

## **POSITION**

### **on the competition for academic position of “Associate Professor”**

in the scientific field: 4. Natural Sciences, Mathematics and Informatics,

professional field: 4.6. Informatics and Computer Sciences

Scientific specialty: Informatics (Systems, methods and tools for presentation and management of digital cultural and educational resources)

**From Dr. Rumen Ivanov Trifonov, professor at the Technical University - Sofia**

According to the Order №110/17.05.2022 г. of the Director of the Institute of Mathematics and Informatics at BAS (IMI-BAS) I was appointed to be a member of the scientific jury for the competition, announced in SG №22/18.03.2022 for the needs of the Laboratory of Telematics, BAS.

Only one candidate has applied for the competition:

**Assist. Prof. Lilia Radoslavova Pavlova, PhD from Laboratory of Telematics, BAS.**

## **I. General description of the presented materials**

### **1. Application data**

For participation in the competition the candidate Assist. Prof Lilia Radoslavova Pavlova, PhD has submitted:

- An application for admission to the competition,
- Professional CV in European format,
- Diploma for higher education – Master’s degree,
- Diploma for educational and scientific degree “Doctor”,
- List of all publications,
- List of publications for participation in the competition and copies of the papers,
- Reference on the original scientific contributions in the publications for participation in the competition,
- Abstracts of the publications for participation in the competition in Bulgarian and English,
- List of all citations,
- List of citations for participation in the competition,
- Copy of SG with the announcement of the competition,
- Reference for other activities,
- Reference form for the fulfillment of minimum national requirements of the candidate in the competition for an academic position “Associate Professor” according to Art. 2b (2), (3) and (5) of Act on the Development of the Academic Staff in the Republic of Bulgaria (ADASRB) and the specific ones of IMI-BAS (Annex 2.2),

- Certificate of years of work experience in specialty, according to Act. 24 (2), point 2 of ADASRB, from Laboratory of Telematics-BAS,
- medical certificate,
- a certificate of conviction,
- a declaration on the form (Annex 3.2).

Dr. Lilia Radoslavova Pavlova has more than 10 years of professional experience as a senior assistant at the Laboratory of Telematics-BAS. She obtained her PhD degree in 2013 at the Institute of Mathematics and Informatics - BAS (Diploma №000359/26.11.2013). She also works as a senior lecturer at New Bulgarian University.

For the participation in the competition Dr. Lilia Radoslavova Pavlova has applied:

2 book chapters, 5 publications in scientific journals and 20 publications in proceedings of international conferences (**10 of them with impact factor and/or impact rank, and the other 15 indexed in Web of Science, Scopus, ACM Digital Library**).

In total: 27 scientific publications.

Research papers are accepted for consideration that: 1) have not been used for the acquisition of the educational and scientific degree "Doctor", 2) are on the subject of the competition and 3) meet the minimum national requirements of Art. 2b (2), (3) and (5) of ADASRB.

## 2. General characteristics of the candidate's scientific works

The submitted publications are in the following areas of the competition:

- Digital cultural content management systems and applications. Digital cultural ecosystems; Methods and tools for analysis and extraction of knowledge from data; Digital reconstruction of cultural and historical assets
- Advanced information technologies in education: Development and applications of serious games, digital theatre and storytelling in education.

The quantitative indicators of the criteria for occupying the academic position of "Associate Professor" - in general under the ADASRB and more specifically under the Regulations on the Conditions and Procedure for the Acquisition of Scientific Degrees and for the Occupation of Academic Positions at the Institute of Mathematics and Informatics - BAS, Art. 2, Table 1, Area 4. Natural Sciences, Mathematics and Informatics, are as follows:

- 6 publications have a total score of 124 (with a requirement of 100) in group "B";
- 21 publications with a total number of points 282 (220 required) in Group "T";
- 17 citations have a total number of points of 102 in group "Д" (with a requirement of 70);
- a total of 50 points in Group "E" (with a requirement of 20), evidenced by: participation in 3 national scientific or educational projects and participation in 1 international scientific or educational project.

The quantitative indicators of the criteria for occupying the academic position of Associate Professor are met.

The criterion under Art. 3 (1), point 2 of the Regulations on the Conditions and Procedure for the Acquisition of Scientific Degrees and for Holding Academic Positions at the Institute of Mathematics and Informatics - BAS is met (namely "the candidate must have at least 5 publications in publications with IF or SJR"). For participation in the competition the candidate Dr. Lilia Pavlova has submitted 10 publications in IF or SJR journals.

No plagiarism was found in the scientific works submitted for the competition.

### **3. Analysis of the applicant's scientific and applied achievements presented in the competition materials**

The submitted scientific papers are on the topics of the competition. They are in reputable scientific conferences or scientific journals. The scientific works are related to research on systems, methods and tools for the presentation and management of digital cultural and educational resources and present significant scientific and applied contributions.

Assist. Prof. Lilia Pavlova, PhD has participated in numerous international research projects. This shows that she is a recognizable scientist in her subject area. This is confirmed by the number of citations of her publications.

### **4. Works as a lecturer, project works and other activities**

In the teaching and pedagogical activity prevail lecturing activities of the candidate in universities in Bulgaria - New Bulgarian University, Burgas Free University, National Academy of Arts, Center for Education - BAS. She has reported at a number of international and national scientific forums.

The candidate has participated in more than 15 national or international research projects funded by the National Research Fund, the Ministry of Education and Science, Scientific programmes of the European Union, etc.

### **6. Critical comments and recommendations**

I have no critical remarks to the reviewed works and the activities of the candidate. The presentation of collaborative work is directly related to teamwork on international and national projects.

## **II. Conclusions**

After the analysis of the submitted materials and scientific works, **I confirm that the scientific achievements of Assist. Prof. Lilia Radoslavova Pavlova, PhD meet the requirements of ADASRB, RIADASRB, and the Regulations on the Conditions and Procedure for the Acquisition of Scientific Degrees and for Holding Academic Positions in BAS and IMI-BAS.**

No plagiarism was found in the scientific papers submitted to the competition.

**I give my positive assessment of the application.**

**I recommend to the Scientific jury to propose to the Scientific Council of IMI-BAS to select Assist. Prof. Lilia Radoslavova Pavlova, PhD for the academic position “Associate Professor” in scientific fields 4. Natural Sciences, Mathematics and Informatics, professional field: 4.6. Informatics and Computer Sciences, Scientific specialty: Informatics (Systems, methods and tools for presentation and management of digital cultural and educational resources).**

Date: 11.07.2022

**Member of the scientific jury:**

Prof. Rumen Trifonov, PhD