviction of the thus selected scientific jury on the announced competition for the requested academic position of associate professor at IMI-BAS, in the professional field 4.6. "Informatics and Computer Science" (Context-based Information Systems), to award the academic position of "Associate Professor" to Assistant Dr. Boris Blagovestov Shishkov, for the needs of IMI - BAS.

February 13, 2022
Sofia city.

Prepared the opinion:
Professor D.Sc. (Hristo Kabakchiev)