



OPINION

by Associate Professor Dr. Eng. Evgeni Stoykov
by Shumen University "Bishop Konstantin Preslavski"
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on a competition for academic position "Professor" in the field of higher education 5. "Technical Sciences", professional direction 5.7. Architecture, construction and geodesy (Cartography (incl. thematic geographical mapping)) in the Department of Geodesy, Faculty of Technical Sciences of The University of Shumen "Bishop Konstantin Preslavski".

Candidate: Associate Professor Dr. Eng. Sabin Ivanov Ivanov

Reason: Order No RD-16-143/29.09.2021 of the Rector of the University of Shumen "Bishop Konstantin Preslavski".

1. Biographical data

Associate Professor Dr. Eng. Sabin Ivanov has acquired a Master's degree in „Geodesy, Photogrammetry, Cartography and Artillery Instrumental Intelligence“ at the Supreme National Military School "Vasil Levski" in 2002.

In 2017 he defended his dissertation on the acquisition of the Educational and Scientific Degree "Doctor" in professional field 5.7. Architecture, construction and geodesy (Cartography (incl. thematic geographical mapping)) with the theme of the dissertation work: "Mapping and analysis of the cultural and historical heritage of Shumen region".

From 2014 to 2021 he held successive academic positions "Assistant", "Chief Assistant" and "Associate Professor" in the Department of Geodesy at University of Shumen „Bishop Konstantin Preslavski“.

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

Associate Professor Sabin Ivanov lectures in the main subjects of the students from the specialty "Geodesy", "Master's degree (After Secondary Education)" and "Master (after higher)" at the University of Shumen. Lecture courses are in the direction of the competition. He participated in the development and developed curricula and accreditation documents himself.

Associate Professor Dr. Eng. Sabin Ivanov is the scientific leader of two PhD students from the Department of Geodesy.

This is sufficient reason to assume that the applicant has the teaching qualities and skills that he applies in his academic activity.

3. General characteristics of the applicant's scientific-research and scientific-applied activities

According to the announced competition for "professor" the candidate has submitted 28 pcs. publications of which – 1 pc. monograph in co-authorship, 21 pcs. articles and reports, 2 pcs. textbooks and 4 pcs. learning tools. The submitted report lists 37 citations of the candidate's work.

The candidate participated in 9 projects and was the manager of 1 project.

Associate Professor Dr. Eng. Sabin Ivanov, according to the author's report, has defined his contributions in two directions:

In the field of thematic cartography

A toolkit for the implementation of digital remote methods is presented, increasing the possibility of detecting various interesting morphological structures in remote areas; specific solutions for the effective operation of cultural heritage sites have been proposed; a universal sign system covering cultural monuments is presented; a methodology for mapping the sites and the introduction of historical resources into GIS data sets has been proposed to facilitate their management; field mapping activities have been proposed.

In the field of cartography

Ways of modeling the relief, stereophotometric techniques using aerial photos are proposed; some basic principles have been laid down in digitalisation, especially those relating to how to avoid errors during the digitalisation process; new technologies and methods for sourcing, data management in a digital environment and their mapping visualization are proposed, following the trends of modern cartography; two textbooks on mathematical cartography have also been implemented in the students' training.

According to the submitted Reference for implementation of the minimum national requirements under Art. 2b, para. 2 and 3 of the LDASRB for professional direction 5.7. Architecture, Construction and Geodesy (Cartography (incl. Thematic Geographical Mapping)) for the academic position "Professor", Associate Professor Dr. Eng. Sabine Ivanov achieved 613.32 points at a required minimum of 600 points as follows:

Group A – 50 p.

Group B – 100 p.

Group G – 200,32 p.

Group D – 103 p.

Group E – 160 p.

I accept the contributions of the applicant, which are of a scientific-research and scientific-applied nature and relate to:

- addition to the existing theory, methodology and enrichment of existing knowledge;
- application of scientific advances in practice.

4. Critical notes and recommendations

I do not have critical notes, but I recommend that the candidate direct his efforts to publications in specialized foreign scientific forums and journals indexed in global scientific databases.

5. Conclusion

The analysis made in the opinion of the teaching, scientific-research and other activities of Associate Professor Dr. Eng. Sabin Ivanov Ivanov shows that the requirements of the LDASRB, the RILDASRB, as well as the RDASUS for holding the academic position "Professor" are fulfilled.

In view of the above, I propose to the Dear Scientific Jury on the competition to vote positively, Associate Professor Dr. Eng. Sabin Ivanov Ivanov to take the academic position "Professor" in the field of higher education: 5. Technical sciences, professional direction 5.7. Architecture, construction and geodesy (Cartography (incl. thematic geographical mapping)) at the Faculty of Technical Sciences of the University of Shumen "Bishop Konstantin Preslavski".

14.10.2021
Shumen

Member of the scientific jury:

/Assoc. Prof. Dr. Evgeni Stoykov/