

OPINION

in

in a competition for the academic position of "Associate Professor"
in scientific field, 5. Technical sciences
professional field 5.2. Electrical engineering, electronics and automation
announced in SG no. 45 of 28.05.2021,
with candidate PhD. Eng. Stanislav Dimitrov Gyoshev
Member of the scientific jury: Prof. PhD. Eng. Pancho Krastev Tomov

1. General characteristics of the research and scientific-applied activity of the candidate

For participation in the competition PhD Eng. Stanislav Gyoshev has presented 10 pieces. Publications referred to in Scopus equivalent to a monograph and 26 scientific publications (journal articles and conference reports).

Of the 26 publications (articles and reports), 8 are independent, 5 are co-authored with one author, and the candidate is the first author; 13 issues have two or more co-authors, and in 10 of them the candidate is the first author.

There are 11 scientific publications in Bulgarian and 15 in English.

The publications do not repeat articles and reports about ESL "Doctor".

The list of citations for participation in the competition includes 14 issues in scientific journals, referenced and indexed in world-famous databases with scientific information and 14 citations in collective volumes and in non-refereed journals with scientific review.

The candidate has participated in national and international scientific and educational projects, as he was the leader of 3 national research projects for the period 2016 - 2019 and a member of the team of 1 international research project. The applicant is a member of a team presenting 2 patents, 1 utility model and 1 published patent application.

The research and scientific-applied activity of the candidate are in problem areas relevant for the industry and he uses modern methods and means for solving the set problems and achieving the respective goals.

I believe that the volume and quality of the results of scientific and applied work of the candidate meet the requirements for the academic position of "Associate Professor" and meet the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria and the Rules for the implementation of the law on the Development of the academic staff. All indicators are over fulfilled, with the largest over fulfillment of the indicators from group E.

2. Main scientific and applied scientific contributions

There are sufficient in importance and number of scientific, scientific-applied and applied contributions in the presented works. They are in the directions - high-speed impact processes, briquetting of metal waste and 3D scanning, modeling and 3D printing. Contributions can be attributed to the groups of proving with new means the essential

new sides of already existing scientific fields, problems, theories, hypotheses, technologies and obtaining confirmatory facts.

I accept the scientific-applied and applied contributions, formulated by the candidate, but it is necessary to edit and summarize them.

3. Significance of contributions to science and practice

I believe that the scientific and scientific-applied contributions contained in the presented papers are relevant and important for the development and enrichment of research in the field in which the candidate works. The presented works are also important for the practice with the necessary degree of applicability. The reference to the citations shows that the candidate is known among the scientific circles in the given field.

4. Critical remarks and recommendations

In the works of the candidate I did not find any fundamental omissions, incorrect statements or conclusions.

My main critical remarks concern the formation of the contributions in the candidate's works, the repetitions of texts and figures allowed in some publications and the unresolved technical errors.

I recommend the candidate to concentrate his research activity in less scientific problems and areas and to intensify the publication in refereed and indexed international journals.

CONCLUSION

Based on my acquaintance with the materials of the competition, my positive evaluations of the research and implementation activities of the candidate, as well as my personal impressions, relevance and significance of the achieved scientific, scientific-applied and applied contributions, I recommend PhD. Eng. Stanislav Dimitrov Gyoshev to take the academic position of "Associate Professor" in the scientific field "5. Technical Sciences", professional field "5.2. Electrical Engineering, Electronics and Automation" in the section "Cyber Physical Systems" of IICT of BAS.

Date: 14.09.2021



(Prof. PhD. Eng. P. Tomov)