

Academic Review

on a competition for the occupation of an academic position
"Associate Professor"

announced by the University of Plovdiv "Paisii Hilendarski"

in area in higher education: 4. Natural Sciences, Mathematics and Informatics of
professional field: 4.6 Informatics and Computer Science (Informatics – Software engineering)

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In the competition for "Associate Professor", announced in the State Gazette issue 57 of 26.06.2020, and on the website of the University of Plovdiv "Paisii Hilendarski", for the needs of the Department of Computer Systems at the Faculty of Mathematics and Informatics, Chief Assistant Professor Emil Hristov Doychev, PhD from the Department of Computer Systems at the Faculty of Mathematics and Informatics, University of Plovdiv "Paisii Hilendarski" participates as a candidate.

1. General description of the procedure and the candidate

By order № P33-4129/25.08.2020 of the Rector of the University of Plovdiv "Paisii Hilendarski", I was appointed a member of the Scientific Jury of the competition for the occupation of the academic position of "Associate Professor" at the University of Plovdiv in the field of higher education 4. Natural Sciences, Mathematics and Informatics of professional field: 4.6 Informatics and Computer Science (Informatics – Software engineering), announced for the needs of the Department of Computer Systems at the Faculty of Mathematics and Informatics.

Only one candidate has applied for participation in the announced competition: Chief Assistant Professor Emil Hristov Doychev, PhD, from the Department of Computer Systems at the Faculty of Mathematics and Informatics, University of Plovdiv "Paisii Hilendarski".

The submitted from the applicant materials comply with the Law on the Development of the Academic Staff of the University of Plovdiv "Paisii Hilendarski" and include all required documents.

In the last 6 years Emil Hristov Doychev was Chief Assistant Professor in the Faculty of Mathematics and Informatics at the University of Plovdiv "Paisii Hilendarski" and before that, in the period 2011-2014, he has been Assistant Professor. He graduated in 1999 as MSc in Mathematics at the University of Plovdiv "Paisii Hilendarski" and in 2013 he obtained the educational and scientific degree "Doctor" at the same university. From 2001 till now Emil Hristov Doychev has worked as team lead and project manager in the software companies ISI Intellect, Demasis and Proxiad Bularia.

The documents are carefully systematized and described and greatly facilitate the assessment to meet the necessary requirements. I do not know the applicant personally.

2. General characteristics of the candidate's activity

Chief Assistant Professor Emil Hristov Doychev actively participates at education of students at Bachelor and Master programs of the Faculty of Mathematics and Informatics, the University of Plovdiv "Paisii Hilendarski" - he is co-author of one text book and one reference book on Software Engineering and has developed 9 academic courses. The modern lecture courses in the field of Software Engineering which were taught by him at Bachelor degree programs are: "Software Processes", "Design Patterns", "Java Programming", "Software and Architecture Design", and "Portal Application Development" and at Master program are: "Software technologies with a specialization in software architectures and tools" he teaches the following academic subjects: "Modern Software Engineering", "Service-oriented architectures and-systems", "Service-oriented architectures", "Languages and environments for programming in the Internet", "Integration of databases in a web environment", "Programming with patterns and frameworks", and "Practical project 1 and 2". Emil Hristov Doychev has supervised 20 graduate students at FMI who have successfully defended their diploma theses.

Chief Assistant Professor Emil Doychev has participated in 9 research projects from which 3 internal for university and 5 financed by National Fund Scientific Reserach. It worthy to mention his participation in the international project "Software Engineering: Computer Science Education and Research Cooperation" which was implemented under the Stability Pact for South Eastern Europe and supported by the German Academic Exchange Service – DAAD.

The research activities of Chief Assistant Professor Emil Doychev is in the moden areas of sgftware engineering and electronic education - fields of Intelligent Agent Architectures, Architecture and Realization of the Virtual Educational Space (VOP), Reference Architecture of the Virtual Physical Space (VIPS) and Application of the Reference Architecture of VIPS in various fields.

The main contributions of the applicant can be summarized in 3 directions - architectures and models of the Virtual Space, architectures and models of the Virtual Physical Space, and e-learning environments (the Distributed eLearning Center - DeLC).

For the participation at the competition the applicant presented one textbook, one reference book, three chapters of books, equal to publications, and 22 publications, 7 of which are in journals, and all of them were not presented in other competitions. The presented scientific papers cover the minimum national requirements for occupying the academic position of "Associate Professor". 86 citations of the works submitted for the competition have been find, including 14 in Scopus and WoS. Thus the total number of points on citations

The personal participation and contribution of the candidate in the enclosed materials for the competition is clear. It was not found any evidence of plagiarism.

3. Critical Comments and Recommendations

I have no comments and recommendations to the candidate.

CONCLUSION

The documents and materials presented by Chief asst. Prof. Emil Doychev, PhD, fully meet the requirements, conditions, and criteria of the Law on the Development of Academic Staff in the Republic of Bulgaria (LDASRB), the Regulations for the Application of the Act for the Development of the Academic Staff in the Republic of Bulgaria (RAADASRB), and the Law on the Development of the Academic Staff (LDAS) of the University of Plovdiv "Paisii Hilendarski".

The candidate in the competition presented significant number of scientific publications published after materials used in PhD defense. The scientific and teaching qualification of Emil Doychev is unquestionable.

The results achieved by Chief asst. Prof. Emil Doychev, PhD in teaching and research fully comply with the specific requirements of the Faculty of Mathematics and Informatics accepted in relation with the Law of Law on the Development of the Academic Staff (LDAS) of the University of Plovdiv "Paisii Hilendarski".

After knowing the materials and scientific papers presented in the competition, analysis of their significance and contained in them scientific, applied scientific and applied contributions, I find it reasonable to give my **positive assessment** and to recommend to the Scientific Jury to prepare a report-proposal to the Faculty Council of the Faculty of Mathematics and Informatics for election of Chief Assistant Professor Dr. Emil Hristov Doychev to the academic position of "Associate Professor" at the University of Plovdiv "Paisii Hilendarski " by professional field 4.6. Informatics and computer science (Informatics - Software technologies).

20.10.2020 r.

Signature:

/Prof. Sylvia Ilieva, PhD/