

OPINION

On a competition to occupy an academic position "Associate Professor"
In the professional direction 5.7. "Architecture, Civil Engineering and geodesy (general,
Higher and applied geodesy)"

The competition was announced in ДВ. 79 of the 08.10.2019 G.

Candidate: Ch. Ace. PhD. Evgeni Grishev Stoykov

Member of the Scientific jury: Assoc. Prof. PhD. Sabin Ivanov

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

The candidate for the participation in the competition for the occupation of the academic position "Associate Professor" in the department "geodesy" of the SHU "Bishop Konstantin Preslavski" works in the same university from 01.09.2012 G. After training in doctoral studies he defended a dissertation on "General, High and Applied geodesy" on the topic "Investigation of the possibility of using the two-speed GPS receiver in RTK mode for the creation of BER, for filming and tracing of objects" in 2015. All scientific production outside the dissertation is also entirely in the field of geodesy, including using modern research methods, technical tools and application software. The candidate is included in the Register of the academic staff and the protected dissertation works in the NACID.

In the competition for "Associate Professor" the candidate participates with monographic work and 13 more publications, of which an article in the magazine-"geodesy, Cartography, land", a report of a national Scientific conference – "Interdisciplinary Study of Megalith", 6 Publications in the Yearbook of the Technical Sciences Faculty of Shumen University and 5 in collections with reports from the scientific session "Mattech", organized also by the faculty. The candidate is a stand-alone author of 9 publications and has indicated 17 citations of 6 of his works. He has participated in 13 scientific and scientific education projects.

All the works of the candidate, presenting his scientific research and scientifically applied activities, are in the field of the competition and comply with the requirements of the normative documents as follows:

A – Indicator 1	50 p.
B – Indicator 3	100 p.
Г – Amount of indicators 5 – 11 co-author Publications – 20.6 p)	200,6 p. (9 Solo publications with 20 p – 180 p, 4
Д – Amount of indicators 12 – 15	51 p. (17 quoted by 3 points.)
Total	401.6 p.

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

Ch. Ace. Stoykov began teaching work as an assistant in the Department of Geodesy of the SHU in 2012, where he was chief assistant at the time of announcing the competition. He teaches various Disciplines from the curriculum of the Faculty of Technical Sciences at the University of Shumen. There is no information about the annual workload of the candidate subjects, as well as the number of courses developed, cycles with laboratory exercises and/or seminars, diploma-led graduates, course projects, etc. Despite the lack of data, I believe that in the seven years of work as assistant and chief assistant Evgeni Stoykov has accumulated sufficient pedagogical experience and has enough good preparation for work as a trained lecturer.

3. Basic scientific and scientific-applied contributions.

Contributions from the research and pedagogical activities of the candidate can be combined in the following areas:

3.1. A methodology for statistical analysis and estimation of differences from measurements obtained by classical method and GNSS in RTK mode has been developed;

3.2. A methodology for the creation of RGO, geodetic surveying and tracing of objects with GNSS in RTK mode at different duration of measurements has been developed;

3.3. Thorough analysis and evaluation of satellite navigation methods. GNSS methods for determining points coordinates in RTK mode using a user and permanent base station;

3.4. Real experimental researches have been carried out on sites from the territory of northeastern Bulgaria proving the reliability of the developed methodologies for application of GNSS in RTK mode for creation of RGO, geodesic filming and tracing of objects.

4. Importance of contributions to science and practice.

In theoretical terms, the applicant's contributions are related to research in the field of geodesy.

In 9 of the publications proposed for participation in the competition the candidate participates independently and in 4 is co-author. In the works prevail research in the field of geodesy, analysis of geodesic systems, as well as use of modern research tools including hardware and software. This gives me a 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 activity activity of the applicant conforms to the normative requirements both quantitatively and as content. However, it can be seen that the majority of publications (80%) Are made in the publications of the faculty in which the candidate works, and the others in the University edition of the SHU. It would be good in the future for the activity activity of the candidate to be directed mainly to more specialized indexed editions abroad, suitable for publication in his scientific specialty.

I would recommend the candidate to seek opportunities for participation in international projects with related universities and scientific organizations for the implementation of his scientific achievements in the field of geodesy and to promote the results among a wider range of Professionals.

CONCLUSION

Ch. Ace. PhD. Evgeni Grishev Stoykov has presented for participation in the competition for "Associate Professor" sufficient scientific production, focused mainly in the field of geodesy for solving real problems in the field of geodesic practice. The presented works are on a good theoretical level, with a sufficient number of citations and meet the requirements of the regulatory documents. The applicant's pedagogical experience also meets the requirements. All this gives me enough reason to propose a ch. Ace. PhD. Evgeni Grishev Stoykov to take the academic position "Associate Professor" in the Department of Geodesy of the SHU "Bishop Konstantin Preslavski" in the professional direction 5.7. "Architecture, Civil Engineering and geodesy (general, Higher and Applied geodesy)".

17.12.2019 г.

Member of the Scientific jury:
/ Assoc. Prof. PhD. S. Ivanov /