

OPINION

by **Dr. Slavi Yasenov Lyubomirov, Associate Professor at Plovdiv University**

“Paisii Hilendarski”

on the materials submitted for participation in the competition
to occupy the academic position "professor"
of Plovdiv University "Paisiy Hilendarski"

in: field of higher education 5. Technical sciences
professional direction 5.3. Communication and computer technology (name of the scientific specialty) Automation of areas from the non-material sphere (education, science).

In the contest for "professor", announced in the State Newspaper, no. 92 of 18.11.2022 and on the website of Plovdiv University "Paisiy Hilendarski" for the needs of the Department of "Electronics, Communications and Information Technologies" at the Faculty of Physics and Technology, as a candidate Dr. Eng. Dimitar Mihailov Tokmakov, associate professor from Plovdiv University "Paisiy Hilendarski".

1. General presentation of the procedure and the candidate

By order No. RD-21-329 dated 15.02.2023 of the Rector of the Plovdiv University "Paisiy Hilendarski" (PU), I have been appointed as a member of the scientific jury of a competition for the academic position **"professor" at PU "Paisiy Hilendarski" in field of higher education 5. Technical sciences, professional direction 5.3. Communication and computer technology (Automation of areas from the non-material sphere - education, science).**

Only one candidate: Associate Professor Dr. Eng. Dimitar Mihailov Tokmakov has submitted documents to participate in the announced competition.

The set of materials presented by Assoc. Prof. Dr. Eng. Dimitar Tokmakov is in accordance with the Regulations for the Development of the Academic Staff of the PU and includes the following documents: application to the Rector for admission to participation in the competition; resume; copies of diplomas for the master's degree and for the educational and scientific degree "doctor"; list of scientific works, annotations and copies of scientific works, list of citations, report on the fulfilment of the minimum national and additional faculty requirements, annotation of the materials under Art. 76 (1) of the PRASPU, self-assessment of the contributions, declaration of originality and credibility of the materials; and copies of declarations of conformity specified in Appendix 1, certificate of work experience, documents for academic work, documents for participation in scientific research projects.

The candidate, Dr. Eng. Dimitar Tokmakov, submitted a total of 67 scientific papers, which include a dissertation for the acquisition of the scientific and educational degree - doctor, as well as 1 textbook and 1 study guide and references for participation in 12 research projects. Along with that,

33 scientific works, which are outside the dissertation and those for the occupation of the academic position "associate professor", have been accepted for review. They are counted in the final evaluation as well as 2 teaching aids and 12 research projects. The distribution of the scientific works by corresponding headings shows that all of them are at conferences, most of them international-30 of them on a national level and 3 more abroad.

A list of 46 noticed citations is presented. Documents (in the form of a memo and reference) for participation in 12 research projects are also presented.

2. General characteristics of the applicant's activity

Assessment of educational and pedagogical activity

The project-based e-courses developed by him in the disciplines "Computer Networks", "Microprocessor Technology", "Computer Modeling and Simulation of Electronic Circuits" and "Programming of Microcontrollers in an Arduino Environment" are used for the training of students in the Faculty of Physics and Technology of PU "Paisiy Hilendarski".

Assoc. Prof. Dr. Dimitar Tokmakov actively participates in the curriculum development and update that covers a number of subjects from the Faculty of Physics and Technology for Bachelor's and Master's degrees and Doctoral degrees.

From the provided reference for classroom and extracurricular employment, it can be seen that he conducts lecture courses in a number of disciplines, some of which are: computer networks, microcontroller programming in an Arduino environment, computer modelling and engineering design, etc.

During the last 5 years, Associate Professor Dr. Dimitar Tokmakov has had 12 graduate students who have defended their thesis, 5 reviews and 11 publications with the participation of students and doctoral students.

This is proof of his undeniable teaching qualifications and high professional qualities.

Based on the scientific publications presented by Assoc. Prof. Dr. Dimitar Tokmakov, it can be reasonably summarised that the main contributions are: scientific, scientific-applied and applied.

The quantitative indicators of the criteria for occupying the academic position "professor" have been met in terms of all the indicators for the minimum national requirements.

I believe that the personal contribution of Assoc. Prof. Dr. Eng. Dimitar Tokmakov in the publications presented to the scientific community is indisputable and essential. I am convinced that the scientific, scientific-applied and applied contributions in the candidate's works fully meet the requirements for occupying the academic position of "professor".

No distribution protocol was presented, but there is no reason to doubt the active participation of Assoc. Prof. Dr. Eng. Dimitar Tokmakov in the mentioned publications.

Quoted

The significance of the contributions presented in the scientific publications is confirmed by the noted number of over 46 citations in scientific publications, referenced and indexed in world-famous databases with scientific information. This shows that the results of the scientific production of Associate Professor Dr. Dimitar Tokmakov have become known to the scientific community worldwide.

3. Critical remarks and recommendations

I have no critical remarks about the presented documents and scientific works.

CONCLUSION

The documents and materials presented by Assoc. Prof. Dr. Eng. Dimitar Tokmakov meet all the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria (ZRASRB), the Regulations for the Implementation of the ZRASRB and the relevant Regulations of PU "Paisiy Hilendarski".

The materials used in the defence of ONS "Doctor are followed by a sufficient number of other scientific works, containing original scientific and applied contributions, which have received recognition as a representative part of them have been published in scientific collections issued by academic publishing houses. The developments have practical applicability and are directly oriented to academic work. The scientific and teaching qualifications of Dr. Eng. Dimitar Tokmakov cannot be doubted.

The results achieved by Dr. Eng. Dimitar Tokmakov in the educational and research activities fully correspond to the specific requirements of the Faculty of Physics and Technology, adopted in connection with the Regulations of PU-"Paisiy Hilendarski" for the application of ZRASRB.

After getting acquainted with the materials and scientific works presented in the competition, analysing their significance and the scientific, scientific-applied and applied contributions contained in them, I confidently give my positive assessment and recommend the Scientific Jury to prepare a report-proposal to the Faculty Council of Faculty of Physics and Technology for the election of Dr. Eng. Dimitar Tokmakov to the academic position of "Professor" at Plovdiv University "Paisiy Hilendarski" in the field of higher education 5. Technical sciences, professional direction 5.3. Communication and computer technology (Automation of areas from the non-material sphere - education, science).

11/04/2023

Prepared opinion:

(Assoc. Prof. Eng. Slavi Lyubomirov, PhD)