

Attitude of Reviewer

of the scientific work submitted for participation in the competition for occupying the academic position of “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 technologies)

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In the competition for „Associate Professor“, announced in the Newspaper of State, 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, Assistant Professor Emil Hristov Doychev, PhD from the 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 technologies), announced for the needs of the Department of Computer Systems at the Faculty of Mathematics and Informatics.

To participate in the competition, documents have been submitted by only one candidate – Assistant Professor Emil Hristov Doychev, PhD, from the University of Plovdiv “Paisii Hilendarski”.

The set of materials for the competition, presented by Assistant Professor Emil Hristov Doychev, is complete and is in accordance with the Law on the Development of the Academic Staff of the University of Plovdiv „Paisii Hilendarski“.

Assistant Professor Emil Hristov Doychev graduated in 1999 as a Mathematician specializing in Computer Science at the University of Plovdiv „Paisii Hilendarski“. He obtained the educational and scientific degree “Doctor” at the Faculty of Mathematics and Informatics at the same university in 2013.

Assistant Professor Emil Hristov Doychev has been a lecturer in Informatics at the Faculty of Mathematics and Informatics at the University of Plovdiv „Paisii Hilendarski“ since 2011. He was an Assistant in the period 2011-2014 and has been a Assistant Professor since 2014. Since graduating, he has worked in various software companies in Sofia and Plovdiv.

I have known Emil Doychev as a very good student and after his graduation – as an excellent specialist in the field of informatics and as a teacher.

2. General characteristics of the candidate's activity

At the Faculty of Mathematics and Informatics, Assistant Professor Emil Hristov Doychev has taught modern lecture courses in the field of Software Engineering, Java Programming, and Software Architectures. As an Assistant Professor, he conducts lectures and seminars in Bachelor degree programs in the following academic subjects: “Software and Architecture Design”, “Software Processes”, “Design Patterns”, “Java Programming”, and “Portal Application Development”. In the Master program “Software technologies with a specialization in software architectures and tools” he teaches the following academic subjects: “Languages and environments for programming in the Internet”, “Integration of databases in a web environment”, “Programming with patterns and frameworks”, “Modern Software Engineering”, “Service-oriented architectures and-systems”, “Service-oriented architectures”, and “Practical project 1 and 2”. Assistant Professor Emil Doychev has participated in the development of three textbooks. He is the author of 9 academic courses, which are conducted in the Bachelor and Master degree programs at FMI. He participates in the state examination commissions of FMI and in the candidate student campaign of the university.

Assistant Professor Emil Hristov Doychev administrates and maintains the DeLC portal (<http://delc.fmi.uni-plovdiv.net>) and the DeLC2 portal (<https://delc2.fmi.uni-plovdiv.net/home/index>), which are used by the Department of Computer Systems to maintain electronic testing and student access to educational materials. He develops and maintains the system for authorization of employees and students at the University of Plovdiv – Focus (<https://focus.uni-plovdiv.net>), which is required for the use of various electronic services at the university.

Assistant Professor Emil Doychev has supervised more than 20 graduate students at FMI who have successfully defended their diploma theses.

One textbook, one reference book, three chapters of books, equal to publications, and 22 publications are presented for participation in the competition for the occupation of the academic position of “Associate Professor”, 7 of which are in journals that have not been used for participation in other competitions.

The main research activity of Assistant Professor Emil Doychev is in the fields of Intelligent Agent Architectures, Development of Architecture and Realization of the Virtual Educational Space (VOP), Creation of a Reference Architecture of the Virtual Physical Space (VIPS) and Application of the Reference Architecture of VIPS in various fields.

Some of the main contributions of the candidate in the field of Information Technology are the creation of architectures and models of the Virtual Space, architectures and models of the Virtual Physical Space, and the development of e-learning environments (the Distributed eLearning Center - DeLC).

Assistant Professor Emil Doychev has participated in 9 research projects. From 2001 to 2015 he took part in the international project „Software Engineering: Computer Science Education and Research Cooperation“. The project was implemented under the Stability Pact for South Eastern Europe and supported by the German Academic Exchange Service – DAAD.

The candidate has 10 participations with reports in international and national scientific forums with international participation.

The presented scientific papers cover the minimum national requirements for occupying the academic position of „Associate Professor“.

There are 14 scientific papers referenced in Scopus or Web of Science. One of the articles has an impact factor.

A total of 86 citations of the works submitted for the competition have been noticed, 9 of which are in Scopus and WoS.

I have no doubts about the personal participation and contribution of the candidate in the enclosed materials. I found no evidence of plagiarism.

3. Critical Comments and Recommendations

I have no comments and recommendations to the candidate.

CONCLUSION

The documents and materials presented by Asst. Prof. Emil Doychev, PhD, in the educational and research activities fully meet the requirements, conditions, and criteria of the Law on the Development of Academic Staff in the Republic of Bulgaria, the Regulations for the Application of the Act for the Development of the Academic Staff in the Republic of Bulgaria, and the Law on the Development of the Academic Staff of the University of Plovdiv “Paisii Hilendarski” for occupying the academic position of “Associate Professor”.

Assistant Professor Emil Doychev, PhD, is an established scientist and specialist and continues to develop himself successfully in the field of informatics and information technologies.

The results achieved by him in teaching and research fully comply with the specific requirements of the Faculty of Mathematics and Informatics.

All of the above is sufficient reason to give a **positive conclusion** for the election of Assistant Professor Emil Hristov Doychev, PhD for the academic position of Associate Professor in „Informatics – Software technologies“ of professional field „4.6 Informatics and Computer Science“, field of higher education 4. „Natural Sciences, Mathematics and Informatics“.

I recommend that the highly respectable Scientific Jury, designated for the announced competition, propose to the Honorable Faculty Council of the Faculty of Mathematics and Informatics at the University of Plovdiv „Paisii Hilendarski“ to elect Assistant Professor Emil Hristov Doychev, PhD for the academic position of „Associate Professor“.

20.10.2020 г.

Plovdiv

Signature:

/Prof. Angel Golev, PhD/