

OPINION

by competition for taking the academic position "associate professor"
by professional field 5.7. "Architecture, Civil Engineering and Geodesy (Cartography,
including thematic Geographical Mapping)"

The competition was announced in SG No. 21 of 12.03.2019.

Applicant: Ch. Assist. Dr. Sabin Ivanov Ivanov

Member of the Scientific Jury: Prof. Dr. Eng. Chavdar Iliev Alexandrov

1. A general characteristic of the applicant's research and applied research activities

The candidate for participation in the competition for occupying the academic position "Associate Professor" in the Department of Geodesy at "Episkop Konstantin Preslavski" University of Shumen has been working at the same university since 01.03.2014. After PhD studies, he defended a thesis on "Cartography, including thematic geographic mapping" on "Mapping and Analysis of the Cultural and Historical Heritage of the Shumen Region" in 2017. All scientific output outside the dissertation is also entirely in the field of geodesy and cartography, including using state-of-the-art research methods, technical tools and application software. The candidate is included in the register of the academic staff and the defended dissertation works at NACID. When registering the dissertation the candidate has no scientific metrics, which should be done before the finalization of this competition.

In the "Associate Professor" competition, the applicant participated in monographic work and 10 other publications, including one article in a magazine (included in the National Reference List as University of Shumen), 3 publications in the yearbook of the Faculty of Technical Sciences of Shoumen University and 6 in the collections of reports from the Mattheh scientific session, also organized by the faculty. Also included in the list of scientific papers is a manual for working with topographic maps, issued on its own. The applicant is the sole author of all 10 publications and has quoted 17 quotes in 8 of his papers. He has participated in 7 scientific and educational projects.

All the applicant's papers representing his research and applied research activities are in the field of the competition and comply with the requirements of the normative documents as follows:

A - Indicator 1 – 50 pts.

C - Indicator 3 – 100 pts.

D - Amount of Indicators 5 - 11 – 200 pts. (10 standalone 20-post posts)

E - Amount of Indicators 12 - 15 - 51 pts. (17 quotes on 3 pages)

Total – 401 pts.

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

Chief Assist. Ivanov started teaching as an assistant in the Department of Geodesy at the University of Shumen in 2014, where he is a chief assistant at the moment of the announcement of the competition. He teaches at various dispositions from the curricula of the Faculty of Technical Sciences at Shumen University - Geodesy I and II part, Topography and others. He is the author of a training manual - a guide for working with a topographic map. There is no information about the annual course on the courses conducted by the candidate, as well as the number of lecture courses, laboratory exercises and / or seminars conducted by him / her, course projects and others. In spite of the lack of data, I consider that Sabin Ivanov

has suffered from sufficient pedagogical experience during the five years of his work as an assistant, and that he is well prepared to work as a lecturer.

3. Key scientific and applied research contributions.

The contributions from the applicant's research and pedagogical activities can be combined into the following areas:

3.1. Analysis and assessment of the state of the sites of the cultural and historical heritage of the Shoumen region;

3.2. Analysis of the main methods and technologies for different variants of the specialized maps of the cultural and historical heritage of the Shoumen region;

3.3. Development of technology for three-dimensional mapping of sites of cultural and historical heritage, including formulation of technological principles of construction, methods for finding and eliminating problematic situations in preserving the cultural and historical heritage;

3.4. Development of mathematical apparatus for geodetic calculations;

3.5. Development of textbooks and teaching materials, including a manual for working with a topographic map.

4. Significance of contributions to science and practice

From a theoretical point of view, the applicant's contributions are related to studies in the field of geodesy and mapping of objects of a certain value and significance in the historical and social context.

In all 10 publications offered for participation in the competition, the applicant participates independently. Surveying surveys in geodesy and cartography, analysis of geodetic systems, and the use of state-of-the-art research tools including instrumentation and software. This gives me reason to believe that the main contributions to the works submitted for participation are on the subject of the competition and are a personal work of the candidate.

5. Critical remarks and recommendations

The publicity activity of the applicant corresponds to the normative requirements both quantitatively and as content. However, most of the publications (80%) are seen in the editions of the faculty in which the candidate works, and the rest of them - in the University's publication. It would be good if in the future, the applicant's publicity activity would mainly focus on more specialized indexed journals abroad, suitable for publication in his scientific specialty. This will also increase the chances of more and more varied quotes that are limited to the publications of three authors working in the same faculty when participating in this competition and do not appear on any known science-based basis.

It is also noteworthy that in all publications the candidate is an independent author, who can be considered a flaw in today's globalization, interdisciplinarity, and wide-ranging scientific research. I would recommend that the applicant seek opportunities to participate in international projects with similar universities and scientific organizations to apply their scientific achievements in the field of geodesy and cartography as well as to popularize the results among a wider range of specialists.

CONCLUSION

Chief Assist. Dr. Sabin Ivanov Ivanov presented for the "Associate Professor" competition a sufficient amount of scientific production, mainly in the field of geodesy and cartography for solving real problems in the sphere of geodesy practice. The presented works are of good theoretical level, with a sufficient number of citations and meet the requirements

of the regulatory documents. The candidate's pedagogical experience also meets the requirements. All this gives me enough reason to propose Chief Assist. Sabin Ivanov Ivanov to take the academic position "Associate Professor" in the Department of Geodesy at "Episkop Konstantin Preslavski" School in the Professional Field 5.7. "Architecture, Civil Engineering and Geodesy (Cartography (including thematic geographic mapping))".

02.06.2019
Varna

Member of the Scientific Jury:
/ Prof. Dr. Eng. Ch. Aleksandrov /