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"FILII MARIS SUMUS"



REVIEW

on a competition to occupy an academic position "Associate Professor" in the field of higher education 5. "Technical Sciences", professional direction 5.7. "Architecture, civil engineering and geodesy " (General, higher and applied geodesy) in the Department of Geodesy at the Faculty of Technical Sciences of Shumen University "Bishop Konstantin Preslavski".

The competition has been announced in the State Gazette no. 79/08.10.2019 г.

Candidate: Chief assistant Evgeni Grishev Stoykov, PhD.

The review has been prepared: Prof. Dr. Eng. Yuri Ivanov Dachev, Higher Naval School "N. Y. VAPTSAROV" – Varna

Grounds for drawing up the review:

1. Order No RD-16-183 from the 03.12.2019 of the rector of the SHU "Bishop Konstantin Preslavski" for the appointment of a composition of a scientific jury to conduct the announced in SG. 79/08.10.2019 competition for the occupation of academic position "Associate Professor" in the field of higher education 5. "Technical Sciences", professional direction 5.7. "Architecture, civil engineering and geodesy " (General, higher and applied geodesy) in the Department of Geodesy at the Faculty of Technical Sciences of Shumen University "Bishop Konstantin Preslavski".

2. Minutes of the first meeting of the Scientific jury under the procedure for conducting the announced in SG. 79/08.10.2019 competition for the occupation of academic position "Associate Professor" in the field of higher education 5. "Technical Sciences", professional direction 5.7. "Architecture, civil engineering and geodesy " (General, higher and applied geodesy) in the Department of Geodesy at the Faculty of Technical Sciences.

3. Information on the fulfilment of the minimum national requirements referred to in article 26 (2) and (3) and the requirements of article 24 of the Law on the Development of Academic Staff in the Republic of Bulgaria of the Chief assistant Evgeni Grishev Stoykov, PhD.

1. A common feature of the applicant's research and research activities

Only candidate for participation in the contest is a Chief assistant Evgeni Grishev Stoykov, PhD. He has a master degree in "Geodesy" in the Master program "Geomatika", received in the SHU "Bishop Konstantin Preslavski" in 2011. His career in 17 years includes work as a construction technician, chief expert in the municipal administration of Shumen, assistant and chief assistant in the Department of Geodesy of the SHU "Bishop Konstantin Preslavski".

The career and creative development of the Chief assistant Evgeni Stoykov, PhD has undergone an extended period, consisting of stages of accumulations of experience, knowledge, scientific, research and pedagogical skills. Evidence of this is the scientific production it has presented and its thematic focus and scope. These are 5 publications for educational and scientific degree "doctor" and 13 publications, one monograph, participation in 13 scientific projects and 17 citations in collective volumes with scientific review-for the competition for "Associate Professor".

In terms of authorship, I appreciate the publications as a telling example of the balance between individual (9) and collective developments (4). In my opinion, this is an important testimonial for the maturity of the candidate, who conducts independent publications and works, and at the same time is a participant in collective publications and scientific projects in which he finds an environment for sharing his own scientific and practical-applied ideas.

Accordingly, I consider that the requirements for the quantitative parameters and the qualitative characteristics of which the research and the scientific and applied activities of the candidate for "Associate Professor" must comply are satisfied in full. Chief assistant Evgeni Stoykov, PhD fulfils the minimum national requirements under article 26 (2) and (3) of the Law on the Development of Academic Staff in the Republic of Bulgaria as "Associate Professor" in area 5. Technical sciences, collecting a total of 401.6 points.

2. Assessment of the applicant's pedagogical training and activity

I have a direct impression of the teaching work of Chief assistant Evgeni Stoykov, PhD in the Department of Geodesy of the SHU, due to the excellent contacts and collaboration with colleagues from the department.

Through participations in various forms to expand and deepen their qualification and through the membership of prestigious organizations – the USB (Union of scientists in Bulgaria), CEID (Chamber of Engineers in investment design) and IEEE (Institute of Electronics Engineers), a solid professional training was realized and competences were acquired, affirming Chief assistant Evgeni Stoykov, PhD as a lecturer and researcher with lasting interests and profound knowledge. These efforts and his professional attitude to the work are highly praised, which is expressed in a well-deserved reputation not only among the academic community of the SHU, but also among the specialists from a number of institutions in Bulgaria.

Chief assistant Evgeni Stoykov, PhD is an established lecturer, lecturing in basic subjects of the students, majoring in geodesy, "Bachelor" and "Master" in the SHU. The lecture courses are in the direction of the competition and the majority are provided with

literature, prepared and with the participation of the candidate. The formed knowledge, skills and experience are actively used through the participation of the candidate in a number of educational projects – the development of curricula, participation in the development of curricula, participation in accreditations of the specialty, etc. These facts provide the necessary justification for the firm judgement that the Chief assistant Evgeni Stoykov, PhD possesses modern teaching qualities and skills, which he creatively implements in his academic activities.

3. Basic scientific and scientific-applied contributions

From the detailed analysis of the scientific production presented, I estimate that the scientific studies in it have a systemic character and are a synthesis of the creative quests and the scientific and pedagogical improvement of the candidate for first habilitation. The results of the research work stem from a focused activity in which the real needs of science and practice are central.

An important place in the scientific production of the candidate is the presented monograph "Technical means and systems in the performance of hydrographic measurements" in a volume of 177 pages. This is a thorough theoretical analysis, which presents the status and the original views of the Chief assistant Evgeni Stoykov, PhD on the tasks and problems of modern hydrographic research. The monograph has originality, which in combination with the scope and depth defines it as a scientific product of high importance for the scientific, educational and practical spheres.

The second sector in the scientific production is represented by articles and scientific Reports, which are thematically merged and present the results of scientific research in the field of applied and higher geodesy. In this strand of scientific interests and searches are formed three important scientific-applied and one applied contributions, as well as original practical solutions.

The achievement of the candidate is also the successful reflection of the results of the research activity in the presented publications with study focus. This third sector presents the candidate in the light of a university lecturer. Their content shows that he is fluent in the subjects taught - "Digital Image Processing", "Geodetic Networks", "Marine Geodesy", "GNSS Application in Geodesy". I confirm that the claimed claims for contributions, formulated correctly, reflect the results of the author's scientifically applied and applied research.

4. Importance of contributions to science and practice

For the significance of the contributions of the candidate for science and practice, I should note that his publications are presented at the authoritative scientific forums in Bulgaria.

The presence of 17 citations by other authors suggests that the results of the research activities of the Chief assistant Evgeni Stoykov, PhD are positively appreciated and used in professional circles. It is recognizable in the professional space of our country.

5. Critical remarks and recommendations

My recommendation to the Chief assistant Evgeni Stoykov, PhD is to direct his efforts to publish in specialized foreign scientific journals indexed in world scientific databases, such as SCOPUS and WOS, because his research in the field of GNSS really deserves a high evaluation and will represent Interest abroad. This will lead to a citation of his publications and from foreign authors, which is currently lacking in his scientific production.

6. Conclusion

To sum up, I declare that with the scientific production presented and the training teaching, the candidate Chief assistant Evgeni Stoykov, PhD satisfies the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria and the SHU for the occupation of the academic position "Associate Professor", as well as of the nausimetric indicators.

I find it reasonable to suggest the candidate Chief assistant Evgeni Stoykov, PhD to take the academic position "Associate Professor" in the Department of Geodesy of the SHU "Bishop Konstantin Preslavski" in a professional direction 5.7. "Architecture, civil engineering and geodesy " (General, higher and applied geodesy).

06. 01. 2020

Varna

MEMBER OF THE JURY:

(Prof. Dr. Eng. Yuri Dachev)

