STATEMENT

for the competition for the academic position

PROFESSOR

In the professional field

4.6 Informatics and Computer Science (Context modelling),

for the needs of the Plovdiv University "Paisii Hilendarski",

Faculty of Mathematics and Informatics (FMI of PU),

announced in Newspaper of State No. 92 from November 18, 2023

and on the Internet pages of PU

1. General characteristics

By order No. РД-21-341 dated February 15, 2023 of the Rector of Plovdiv University "Paisiy Hilendarski", I have been appointed as a member of the scientific jury of a competition for the academic position of "Professor" in the field of higher education 4. Natural sciences, Mathematics and Informatics, professional direction 4.6 Informatics and Computer Sciences (Context Modeling), announced for the needs of the Faculty of Mathematics and Informatics.

Only one candidate submitted documents for participation in the announced competition: Associate Professor Todorka Atanasova Glushkova, PhD from Plovdiv University. The set of electronic materials presented by the applicant is in accordance with the requirements of the Bulgarian law about Academic Development and the accompanying rules of PU.

It is clear from the presented documents that Associate Professor Glushkova submitted 1 monograph (in group B) and 35 publications, of which 33 are indexed in Web of Science (two with an impact factor, respectively in Q1 and Q4) and in Scopus (seven of them with SJR). Evidence is presented for 45 citations in publications indexed according to scientometric requirements. All publications submitted for participation in the competition are in English, with the exception of the monograph presented in group B. The scientific works submitted for participation in the competition were published after the academic position of "Associate Professor" was held.

2. Scientometric indicators of the candidate according to the Bulgarian law about Academic Development

In the table below can be seen that the applicant's scientific works fulfil the minimal national requirements of the Bulgarian law about Academic Development and the accompanying rules of the Plovdiv University for the promotion in academic position "Professor" in the scientific field of the competition:

Group	А	Б	В	Г	Д	Е
Minimal points required	50	-	100	200	100	100
Applicant claims	50	-	100	582	360	247.7
Acknowledged by the reviewer	50	-	100	582	360	247.7

3. Analysis of the scientific achievements of the applicant contained in the documents and publications presented for the competition

The main scientific achievements in the scientific publications presented in the competition can be summarized in the following areas:

1. Modeling approaches in cyber-physical space.

2. Modeling and adaptation of virtual physical space in different subject areas.

3. Modeling in educational cyber-physical space.

Assoc. Prof. Glushkova has presented her claims for contributions in detail in the author reference and the abstracts to the scientific works, which I accept in principle and leave for a detailed assessment of the reviewers.

Assoc. Prof. Glushkova actively participates in numerous scientific and educational projects, of which four international and three national projects have been submitted for participation in the competition. There is one successfully defended doctoral student.

4. Reflection of the candidate's scientific publications in the literature

Assoc. Prof. Glushkova has presented information on numerous citations of her scientific works. For the purposes of the competition, 45 of them are presented, made in indexed editions, which, as scientometrics, significantly exceed the minimum requirements of PPZRASRB. According to Scopus, Prof. Glushkova has h-index = 4 (excluding self-

citations and co-author citations). The large total number of citations speaks volumes for the impact of her research in the scientific literature as a whole.

5. Evaluation of the candidate's personal contribution

All scientific works submitted for review are co-authored and I accept that the candidate's participation in them is equal to the other authors, which, however, does not reduce the significance of the achieved results.

6. Critical remarks and recommendations

I have none of these.

7. Personal impressions for the applicant

I do not know Assoc. Professor Glushkova personally.

8. Conclusion for the application

After analysing the scientific works presented by the applicant and evaluation of their significance I confirm that the scientific and scientific-applied contributions are sufficient (as required by the Bulgarian Law about Academic Development and the additional requirements of the Plovdiv University) for the academic position "Professor" in the scientific field of the competition. The additional documents pass all needed requirements too. In particular, the applicant fulfils the minimal national requirements for the scientific field and there is no plagiarism in the presented works for the competition.

I give my **positive conclusion** for the election of Assoc. Prof. Todorka Atanasova Glushkova for the academic position "Professor" under the current competition.

I recommend the Scientific Jury to suggest to the Council of the Faculty of Mathematics and Informatics of the Plovdiv University "Paisii Hilendarski" to elect Assoc. Prof. Todorka Atanasova Glushkova, PhD for the academic position "Professor" in the professional field 4.6 Informatics and Computer Science (Context Modelling).

March 25, 2023   Referee:

(Prof. Georgi Tuparov, PhD)