



OPINION

From Ass. Prof. Doctor Engineer Plamen
Mihaylov Mihaylov

for the presented materials for participation in a competition for occupying the academic position „Associate Professor“ in Professional Field 5.7 Architecture, Construction and Geodesy, scientific specialty "Cartography (including thematic geographic mapping)"

In the competition for an associate professor, published in the State Gazette, 21 / 12.03.2019 and on the site of Shoumen for the needs of the Department of Geodesy at the Faculty of Technical Sciences, as the candidate participates only Dr. Eng. Sabin Ivanov Ivanov.

1. Brief biographical data.

Dr. Ivanov graduated from university in 2002 at the Higher Medical School "V. Levski, Faculty of Shumen, GFC. From 2002 to 2008 he worked at the Military Geographic Institute of the Troyan Ministry of Defense. Until 2010 he worked as a surveyor engineer. From 2014 until now he is assistant and chief assistant in the Department of Geodesy at the Sofia University. In 2017 he defended a dissertation on "Mapping and Analysis of the Cultural and Historical Heritage of the Shumen Region" and received a Ph.D.

2. General description of the materials presented.

The candidate, Dr. Eng. Sabin Ivanov, participated in the competition with:

- Monographs - 1 issue;
- Publications - 10 items - 2 articles (licensed in EBSCO) and 8 reports.

In addition to these materials, Dr. Eng. Sabin Ivanov also has 1 number of teaching materials not included because they are recognized only as a professor.

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

A - Indicator 1 - 50 pts.;

B - Indicator 3 - 100 pts.;

C - Amount of Indicators 5 - 11 - 200 points (10 individual posts by 20 points);

E - Amount of Indicators 12 - 15 - 51 pts. (17 citations of 3 points).

Total - 401 pts.

3. Reflection of the applicant's scientific publications in the literature (known quotes).

A reference is made to 17 citations from other authors.

4. A general characteristic of the applicant's activity.

Chief Assist. Eng. Sabin Ivanov Ivanov reads lectures and conducts basic disciplines in the department. He actively participates in the life of the department.

4.1. Educational-pedagogical activities (work with students).

In the Department of Geodesy at the University of Economics, the candidate is a lecturer from 2014. There is a rich pedagogical experience. He is a co-author of the curriculum of Cartography and leads all the Cartography exercises. He took an active part in the accreditation procedures of the Department and in educational projects under national and international programs.

4.2. Scientific and applied research

Dr. Eng. Sabin Ivanov has participated in 9 NF research projects for NI and the NI Fund of the WS. Reviewer of project materials, reports, etc. It has a very good scientific application.

4.3. Implementation activities

Dr. Eng. Sabin Ivanov concluded the formula for himself calculating the starting angle when resolving the backlash by the sinus and cosine of the measured horizontal angles, which is very well accepted by the learners.

He has developed a methodology for solving a horizontal junction on measured horizontal angles and a straight junction at indicated angles

4.4. Contributions (scientific, applied, applied).

Scientific:

Conclusion of a formula for calculating the starting angle, when resolving the sinus and cosine of the measured horizontal angles.

Scientifically applied:

Construction and development of the scientific infrastructure;

Investigation and analysis of capabilities of unpilot photogrammetry for mapping of objects from the locality;

Development of technology for three-dimensional mapping of cultural-historical heritage.

Applied:

- Implementation of the formula developed by him for calculating the starting angle, when resolving the feedback by the sines and cosines of the measured horizontal angles in the training of the students in geodesy.

5. Assessment of the applicant's personal contribution.

I believe that the submitted works and the contributions are a personal work of the applicant Ch. Assist. Sabin Ivanov, PhD.

6. Critical remarks.

I have no critical remarks about the materials presented.

7. Personal impressions.

I know the candidate Dr. Ivanov as a very good scientist in the field of his Geodesy Mapping. He makes a very good impression with his dedication and working capacity. He is extremely correct in his work with colleagues and trainees, which is a guarantee of his authority in the academic community. He is a recognized teacher in our country.

8. Conclusion:

In view of the above, I suggest that Dr. Sabin Ivanov Ivanov be elected as an "associate professor" in the professional field 5.7 Architecture, Civil Engineering and Geodesy, Scientific Specialty "Cartography (including thematic geographic mapping)".

05.06.2019
City of Shumen

Member of the Scientific Jury:.....
Assoc. Prof. Dr. Eng. / Mihailov /