

## R E V I E W

On the materials which are presented for the application process for becoming an **Associate professor**, Professional field 5.13. General engineering in department Engineer logistics, Faculty of Technical sciences in Episkop Konstantin Preslavski University of Shumen, announced in the State Newspaper, issue 57/09.07.2021.

The candidate in the application process is assistant professor dr. eng. Svetlozar Panayotov Stoyanov, Senior Assistant professor in the Faculty of Technical sciences, Episkop Konstantin Preslavski University of Shumen

Reviewer: Prof. Dr. Eng. Krasimir Kalev, national Military University Vasil Levski. The Review has been written according to a decision which was made at a session of the Scientific Jury, approved with Order № ПД-16-037/06.04.2021 of the Rector of Episkop Konstantin Preslavski University of Shumen

### **1. Short biographical information and description of the presented materials**

The candidate in the application process for Associate professor, Senior Assistant professor Dr. Svetlozar Panayotov Stoyanov was born on 21<sup>st</sup> April, 1970. He graduated university as a construction economist in the University of Economics in 1996. He obtained master's degree Regional development and management in 2007 and Engineering Logistics in 2011 in Episkop Konstantin Preslavski University of Shumen. He acquired educational and scientific degree Doctor after defending a dissertation on the topic Engineering and geodesy activities when researching of Medieval objects from Northeast Bulgaria.

Senior Assistant professor Svetlozar Stoyanov has attached the following documents for the procedure: Professional autobiography; a copy of a diploma for university education; a copy of a diploma for educational and scientific degree Doctor; a list of the publications for participation in the application process for the academic title Associate professor and the scientific papers; reference for the citations for participation in the application process for taking the academic title Associate professor; reference for additional indexes for participation in the application process for taking the academic title Associate professor; reference for

compliance with the minimum national requirements for participation in the application process for taking the academic title Associate professor and Author reference for scientific contributions for the application process.

The total number of the publications with which the candidate applies is 16 and 2 of them are monographies, 6 are papers at scientific conferences and 8 are articles in non-refereed magazines with scientific reviews or in edited co-authored volumes. Besides them, the candidate presented his participation in the development of two educational curricula from the professional field and in two scientific-research projects, one of which is at national level, the other one is at university level.

## **2. General characteristics of the scientific, research, applied and pedagogical activities of the candidate.**

### **2.1. Scientific, research, applied and pedagogical activities**

The scientific and research activities of Senior Assistant Professor Dr. Svetlozar Stoyanov include writing a dissertation thesis for educational and scientific title Doctor, monographies on the problems of engineer and logistics activities on the provision of the transportation system and the management of the administration processes of a first category municipality according to the Methods for categorizing of administrative-territorial and territorial units in the Republic of Bulgaria and the presented scientific and research achievements at scientific forums and in refereed magazines. The applied activity of the candidate is shown by his participation in scientific and research projects, scientific forums and updating study curricula.

The presented materials on the scientific and research activities can be summarized into a few thematic branches, corresponding to the knowledge field of the announced application process:

1) management of the transportation processes in the logistics system – publications I, III.3 and III.14 from the List of the publications for participation in the application process for academic title Associate professor;

2) application of the information systems for management of the logistics processes – publications II, 3.1, III.4, III.9, III.10 and III.11 from the List of the

publications for participation in the application process for academic title Associate professor 3) organization and management of the supply chain – publications III.2, III.5, III.6, III.7, III.8, III.12 and III.13 from the List of the publications for participation in the application process for academic title Associate professor

The first field is a very contemporary issue, although the idea for intermodality in the transport logistics exists from the beginning of the previous century. The author (and co-author) of the mentioned above publications has noticed the need of developing such a logistics service in our country in relation to the increasing movement of goods and the commitments which the state has undertaken to build new intermodal terminals. The problems are meticulously reviewed from the point of view of the engineering logistics for optimizing the technological sequence of the processes and the technical equipment in the complex intertwining relationships among the different types of transportation.

The biggest number of publications which the candidate in the application process has presented are on the second topic which corresponds to the constant development and application of the information systems in the sphere of the logistics management, as well as their adaptation to the latest achievements of the information technologies. The functions of the system for management of the logistics processes are differentiated, as well as its attribute in the conditions of increasing requirements from the side of users, distributors and producers of information provision. Basic concepts have been developed for designing Information system for organization management.

The third branch in which the candidate in the application process is also extremely important when looking for the best solutions for the logistics systems. Knowing in details the supply chain allows it to adapt to the real environment in present days, when it is challenged by the pandemics. The performed research includes contemporary technologies for process automatization which aims to decrease the energy intensity and decrease the time for delivery.

The researched problems which are presented in the publications and papers correspond to the professional branch in which the application process has been

announced and the gained experience while dealing with them is valuable when teaching the subjects in the bachelor's and master's curricula of the subject Engineering logistics.

The suggested for the review publications and research give a clear idea about the preparation and the scientific and research activity in the sphere of the professional field for the application process.

## **2.2. Pedagogical activity of the candidate**

The pedagogical activity of Senior Assistant professor Dr. Svetlozar Stoyanov includes teaching the following subjects in the profile Engineer logistics with the corresponding number of classes during the school years: Engineer Logistics Part I; Logistics; Metrology and Metrological Provision; Engineering Logistics Part II; Introduction into the Engineering logistics; Methods for Non-destructive Testing; Intellectual Property Protection and Patent Law and Logistics provision of investment projects.

The candidate in the application process participates actively in developing the educational curricula and methodical materials on the subjects from the fields:

- Methods for Non-destructive testing;
- Logistics provision of investment projects.

From the review of the scientific and research, applied and pedagogical activity, it can be seen that the candidate has worked actively in the field of logistics. The researched problems in the publications are connected with the professional field General engineering and they touch basic moments from the system for management of logistic systems.

## **3. Basic scientific and applied results and achievements**

I accept the proposed by the candidate in the application process Senior Assistant Dr. Svetlozar Stoyanov distribution of the achievements in his scientific publications in the following fields of the logistics:

- Processes of management in the transportation logistics;
- Methodology for designing informational systems for management in the

logistics;

- Organization and management of the supply chain. I consider that the candidate has an achievement in the following groups:

**3.1. Enrichment and development of already existing knowledge:**

- Management of a logistics system [List of the publications for participation in the application process for academic title Associate professor II, III.2, III.4, III.5, III.6 and III.7];

- Transportation engineering-logistics installations [List of the publications for participation in the application process for academic title Associate professor: I, III.3, III.12 and III.14];

- Supply chains [List of the publications for participation in the application process for academic title Associate professor: III.8, III.13 and III.14]

**3.2. Creating new classifications and receiving conformational facts:**

- the management of the material flows [List of the publications for participation in the application process for academic title Associate professor: I and III.1];

- informational system for organization management [List of the publications for participation in the application process for academic title Associate professor: III.9 and III.11];

**3.3. Creating and further development of models and methods:**

- transportation-logistics system [List of the publications for participation in the application process for academic title Associate professor: I and III.3].

From the short analysis of the presented materials on the application process we can conclude that eng. Svetlozar Stoyanov possesses the skills to develop and prove scientific hypotheses on his own. He has substantive scientific interests in the field of logistics, and more specifically, in the engineering logistics. These impressions of mine allow me to evaluate the candidate as a good specialist and expert in the professional field for which he applies.

**4. Importance and application of the contributions**

The proposed scientific-applied and applied contributions in Author reference for scientific contributions are the result of the scientific and research activity of the candidate for the application process for taking the academic title Associate professor. In essence, the received results are useful for the theory and practice of the subject Engineering logistics from the professional field of the application process. On the basis of the presented documents I consider that eng. Svetlozar Stoyanov has complied to the quantity and quality indicators for taking the academic title according to Development of the Academic Staff of the Republic of Bulgaria Act and Rules for Development of the Academic Staff of the University of Shumen.

### **5. Critical notes**

I can note that: 1) the writing style in some of the publication is story-like 2) there is not enough description of the solved problems by the author.

The reasons for the noticed flaws are maybe due to the insufficient author experience in presenting scientifically his ideas.

I recommend the candidate in the application process to use more applied mathematics in his research work.

### **6. Conclusion**

The results from the scientific-applied, practical and pedagogical activities prove that the candidate in the application process complies with the requirements of the Development of the Academic Staff of the Republic of Bulgaria Act, Implementing Regulations to the Development of the Academic Staff of the Republic of Bulgaria Act and Implementing Regulations to the Development of the Academic Staff of the University of Shumen. This gives me ground to give a positive conclusion and the recommend to the Honored jury to approve Senior Assistant professor Eng. Dr. Svetlozar Stoyanov to become an Associate professor in the field of university education: 5. Technical sciences, Professional field 5.13. General engineering.

6.10.2021

Shumen

Reviewer:

Prof. Dr. Krasimir Kalev

