



ВИСШЕ УЧИЛИЩЕ ПО ТЕЛЕКОМУНИКАЦИИ И ПОЩИ

REVIEW

from: **Prof. Stanimir Mihaylov Sadinov, PhD**
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Department of Telecommunications

field of higher education: 5. Technical sciences

professional direction: 5.3. Communication and computer technology

Regarding: contest for **professor** in a Professional Field: 5.13. General engineering in the scientific specialty "Organization and management of production" (Logistics, innovation and quality management), promulgated in the "State Gazette", no. 56/19.07.2022.

1. Information about the competition

In the competition for the academic position "professor", announced in the State Gazette, no. 56/19.07.2022 for the needs of the "General Engineering" department at the Faculty of Telecommunications and Management at the University of Telecommunications and Posts - Sofia, as the only candidate participated Assoc. Prof. Plamen Tsvetanov Pavlov, PhD - Department "General Engineering", UTP - Sofia.

2. Information about the candidate

Assoc. Prof. Plamen Tsvetanov Pavlov, Ph.D., was born in 1960 in the town of Omurtag. Graduated in 1986 with a master's degree - radio engineer in Higher Education at the Baltic State Technical University - St. Petersburg, Russia, Faculty of Instrumentation, Specialization "Radiomechanical Instrumentation", Theoretical training for the design and manufacture of radiomechanical instrumentation.

He studied for a doctorate in the period 2003-2006 and defended a dissertation on the topic: "Innovation potential and innovative development of small and medium-sized enterprises", and in 2007 he received a diploma from the Higher Attestation Commission (HAC) for the educational and scientific degree "Doctor" in scientific specialty 05.02.21 "Organization and management of production". During his creative and professional path as a teacher, after competitions he was appointed and held the academic position of "Assoc. Prof." in the following universities: Varna Free University "Chernorizets Hrabar", Professional direction: 3.8. Economy in the period 2011-2020; University of Veliko Tarnovo "St. Cyril and Methodius", Professional direction: 3.7. Administration and management in the period from 2014. From 2018 until now, he has been working at the University of Telecommunications and Posts - Sofia, as a teacher in the academic specialty "Assoc. Prof." in Professional direction: 3.7. Administration and Management, and since

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2019 he has been elected Dean of the Faculty of Telecommunications and Management at the Technical University Sofia. Information on the acquired scientific degree "Doctor" and held academic positions "Associate Professor" is available in the databases of the National Center for Information and Documentation (NACID) with scientometric indicators.

The candidate covers and shows professional interest and competences in various fields: innovation, quality management systems, logistics, risk management, etc. Teaching and work is entirely related to his competencies in the field of business information systems, innovation and scientific development, information security management, technology transfer in the service sector, logistics in communications, innovation management in communications, business process management, etc. , as well as management of course projects, theses and peer review on similar topics.

In the competition for "professor" in Professional Field (PF) 5.13. General Engineering, contributed one monograph, two collective monograph chapters, three textbooks, a dissertation-based book, and over 12 publications. He is actively involved in 6 international projects and 4 projects at the national and university level, one of which he was the leader of. He has excellent language training in Bulgarian and Russian. He has certified competence as an auditor and manager of quality management and energy efficiency systems in several international standards. There have been awards - two Gold Badges of the Ministry of Education and Science for excellent success.

I reviewed all the papers submitted for review and found that all of them had new results. I find no reason to doubt the presence of plagiarism in the scientific works submitted for the competition, which is confirmed by their publicity, the specific approach and the new results obtained. I believe that his competences, knowledge, skills, acquired higher engineering education in the field of technical sciences, doctorate degree and current academic position of associate professor in the field of economic sciences are extremely useful and satisfy the requirements for a candidate for the "professor" competition in PF 5.13. General engineering.

3. Fulfilling the requirements for the academic position

A total of 19 scientific papers are submitted for review:

- a monograph;
- two sections of a collective monograph;
- three textbooks;
- one book based on a dissertation;
- 12 scientific publications.

The candidate's publications are distributed as follows: 10 are articles published in specialized journals, yearbooks, national forums and 2 reports presented at international conferences in the country. Eleven of the candidate's publications are self-published and 5 are published in English.

In the competition, the candidate presented 60 citations to 29 of his publications and participation in 6 international and 4 national educational and research projects.



All presented scientific works, participation in projects and citations are in the field of the competition. They do not repeat the attached articles, reports, textbooks and teaching aids for those who participated in the competition for the degrees "doctor" and the academic position of associate professor.

3.1. Fulfilment of the quantitative requirements for occupying the academic position

The applicant's scientometric data fulfils the minimum national requirements, as shown in the table.

A group of indicators	Minimum National Requirements - "Professor"	Assoc. Prof. Plamen Tsvet- anov Pavlov, PhD
A	50 p.	50 p.
Б	-	-
В	100 p.	100 p.
Г	200 p.	278 p.
Д	100 p.	184 p.
Е	150 p.	280 p.
Total	600 p.	892 p.

The table shows that the minimum requirements for the scientific and teaching activity of the candidate for the academic position "Professor" are fulfilled, namely - there is for the competition - one monograph, sections of a collective monograph, one book, 3 textbooks and 12 scientific publications, has 59 citations and participation in 10 international and university projects.

The written above shows that with the presented scientific publications, citations and participation in scientific research projects, the candidate Assoc. Prof. Plamen Pavlov, PhD meets the minimum national requirements for occupying the academic position "Professor" for the field of "Technical Sciences" and PF 5.13. General engineering.

3.2. Fulfilment of the qualitative requirements for occupying the academic position

I believe that the scientific summaries illustrated in the monograph and scientific publications are indisputable proof of personal involvement of the candidate, as well as the formulation of scientific, scientific-applied and applied contribu-

tions. Most of the publications are independent, which is proof that the results obtained are the work of the candidate and reflect his scientific development over the years.

According to the author reference attached to the competition materials, there are a total of 60 citations to 29 of the publications.

The candidate participated in 10 educational and research projects, of which 6 were international, in which he was a mentor, and 4 national and university projects, one of which he was the head of. I believe that the candidate's materials submitted for participation in the competition, in quality, volume structure and content are in the field of the competition and fulfil the criteria for occupying the academic position "Professor".

4. Evaluation of teaching and learning activities for candidate individually

The candidate has submitted documents for teaching activities in the "General Engineering" department at UTP Sofia with the necessary horary. Information is presented about work experience, as a teacher in a higher educational institution, holding the academic position of associate professor at UTP from 17.09.2018. During this period, he participated in the training of students for the Professional Bachelor, Bachelor and Master, in more than 25 educational disciplines, course and semester projects, as well as participation in State examination committees, guidance and review of diploma projects.

Documents for 58 curricula developed from current curricula for 3 degrees Professional Bachelor, Bachelor and Master in 10 specialties are presented. Currently, the candidate is the supervisor of three doctoral students.

I believe that the general assessment of the candidate's educational and pedagogical activities fully meets the requirements of the Regulations for the Development of the Academic Staff of UTP and the Law on the Development of the Academic Staff in the Republic of Bulgaria.

5. Description of the submitted scientific papers/publications

After familiarizing myself with the presented documentation and the information in it about the candidate's publication activity and participation in research projects, I find the following:

The candidate is currently the author of more than 48 scientific works, as apart from those for acquiring the "doctor" and the academic position "associate professor", he presents 19 for participation in the competition for "Professor". Among the presented publications there is one monograph (in section B), a book based on a dissertation (in section Г6), 12 scientific publications in non-refereed peer-reviewed journals or in edited collective volumes (in section Г8), 2 chapters of a collective monograph (in section Г9) and 3 textbooks (in section E23).

On the basis of the listed facts, I consider that the candidate meets the criteria for scientific research and publication activity of UTP Sofia and my overall assessment is positive.

6. Synthesized assessment of the main scientific and applied contributions of the candidate



I accept the reference made for the candidate's contributions in the monograph and scientific works, as they are in the field of PF 5.13. General engineering. The contributions concern specific competences related to the candidate's interests and his scientific development. The reported scientific, scientific-applied and applied contributions are directly related to the declared specialty of the competition - "Organization and management of production".

From the presented summaries of the scientific works and a report on the contributions, I emphasize the following contributions directly related to PF 5.13. General engineering:

Scientific contributions

- Modern methods for documentation development, implementation and certification of an information security system are proposed. [1];
- New interpretations related to the levels of digital production are proposed. The areas and directions for digitization in Industry 4.0 are defined [2];
- A methodology and indicators for research and determination of the innovation potential of the companies are proposed, the results of an experimental verification of the methodological setups in real industrial conditions are presented. [7], [8];
- The problems in the implementation of multimodal transportation in the Republic of Bulgaria were examined and methods for overcoming them were proposed. [11] and [12]. The main problems in logistics services in Bulgaria in 2020-2021 have been considered, taking into account the impact of the Sars Covid 19 pandemic. [15] and [16];
- Theoretical concepts for building smart cities (Smart city), modern trends in the construction of strategies and the ways of their transformation towards a Circular and Green Economy were examined.[18].

Scientific applied contributions

- An overview and analysis of the current adaptive and intellectual technologies used to introduce innovations for the development of the interactivity of the educational environment based on network (Internet) learning using AOIS systems was carried out. [9].
- The problems and trends in the introduction of service quality control systems based on the international standard ISO 9001:2008 in municipal and regional administrations have been analyzed and an IWA 4 self-assessment model has been proposed. [10].
- The problems related to the management of supply chains in the conditions of the implementation of the principles of the circular economy are analyzed and measures to overcome them are proposed. [17].

- The problems that arose during the digitalization of the public administration in the Republic of Bulgaria were examined. The methodology for managing business processes in public administration based on digitization is proposed. [19].

Applied contributions

- Presented are the modern trends in the management of innovation activity, the methods for classifying development, implementation and management of innovations. [3].
- The classification, nature and specificity of modern business information systems are presented. The modern trends in the development, implementation and exploitation of BIS are considered. [5].
- The most common types of standards from the ISO family are reviewed. The principles and methods of Total Quality Management (TQM) and Quality Function Deployment (QFD) are analyzed. The ISO 9001:2015 standard is presented in detail. [6].

7. Main critical remarks and recommendations to the candidate

I have no significant remarks with which to challenge the main scientific, scientific-applied and applied contributions in the presented works of Assoc. Prof. Pavlov. What I find is a lack of: publications with an "impact factor" and a defended PhD student. Therefore, I recommend the candidate to concentrate his research activity in fewer thematic areas and to publish the results in journals that are reflected in the Scopus and Web of Science databases, as well as to develop his expert and innovative activity.

8. Conclusion

I have known Assoc. Prof. Pavlov, PhD for several years and I think that he is a worthy and correct colleague, who conscientiously fulfils his duties as a university teacher and researcher, shows the necessary academic ethics towards his colleagues and students.

I believe that the presented information regarding the scientific and educational work of the candidate fulfils the requirements for occupying the academic position of "professor" and meets the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for the Implementation of the Law on the Development of the Academic Staff in Republic of Bulgaria and the Regulations for the Development of the Academic Staff of UTP - Sofia. Based on the acquaintance with the presented scientific works, their importance, the scientific, scientific-applied and applied contributions contained in them, I find it reasonable to propose Assoc. Prof. Plamen Tsvetanov Pavlov, PhD to take the academic position of "Professor" in Professional Field 5.13. General engineering with scientific specialty "Production organization and management" (Logistics, innovation and quality management).

23.11.2022
Sofia

Review
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