

STANDPOINT



by competition for the occupation of
the academic position "associate professor" of 5.4 Energy,
scientific specialty "Industrial "Heat Engineering",
announced in SG 13/ 07.02.2023

with candidate Ph.D. Eng. Krastin Krasimirov Yordanov, assistant Professor
Member of the scientific Jury: Daniela Peneva Chakarova, Ph.D. Associate Professor

1. General characteristic of the candidate's scientific and applied research.

The only candidate who submitted documents and was allowed to participate in the competition for the academic position (AD) "associate professor" is Assistant professor Ph D. Eng. Krastin Krasimirov Yordanov, who has been appointed to the position of "assistant professor" at the Department of "Thermal Engineering", Shipbuilding Faculty at the Technical University - Varna.

For participation in the competition Associate Professor Yordanov has presented a diploma for Ph D degree for indicator A1; 10 scientific publications in editions that are referenced and indexed in world-renowned databases with scientific information according to indicator B4, with the total number of 220 points; 3 scientific publications in editions that are referenced and indexed in world-renowned databases with scientific information according to indicator Г7, with the total number of points being 26; 23 scientific publications in non-refereed journals with scientific review or in edited collective volumes according to indicator Г8 with a total number of points 188.37; 6 citations of three publications of the candidate in scientific publications, referenced and indexed in world-renowned databases with scientific information or in monographs or collective volumes according to indicator Д12 with a total number of 60 points.

Assistant Professor Yordanov has participated in the development of frequent scientific research projects, specifically financed by the state budget, and in two national scientific research projects.

The analysis of the presented materials showed that the scientific-research and scientific-applied activity of Associate Professor Yordanov is entirely in the field of the competition and in professional direction 5.4 Energy.

When compared with the fulfillment of the minimum requirements for holding the position of associate professor, it can be seen that all indicators have been exceeded.

2. Assessment of pedagogical ability and activity of the candidate.

Assistant Professor Yordanov is an established teacher in the Department of Thermal Engineering of TU-Varna. For the last three years, he has led fourteen lecture courses in four disciplines with a total horary of 315 hours, which repeatedly exceeds the minimum of 30 hours (points). As the head of the Department of Thermal Engineering at TU-Varna, I can say that he is doing very well with his teaching work in the department. A report on graduates who have successfully defended their diplomas is also presented - six in the "Bachelor" and two in the "Master".

Assistant Professor Yordanov participated in the development of 12 study programs in various disciplines from the curricula of the Bachelor's and Master's programs. He has implemented eight (8) mobilities under the Erasmus program for the period 2016-2022: for the purpose of teaching; one foreign business trip related to lectures on fuels and combustion processes was made; for the purpose of training, five business trips abroad were made, related to familiarization with the methods of training, testing and visiting scientific research bases.

I positively assess the professional and pedagogical experience gained by the candidate Krastin Yordanov, which allows him to successfully meet the requirements for the academic position of "associate professor" in the announced scientific and educational specialty.

3. Main scientific and applied scientific contributions

The main contributions in the works of the assistant professor Krastin Yordanov are scientific and applied and are, for the most part, in the field of creating simulation models of heat and mass exchange processes and systems.

The main scientific and applied contributions can be summarized as follows:

- Research and modeling of heat exchange and mass exchange in various industrial processes - publications equivalent to a monographic work;
- Research and modeling of heat energy utilization devices;
- Research and modeling of the thermal behavior of buildings from traditional and alternative building materials
- Research and modeling of heat and mass exchange processes during various thermal treatments;
- Study of energy resources for energy production;
- Analysis and evaluation of a natural gas transmission chain.

After the review of the summary of the scientific and applied contributions in the research work of the Assistant Professor. Krastin Yordanov and my personal observations of his development over the last 12 years, I can state that I positively assess his scientific and research activity, which allows him to successfully meet the requirements for holding the academic position of "associate professor" in the declared scientific and educational specialty.

4. Significance of contributions to science and practice.

The significance of the scientific contributions of Assistant Professor PhD. Eng. Krastin Yordanov for science and practice is indisputable. He can be judged by his participation in the traditionally held international scientific symposia and conferences in the country. The attached citations (6 items) in scientific publications, referenced and indexed in world-renowned databases of scientific information, also illustrate the demonstrated scientific interest in certain scientific results reflected in the submitted publications of the candidate.

Candidate Krastin Yordanov has published works with scientific and purely applied contributions to science and industrial practice. The quantitative indicators of the criteria for occupying the academic position " associate professor " at the Technical University - Varna have been achieved (exceeded).

5. Remarks and recommendations

I don't have any comments on the candidate's scientific works that I can state publicly. I am sure that the candidate has more valuable ideas and results that he can successfully share in the coming years with the scientific community both in the country and abroad. I would recommend the candidate to concentrate his publication activity primarily in reputable scientific publications with an impact factor IF or an impact rank SJR.

CONCLUSION

After familiarizing myself with the presented scientific works, after evaluating their significance and the scientific-applied and applied contributions contained in them, as well as after evaluating the professional and pedagogical experience of the potential candidate, I offer

Assistant Professor PhD. Eng. Krastin Krasimirov Yordanov

to occupy the academic position of "associate professor" in professional direction 5.4. "Energy", scientific specialty: "Industrial Thermal Engineering", at the "Thermal Engineering" department, at the Shipbuilding Faculty, at the Technical University - Varna.

01.06.2023

Scientific Jury Membe

/Assoc.Prof. Ph D D. Chakarova/

Заличена информация
по Регламент (ЕС)
2016/679