

STATEMENT

by Prof. D.Sc. Eng. Zhaneta Nikolova Savova-Tasheva,
Professor in “Computer systems and technologies” Department at the Faculty of Artillery, Air
Defense and CIS of “Vasil Levski” National Military University
on a competition for the obtaining of the academic position “**Professor**” in higher education
field **5. Technical sciences**, professional field **5.13. General engineering, /Engineering
logistics/**
at the “Engineering logistics” Department of the Faculty of Technical Sciences of “Konstantin
Preslavsky” University of Shumen

Competition candidate: **Assoc. Prof. Dr. Sc. Eng. Plamen Borisov Dyankov**
The competition is announced in State Gazette issue 63/17 July 2020 and with Order
№ RD-16-105/09.10.2020 r. by the Rector of “Konstantin Preslavsky” University of
Shumen

1. General characteristics of the scientific research and applied scientific activity of the candidate

The candidate in the competition for the obtaining of the academic position “Professor” at the “Engineering logistics” Department of “Konstantin Preslavsky” University of Shumen has been an Associate Professor since 2018 at the same Department. He acquired the educational and scientific PhD degree in two professional fields:

1. **3.5. „Public communications and information sciences“** with a dissertation titled “Network-centric approach to the management and organization of logistics” at the University of Library Studies and Information Technologies in 2014.
2. **5.3. „Communication and computer technology“** with a dissertation titled “Optimization of multimodal transport systems” at “Konstantin Preslavsky” University of Shumen in 2016.

In 2017 he successfully defended a dissertation titled “Functional model for the optimization of transport systems in logistics” for the obtaining of the scientific degree “Doctor of Sciences” in professional field **3.5. „Public communications and information sciences“**.

In the competition for the academic position of “Professor” in the “Engineering logistics” department at the Faculty of Technical Sciences of “Konstantin Preslavsky” University of Shumen the candidate participates with a monograph and 17 scientific publications in non-peer reviewed journals with scientific editing or edited collective volumes, in 8 of them as an independent author, 8 with one co-author and 1 with two co-authors. The candidate has indicated 43 citations of his works and one review of a monograph. He has participated in 11 scientific and scientific-educational projects, two of which are national, and the rest are projects of the University.

The applied scientific works presented by the candidate are in the field of the competition and are arranged by groups of indicators as follows:

Group of indicators A	100 p. (50 p. minimum)
Group of indicators B	100 p. (100 p. minimum)
Group of indicators Г	236,7 p. (200 p. minimum)
Group of indicators Д	115 p. (100 p. minimum)

Group of indicators E **183,33 p.** (150 p. minimum)

Total: **735,03 p.**

The presented applied scientific works correspond to the minimum requirements for holding the academic position of “Professor” in professional field 5.13. General engineering.

2. Evaluation of the pedagogical preparation and activity of the candidate

Associate Professor Plamen Dyankov began his teaching career as an Assistant Professor in September 2012 at the Department of Engineering Logistics, in July 2016 after obtaining the educational and scientific degree of “Doctor” he was elected Chief Assistant Professor, and in April 2018 he was elected Associate Professor in professional field 5.13 General engineering in the same Department. For these 6 years he has conducted classes in 15 disciplines in the field of the announced competition. He is the author of the curricula in the disciplines “Materials science”, “Transport systems in logistics”, “Logistic complexes” and “Production technologies”. The proposed by the candidate “Methodology for conducting classes and assessing students in the disciplines “Production Workshop - Part I and II” is accepted and facilitates the conduction of classes in a practical environment on the territories of production companies and logistics structures.

The candidate participates in the competition for the obtaining of the academic position “Professor” with 3 textbooks and 3 teaching aids, published by “Konstantin Preslavsky” University of Shumen Publishing House. During the period 2012-2020 he was the supervisor of 9 successfully defended student theses and reviewed 8 diploma theses. Since 2020 he has been the supervisor of two doctoral students in full-time and part-time study in the doctoral program “Engineering logistics”, professional field 5.13 General engineering.

His many years of experience as a lecturer at “Konstantin Preslavsky” University of Shumen give him the opportunity to find a direct path to students and achieve high results in their mastering and applying the material of his disciplines.

All of this gives me sufficient grounds to conclude that Assoc. Prof. Dr. Sc. Eng. Plamen Dyankov possesses the necessary pedagogical training and qualities to hold the academic position of “Professor”.

3. Main scientific and applied scientific contributions

The main scientific and applied scientific contributions contained in the candidate’s academic works can be summarized in three general directions:

1. Improving transport management processes as a key logistical function, which solves the problem of choosing a rational scheme for the movement of material flows under certain criteria, such as the level of transport costs, transport time, flexibility of supply, conveying and quality of execution of logistic operations in freight handling, etc. Solutions of transport problems are proposed on the basis of a modified simplex method for linear optimization and management of road traffic, by making flexible decisions when evaluating the efficiency of transport projects.
2. Organization and management of the processes of planning, implementation and control of the operations in the supply chain wherein the main trends for integration of the various structures in the supply chains for the achievement of compatibility and synchronization among them have been substantiated.
3. Construction and development of information flows in logistics, using standardized approaches for effective movement of the material flows and the flows accompanying them and rational management of the production cycle. The role of cloud technologies, the global Internet network and the global radio navigation positioning systems in the railway transport system for providing new opportunities for information flow management is substantiated.

4. Significance of contributions to science and practice

The importance of the scientific and applied scientific contributions to the theoretical and practical education of students in the specialty “Engineering logistics” at the Faculty of Technical Sciences of “Konstantin Preslavsky” University of Shumen is indisputable. The submitted list of 43 citations of the scientific works of Assoc. Prof. Dr. Sc. Eng. Plamen Dyankov by Bulgarian authors in national and international journals and academic forums gives further evidence of the significance of his publications among researchers in the field of engineering logistics.

In the majority of the publications offered for participation in the competition, the candidate participates as an independent author or as lead author. This gives me reason to believe that the main contributions to the works submitted for participation in the competition for the academic position of “Professor” are in the field of the competition and are the personal work of the candidate.

5. Critical remarks and recommendations

The publication activity of the candidate corresponds to the normative requirements on quantity and content of the scientific works in professional field **5.13. General engineering, /Engineering logistics/**.

The candidate's scientific publications are published mainly in one Bulgarian scientific journal “SocioBrains International Scientific Refereed Journal” (16 of all 18 publications submitted in the competition), which to some extent limits the promotion of results among a wider range of specialists.

I recommend the candidate to increase his participation in team scientific research projects and international projects in the field of engineering logistics which will have a positive impact on raising the number of the realized and analyzed results from specific research. It would be good for the candidate to focus on publishing in peer reviewed and indexed scientific editions with impact factor and impact rank.

6. Conclusion

The materials presented by Assoc. Prof. Dr. Sc. Eng. Plamen Borisov Dyankov under the competition meet the requirements of the Act for the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for its Implementation, as well as the minimum national requirements for the academic position “Professor” in the field of higher education 5. “Technical sciences”.

I give a positive assessment of the scientific production, pedagogical and research activity of Assoc. Prof. Dr. Sc. Eng. Plamen Dyankov. I recommend the respected members of the Scientific Jury, as well as the respected members of the faculty council of the Faculty of Technical Sciences at “Konstantin Preslavsky” University of Shumen, to vote in favour of the awarding of the academic position “Professor” in higher education field **5. “Technical Sciences”**, professional field **5.13. General Engineering, /Engineering Logistics/** to Assoc. Prof. Dr. Sc. Eng. Plamen Borisov Dyankov.

03 November 2020
Shumen

Member of the Scientific Jury:


/Prof. Dr. Sc. Eng. Zhaneta Nikolova Savova/