

STATEMENT

in competition for the academic position of *professor*
in PH 4.6 Computer Science and Informatics, speciality Informatics, announced in
State newspaper No.87/15.10.2024 /,
for the needs of the Information Processes and Decision-Making Systems Section
at the Institute of Computer Science, BAS

The review was prepared by **prof. Eugenia Kovatcheva, PhD - University of Library and Information Science and Information Technology (ULSIT) 4.6 Informatics and Computer Science**, in my capacity as a member of the scientific jury for the competition according to the Order № RD 311/13.12.2024 of the Director of ICT-BAS.

For participation in the announced competition has submitted documents only one candidate: Assoc. Prof. Leonid Kirilov, at ICT-BAS.

I. General description of the submitted materials

Application details

The documents submitted by the applicant in the competition comply with the requirements of the RRDA.

For participation in the competition, the candidate Leonid Mihaylov Kirilov has submitted a list of 20 publications in total, which include 15 articles, conference papers, and book chapters visible in Scopus and WoS.

Additionally, Dr. Kirilov presented:

- Diplomas from the PhD 1993 and Associate Professor 1999
- List of original scientific contributions
- List of research projects in which she has participated:
- Reference for teaching and learning activities
- Best Article Reference

Details of the applicant

Assoc. Prof. Dr. Kirillov at ICT-BAS since 2011. His research in :

- models, methods and systems for single- and multi-criteria optimization and analysis;
- decision support systems;
- models and methods for solving scheduling problems;
- Computer modelling of hydrological processes and decision-making;
- modelling, optimization and decision-making in process and systems management.

General description of the candidate's scientific works and achievements

Assoc. prof. Kirillov presented to the committee the invitation to participate in the competition for the academic position of professor, one monograph, 15 articles, and a book chapter. They are visible in Scopus, WoC ACM, IEEE Xplore. 210 citations are observed.

Content analysis of scientific and applied achievements

The research papers submitted to the competition are in the field of modelling, development of optimization and decision-making algorithms for real processes and systems and for some classes of abstract problems

- for hydrological processes and river basin management
- for optimization of mono- and bi-metallic nanostructures
- to solve some applied problems and tasks
- multi-criteria decision making

The contributions are mainly with an applied aspect in these areas.

In conclusion:

- the scientific works meet the minimum national requirements
- the scientific works submitted by the candidate do not repeat those of previous procedures for obtaining a scientific title and academic position;
- no plagiarism has been proven in the scientific works submitted to the competition.

Personal impressions of the candidate

I know the candidate Leonid Kirilov when he started working on the Centre of Excellence (CoE) project at IICT in May 2022. His work was distinguished by precision and thoroughness. A utility model is about to be validated thanks to the collaborative work of the ULSIT team at the CoE.

Conclusion on the application

Having read the materials and scientific works submitted in the competition and on the basis of the analysis of their significance and the scientific and applied contributions contained therein, I **confirm** that the scientific achievements meet the requirements of ZRACPB, the Regulations for its application for the candidate to hold the academic position **of professor** in the scientific field and professional field of the competition. In particular, the candidate meets the minimum national requirements in the field of expertise and no plagiarism has been found in the scientific works submitted to the competition.

I give my **positive** assessment to the candidature of Assoc. prof. Leonid Mihailov Kirilov.

II. General Conclusion

On the basis of the above, I **recommend** the Scientific Jury propose to the Competent Authority the selection of Assoc. prof. Leonid Kirilov to take the academic position of Professor in the professional field 4.6 Informatics and Computer Science speciality Informatics.

Review by:

Prof

НА ОСНОВАНИИ
331А