

STATEMENT

on a competition for the obtaining of the academic position “Professor”
in the field of higher education: 5. Technical sciences, professional field: 5.13.General
engineering, /Engineering logistics/ at the Department of “Engineering logistics“, Faculty of
Technical Sciences at “Konstantin Preslavsky” University of Shumen

The competition is announced in State Gazette issue 63/17July 2020

Candidate: Assoc. Prof. Dr. Sc. Eng. Plamen Borisov Dyankov

Member of the scientific jury: Prof. Nikolay Lichkov Georgiev, Doctor of Technical Sciences
Grounds: Order №RD-16-105/09.10.2020 by the Rector of “Konstantin Preslavsky”
University of Shumen

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

The candidate for participation in the competition for the obtaining of the academic position “Professor” at the Department of Engineering logistics, Faculty of Technical Sciences of “Konstantin Preslavsky” University of Shumen consecutively held the academic positions of “Assistant Professor” (during the period of 2012 – 2016), “Chief Assistant Professor” (during the period of 2016 – 2018) and “Associate Professor” (from 2018 to the present) at the same Department. He successfully defended two PhD theses for the obtaining of the educational and academic degree “Doctor” – in professional field “3.5. Social communications and information sciences”, titled “Network-centric approach to the management and organization of logistics” in 2014 and in professional field “5.3. Communication and computer technology”, titled “Optimization of multimodal transport systems” in 2016. In 2017 he successfully defended a doctoral dissertation for the obtaining of the academic degree of Doctor of Sciences in professional field “3.5. Social communications and information sciences” titled “Functional model for the optimization of transport systems in logistics”. The candidate is included in the Register of the academic staff and defended dissertations at NACID (National Centre for Information and Documentation) as a habilitated person with scientometric indicators.

In the competition for the obtaining of the academic position “Professor” the candidate participates with a monographic work and 17 publications in seven of which Assoc. Prof. Dyankov is an independent author and in ten is the lead author. The candidate has indicated 43 citations and participated in 11 scientific and scientific-educational projects.

All of the candidate’s works, representing his scientific research and applied scientific activity, are in the area of the competition and correspond to the requirements of the normative documents as follows:

A – Indicator 1	100 p.
B – Indicator 3	100 p.
Г – Sum of Indicator 8	236,7 of which 200 p. are required
Д – Sum of Indicators 14	115 of which 100 p. are required
E – Sum of Indicators 16-28	183,33 of which 150 p. are required
Total:	735,03 p.

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

Assoc. Prof. Plamen B. Dyankov started his teaching activity as an Assistant Professor in 2012, later as a Chief Assistant Professor from 2016 and as an Associate Professor from 2018. He teaches various academic disciplines from the curricula of the Faculty of Technical Sciences at “Konstantin Preslavsky” University of Shumen. He participates in the competition

with 3 academic textbooks and 3 academic teaching aids. He is the academic supervisor of 9 graduates, the reviewer of 8 diploma theses all of which have been successfully defended before the State Examination Commission and at the moment is the academic supervisor of two PhD students in the scientific field of 5.13. General Engineering, specialty "Engineering logistics". I have no information about the annual number of teaching hours in the disciplines led by the candidate, as well as the number of developed lecture courses, cycles of laboratory exercises and / or seminars, graduates supervised by the candidate, course projects, etc. In spite of the lack of data, in my opinion during the eight years of teaching Assoc. Prof. Dyankov has acquired enough pedagogical experience and possesses a sufficient preparation for the work as a leading habilitated lecturer – Professor.

3. Basic scientific and applied scientific contributions.

The contributions of the scientific research and pedagogical activity of the candidate can be unified in the following directions:

- Organization and management of the supply chains, related mainly with the determining of the qualitative limits for monitoring in logistics, complex dynamic systems management, design of freight settlements as a logistic complex, etc.;
- Standardized approaches for the formation and development of information flows in logistics, aimed at software technologies for supply chain management, intelligent systems for observation in railway transport, intelligent production systems in machine engineering, training requirements in the framework of intelligent production, etc.;
- Possible directions for the development of transport management processes, in particular the risks and losses in transport production organization, economic impact of logistics on transport, intelligent systems in road transport, analysis of transport as an element in international distribution, synthesis of solutions in transport tests in MatLab software environment, etc.;

4. Significance of the contributions to science and practice

In their theoretical framework the contributions of the candidate are related to research in the field of engineering logistics and mainly to the need of balanced, integrated and qualitatively determined limits for monitoring and evaluation of the execution, the effective logistics management of the processes within a production company, the clarification of theoretical and practical issues regarding the preparation of the structural framework, the development and exploitation of intelligent production systems, the consequences of the implementation of intelligent industries for the industrial market and the society, the system of risk minimization methods, the intelligent transport systems providing more information to their clients, the decision regarding a choice of transport technology which is extremely complex due to the large number of possible options, etc.

In the majority of the publications offered for participation in the competition the candidate is an independent or lead author. This gives me reason to believe that the main contributions to the works submitted for participation are related to the topic of the competition and are the personal work of the candidate.

5. Critical remarks and recommendations

The publication activity of the candidate complies with the normative requirements both quantitatively and as a content. In the future, it would be good if the candidate's publishing activity is focused mainly on more specialized indexed editions abroad, suitable for publication in his scientific specialty.

In this regard, I would recommend that the candidate seeks opportunities for publications co-authored by foreign scholars, as well as participation in international projects

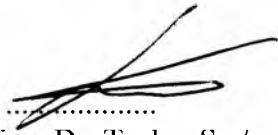
with related universities and scientific organizations in order to apply his scientific achievements and promote the results of his scientific research among a larger range of specialists.

CONCLUSION

Assoc. Prof. Dr. Sc. Plamen B. Dyankov has presented for participation in the competition for obtaining the academic position “Professor” a sufficient volume of scientific works, aimed mainly at the field of Engineering logistics. The presented works demonstrate a good level of theoretical knowledge, have a sufficient number of citations and correspond to the requirements of the regulatory documents.

This gives me enough reason to give a positive assessment to the candidate and to propose Assoc. Plamen Borisov Dyankov to obtain the academic position "Professor" in the Department of “Engineering Logistics”, Faculty of Technical Sciences, “Konstantin Preslavsky” University of Shumen in the field of higher education: 5. Technical Sciences, professional field 5.13. General Engineering, / Engineering Logistics /.

03 November 2020

Member of the scientific jury: 
/Prof. Nikolay Lichkov Georgiev, Dr. Techn. Sc./