Opinion

by assoc. prof., PhD, Nikolay Antonov Ivanov, FMI-SU
over a contest for academic position "associate professor"
in professional field
4.6 Informatics and Computer Sience,
scientific field "Informatics"
(Computer modeling of complex systems with large dimension),
for the needs of the Institute of Mathematics and Informatics - BAS

The contest is announced in volume 14 of the Governmental Newspaper from the 10-th of February, 2023. The only candidate is Ivan Radoslavov Georgiev, currently and assoc. prof. at Rouse University "Angel Kanchev".

Ivan Radoslavov Georgiev is born on the 25-th of October, 1983, in the town of Gorna Oryahovitsa. In 2005, he obtained a Bachelor degree form Ruse University in the field of "Pegagogy of Education in Mathematics and Informatics". In 2007, he obtained a Masters degree form Ruse University in the fields of "Informational and Educational Technologies". In 2015, he obtained a PhD degree form Ruse University in the field of "Mathematical Modeling and Applications of Mathematics". The title of his dissertation is "Embedded-Interface-Finite-Element Method for Elliptic and Parabolic Problems".

Ivan Georgiev worked as a part-time assistant form 2005 to 2009, as a full-time assistant form 2009 to 2016, as a principal assistant form 2016 to 2022, and as an associate professor form 2022 to the present day. All these positions he held in Ruse University.

From the attached certificates on teaching, work experience, and participation of development of university courses, it becomes clear thet the candidate has a rich teaching experience.

Assoc. prof., PhD, Ivan Georgiev has submitted a complete set of documents and materials, in accordance with The Law on Academic Development in the Republic of Bulgaria, The Regulations for its application and the Regulations for the terms and conditions for acquiring scientific degrees and for holding academic positions in the Bulgarian Academy of Sciences. This is demonstrated in the following table:

Conditions for acquiring academic position "associate professor"	Submitted documents
Art. 53, para. 1. to have acquired an educational and scientific degree "PhD"	Diploma for ONS "PhD"No RU-NS-2015-53 issued on 25.11.2015 by RU "Angel Kanchev"
Art. 53, para. 2. not less than two years: a) to have held the academic position of "assistant "principal assistant or b) to have been lecturer, including part-time, or members of a research team at the same or another university or scientific organization, or c) to have practiced artistic activity, or d) to have been specialist in practice and to have proven achievements in their field;	Service note for work experience from the National Revenue Agency
Art. 53, para. 3. to have submitted a published monographic work or equivalent publications in specialized scientific publications or evidence of artistic achievements corresponding to them in the field of arts, which do not repeat those presented for the acquisition of the educational and the scientific degree "Doctor"and for the acquisition of the scientific degree "Doctor of Sciences"	Certificate of fulfillment of the minimum national requirements and the minimum requirements of IMI-BAS
Art. 53, para. 4. to meet the relevant minimum national requirements and the requirements under Art. 1a, para. 2	Certificate of fulfillment of the minimum national requirements and the minimum requirements of IMI-BAS
Art. 53, para. 5. to not have proven plagiarism in scientific works according to the law.	He has not
Art. 54, para. 1. applicants submit a certificate of compliance with the minimum national requirements and the requirements under Art. 1a, para. 2, as well as a reference to the original scientific contributions to which the relevant evidence is attached.	Certificate of fulfillment of the minimum national requirements and the minimum requirements of IMI-BAS

In the contest, the candidate participates with 20 publications, from which 16 have SJR and 5 are indexed in the databases, as well as with 3 chaprers of books. All the publications of the applicant are with co-authors. I assume that he has contributed equally in his works. Moreover, the candidate has presented 41 citations of his works.

The presented publications and citations sasiffy the minimal national criteria (according to Art. 2b, para. 2 and 3 of LDASRB) and the additional requirements of the Bulgarian Accademy

of Sciences. This is demonstrated in the following table:

Indicator Group	Indicators	Min. Associate Professor Points	Candidate Points
А	Indicator 1	50	50
Б	Indicator 2	- - -	- - -
В	Indicators 3 or 4	100	144
Г	Sum of the indicators 5 throuth 10	220	269
Д	Indicator 11	70	246
Е	Sum of the indicators 12 throuth 20	20	80

Scientific interests of the candidate are related to optimization of mathematical models that are direct interpretation of processes due to human activity or (in part) are related to the phenomena of Nature. Particularly good impression is made by the practical directionality of the research. The research is related to finance, transportation, ecology, energy efficiency, beekeeping and others.

The results are obtained by algorithms, implemented mainly on Mathlab. For the development of these algorithms is applied knowledge in the following fields of Mathematics: Mathematical Optimization (continuous, as well as discrete), Numerical Methods for Ordinary Differential Equations, Probability Theory, Statistics, and others fields.

A consultation with Scopus and Web of Science shows the following data:

	Scopus	Web of Science
Publications	43	19
Citations	151	48
h-index	6	4

All this shows the productivity of the candidate and ambitions to continue the hard work.

I declare that assoc. prof. Ivan Georgiev has not plagiarized, as proven by the law.

Conclusion:

In accordance to what has been shown above, **I recommend** to the scientific committee to make a proposal to the competent authority in the Institute of Mathematics and Informatics of the Bulgarian Academy of Sciences, **Ivan Radoslavov Georgiev** to be elected for academic posision "associate professor".

24.05.2023

(assoc. prof. Nikolay Ivanov)