

# OPINION

by **Professor Asen Kanchev Rahnev, PhD,**

**University of Plovdiv “Paisii Hilendarski”, Plovdiv for**

**the competition for the academic position “Professor”**

**for the needs of the University of Plovdiv “Paisii Hilendarski”,**

**announced in SG No. 92 of November 18, 2022**

**in field of higher education: 4. Natural sciences, Mathematics, and Informatics,**

**Professional field: 4.6 Informatics and Computer Science (Context Modeling)**

By order No. RD-21-341/15.02.2023 of the Rector of University of Plovdiv "Paisii Hilendarski", I have been appointed a member of the Scientific Jury in connection with the announced competition for the academic position of “**Professor**” in SG № 92/18.11.2022 in the field of higher education 4. Natural sciences, Mathematics, and Informatics, professional field 4.6 Informatics and Computer Sciences (Context modeling).

To participate in the competition, documents were submitted by only one candidate - Associate Professor Todorka Atanasova Glushkova, Ph.D., from the "Computer Technologies" department of the Faculty of Mathematics and Informatics at Plovdiv University "Paisii Hilendarski". The documents were verified by a commission appointed by order No. RD-21-344/15.02.2023 of the Rector of Plovdiv University "Paisii Hilendarski". According to the protocol of the committee meeting dated 24.02.2023, signed by all members without comments, the committee admits the only candidate to participate in the competition, namely Assoc. Prof. Todorka Atanasova Glushkova, Ph.D. The Dean of the Faculty of Mathematics and Informatics at Plovdiv University informed the candidate about the commission's decision.

As a member of the scientific jury, I have received all the documents attached to the application with the incoming number RASD-08-42/15.02.2023 by Associate Professor Todorka Atanasova Glushkova, Ph.D., to the Rector of PU "Paisii Hilendarski" for participation in the competition.

Associate Professor Glushkova is the author and co-author of a total of 154 scientific works, including 143 scientific publications, 8 textbooks and teaching aids, 3 monographs and books. For participation in the competition, 44 were presented, of which:

- publications in journals and book chapters – 18 issues, of which 10 with IF and SJR and 13 in Scopus, WoS, and IEEE;
- publications in Conference proceedings – 17 issues;
- books – 3 items;
- textbooks and teaching aids - 6 items.

One publication is in Bulgarian, all other publications in journals and conferences are in English, and one monograph and textbooks are also in Bulgarian. In the presented 44 scientific publications, there is no legally proven plagiarism. Todorka Glushkova is the alone author of the monograph. Of the remaining 43 scientific works, she is a co-author: at first place in 11 of them, second place – in 21 of them, third – in 6, fourth – in 4, and subsequent place – in 1 of them.

The main scientific and scientific-applied contributions in the publications of Assoc. Prof.

Todorka Glushkova, Ph.D are in several scientific directions: Approaches to modeling in cyberphysical space; Development of reference architecture of Virtual Physical Space and its adaptation for different applications; Modeling in educational cyber-physical space; Textbooks and study aids.

Part of the results obtained by Assoc. Prof. Todorka Glushkova, Ph.D., has been skillfully used in 16 research projects, of which 9 are international, 3 national, and 4 universities. I will note that Todorka Glushkova is not only a participant but also the head of some of them. Assoc. Prof. Glushkova, Ph.D., has more than 50 presentations at international and national scientific forums with international participation.

The teaching activity of Assoc. Prof. Todorka Glushkova, Ph.D., is extremely rich. She has lectured and led exercises in the main disciplines: "Web Design", "Discrete Mathematics", "Block Programming", "Databases", Computer Modeling" and others at the Faculty of Mathematics and Informatics of the University of Plovdiv "Paisii Hilendarski".

During the entire period of teaching work, Assoc. Prof. Todorka Glushkova, Ph.D., is actively involved in the student's extracurricular activities by assigning coursework and homework and checking them. She works with graduate and doctoral students and participates in scientific seminars at the department, having more than 20 published joint articles with students and doctoral students. Participates in commissions for the State examination and thesis defenses for bachelors and masters of FMI. Under her leadership, one doctoral student and over 20 graduates successfully defended their degrees. Assoc. Prof. Glushkova, Ph.D., is a member of the Faculty Council and actively participates in the Accreditation committee from 2019 to the present, and in the Ethics committee since 2017.

The research activity of Todorka Glushkova, Ph.D., is in the contemporary areas of Artificial Intelligence and electronic learning, which is a prerequisite for good results in the educational process.

Associate Professor Todorka Glushkova, Ph.D., is a member of the Union of Mathematics and Informatics, the Union of Automation and Informatics "John Atanasov"- UAI.

I have known Todorka Glushkova for more than 30 years. She is a respected and authoritative teacher, a responsible colleague, a thorough researcher, and an accomplished scholar.

## **CONCLUSION**

The candidate for the announced competition Assoc. Prof. Todorka Atanasova Glushkova, Ph.D., fully meets the requirements of the Act for the Development of the Academic Staff in the Republic of Bulgaria (ADASRB), the Rules for the Implementation of the ADASRB (RIADASRB), the Law on the Development of the Academic Staff (LDAS) of the University of Plovdiv "Paisii Hilendarski", and the additional faculty requirements of the Faculty of Mathematics and Informatics at the University of Plovdiv "Paisii Hilendarski" for occupying the academic position of "Professor". All of the above is a reason to give a **positive conclusion** for the election of Assoc. Prof.

Todorka Atanasova Glushkova, Ph.D., for Professor of “Context Modeling”, professional field 4.6: Informatics and Computer Science, field of higher education 4.: Natural sciences, Mathematics, and Informatics.

I propose to the honorable scientific jury to unanimously propose to the respected Faculty Council of the Faculty of Mathematics and Informatics at the University of Plovdiv “Paisii Hilendarski” to elect Assoc. Prof. Todorka Atanasova Glushkova, Ph.D., for the academic position of “Professor”.

20.03.2023

Reviewer: .....

Prof. Asen Rahnev, PhD