



## HIGHER NAVAL SCHOOL "N. Y. VAPTSAROV"

9026 Varna, 73 V. Drumev Str., el.052/632-015, fax 052/303-163

**"FILII MARIS SUMUS"**

### OPINION

on a competition for academic position "professor"  
in the field of higher education 5. "Technical sciences", professional field 5.7.  
"Architecture, Construction and Geodesy" scientific specialty (Photogrammetry and Remote Methods), in the Department of "Geodesy" at the Faculty of Technical Sciences of Shumen University "Bishop Konstantin Preslavski"

The competition is announced in SG issue 41/03.06.2022.

Candidate: Assoc. Prof. Dr. Eng. Kiril Filipov Yanchev

**Prepared the review:** Prof. Dr. Eng. Dimitar Yordanov Dimitrakiev, HNS "N. Y. Vaptsarov" - Varna

#### **1. General characteristics of the applicant's scientifically research and scientifically applied activity**

Assoc. Prof. Dr. Eng. Kiril Filipov Yanchev, is the only candidate for the position of "PROFESSOR" in the above-mentioned competition. He is successively an assistant, chief assistant and associate professor at the Department of Geodesy of Shumen University. For more than 30 years he has worked as a surveyor and designer in geodetic companies. Doctor in the scientific specialty "General, higher and applied geodesy" at the Shumen University "Bishop Konstantin Preslavski". This is enough to conclude that he has great practical experience, knowledge, pedagogical and research skills.

1 monograph, 14 publications in various journals and conferences, and 4 textbooks have been provided to me for evaluation. 34 citations are listed.

I have been presented with evidence that Associate Professor Kiril Yanchev fulfills the minimum national requirements under Art. 26, para. 2 and 3 of LDASRB for "professor" in Field 5. Technical sciences.

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

Assoc. Prof. Kiril Yanchev has a sufficient academic load in the main academic disciplines in the Geodesy Department - Geoinformatics, GIS Design, Vertical Planning,

Applied Geodesy, Regulations, etc.

He supervised graduate students on topics in the direction of the competition.

A number of educational and scientific projects were also implemented under his leadership:

- Research the effectiveness of GNSS technologies in RTK mode, together with mobile GIS, for the needs of the cadastre;
- Study the application of remote methods and technologies in the mapping of spatial objects;
- Modernization, digitalization and internationalization of education in the professional direction "Architecture, Construction and Geodesy" at the University of Mining and Geology "St. Ivan Rilski;
- Laboratory for testing topologies and communications, etc.

I have not been presented with documents for doctoral students supervised by him and successfully defended.

I believe that Associate Professor Kiril Yanchev possesses sufficient teaching and research qualities and skills.

### **3. Main scientific and scientifically applied contributions**

The monograph "Laser scanning - the achievable precision in the field of photogrammetry, remote sensing and geodesy" is presented to me. In it, Prof. Yanchev makes a thorough theoretical analysis, through which he presents his original views on the tasks and problems of laser scanning in photogrammetry and geodesy. For the scientific value of the publication, I fully trust the reviewers and.

The articles and scientific reports are thematically united and present the results of scientific research in the field of laser scanning for the needs of geodesy and geographic information systems.

I accept all claims of the candidate for scientific-applied and applied contributions, successfully proven in his scientific production.

### **4. Importance of contributions to science and practice**

I accept with conviction that the results of the research activity of Assoc. Prof. Kiril Yanchev are positively evaluated and used in professional circles.

### **5. Critical notes and recommendations**

Without questioning the qualities of Prof. Yanchev, I consider it necessary for him to improve his future publication activity and make efforts for publications in foreign journals and in works of scientific conferences, indexed in the world-famous databases

Scopus and WoS. I recommend that he increase his co-authors and expand his collaborative work with his young colleagues and PhD students.

## 6. Conclusion

I confidently state that Assoc. Dr. Eng. Kiril Filipov Yanchev meets the requirements for occupying academic positions at "Episkop Konstantin Preslavski" SHU and the minimum national requirements under Art. 26, para. 2 and 3 of LDASRB for "professor" in Field 5. Technical sciences.

In this regard, I suggest that the scientific jury positively assess the candidate Assoc. Prof. Dr. Eng. Kiril Filipov Yanchev and propose to the Faculty of Technical Sciences of Shumen University "Bishop Konstantin Preslavski" to elect him as a "professor" in the Department of "Geodesy".

**13. 10. 2022**

**VARNA**

**MEMBER OF THE JURY:**  .....

**(Prof. Dr. Eng. Dimitar Dimitrakiev)**