

# OPINION

by Assoc. Prof. Eugenia Kovatcheva, PhD

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of the scientific works of **Assoc. Prof. Pavel Hristov Boytchev, PhD**, presented for participation in a competition for the academic position PROFESSOR in the field of higher education 4. Natural Sciences, Mathematics and Informatics, by professional field 4.6. Informatics and Computer Science (Information Technology) announced in the State Gazette, issue 48 / 26.05.2020

Pavel Boychev is an associate professor at the Faculty of Mathematics and Informatics at Sofia University “St. Kliment Ohridski” since 2007, head of the MSc Programme in E-learning (2013-2014) and head of the Department of Information Technology since 2016.

In the last five years, Assoc. Prof. Boychev has published 6 articles in scientific journals and 7 articles in conference volumes, reflecting the research activities on various international projects as well as applied and educational activities. He has also published a monograph *Creating educational content* - the result of his 20 years of work in three main areas – design and development of the educational software, educational content, university courses.

The education is the main scientific field of Assoc. Prof. Boytchev from educational software and educational content to the development of educational courses. Each of his studies impresses with its precision and applied systematic approach. Assoc. Prof. Boytchev's ability to visualize his ideas with a sense of humor, motivate students and teachers to develop their creative skills. Assoc. Prof. Boytchev presents how the information technologies are naturally intertwined in the educational process and solving complex research tasks.

The educational concepts presented by Assoc. Prof. Boytchev are examples of the research approach in education. They show Pavel's broad scientific and humanistic view in building his scientific world, starting with Logo, constructivism and constructionism, he builds on them over the years and presents the importance of deconstructionism today. Assoc. Prof. Boytchev says “ The phase of deconstruction is as indeterminate as that of

construction. When there is a learning problem due to cognitive overload or cognitive barrier, this problem arises precisely in the phase of deconstruction. When a learner cannot connect a new concept with the concepts already known to him, he practically blocks it because he cannot decompose it. That's why deconstructionism is an important phase in learning. "

Assoc. Prof. Pavel Boytchev's artistic view of "boring" mathematics, mechanics and software testing he presents to the general public in the exhibition "Mandelbrot's Set", Film "Folding House", films "Vixit" and "Vixit - Behind the scenes". Pavel has a strong affinity for fractals, competing in fractal art competitions at FractalForums and winning first places with the picture The Infinity set and the film "Journey to the Mandelbrot Crowd", which was chosen to present "monsters" at the death of Benoit Mandelbrot.

The overall presentation of Assoc. Prof. Dr. Pavel Boytchev meets the Rules for the conditions and procedure for obtaining scientific degrees and holding academic positions at Sofia University and national requirements. In conclusion, I would like to state my positive opinion for the award of the scientific position of Professor in the professional field "4.6 Informatics and Computer Science", scientific specialty "Informatics" to Assoc. Prof. Dr. Pavel Hristov Boytchev .

Jury member:

Eugenia Kovatcheva

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