



STATEMENT OF OPINION

**For the competition in professional field
4.6. Informatics and Computer Science,
scientific specialization “Informatics (Programming and Use of
Computers)”, announced in issue 45 of the State Gazette from 17.06.2022
for the needs of the Computer and Information Technology department
of the Prof. Dr. Asen Zlatarov University, Burgas,
with Chief Assistant Dr. Deyan Georgiev Mavrov as single contestant**

1. Chief Asst. Dr. Deyan Mavrov was born on 19.09.1987 in Burgas. In 2012 he received a Master’s degree for the specialization “Business information Technology”. In 2016 he received the educational and scientific degree of “Doctor” (PhD) at the Prof. Dr. Asen Zlatarov University, Burgas with a thesis titled “Software Implementation and Applications of Index Matrices”. Prof. Evdokia Sotirova and I were his scientific supervisors. Since 2012 he has worked as assistant and chief assistant (after 2016) at the Prof. Dr. Asen Zlatarov University, Burgas.

2. According to his “Author’s Report”, Dr. Mavrov has taken part in 12 scientific works: 3 papers with an Impact Factor, 6 with SJR and 3 reports at scientific conferences. With those he completely complies with the minimal requirements of the Prof. Dr. Asen Zlatarov University, Burgas. In spite of that, he could have, in my opinion, included this monograph, which was written with his (and I emphasize – active) participation:

Atanassov, K., P. Marinov, N. Ikononov, D. Mavrov, V. Bureva, P. Vassilev, O. Roeva, V. Atanassova, H. Tsakov, A. Alexandrov. Game Method for Modelling of Forest Fires. “Prof. Marin Drinov” Publishing House of Bulgarian Academy of Sciences, Sofia, 2022,

because the two papers he has listed instead of an habilitation work do not sound very convincing – usually, a habilitation work contains at least about a hundred pages. To the author’s work the following have been added:

“A Handbook for the Laboratory Classes in Synthesis and Analysis of Algorithms” (sole work)

“A Handbook for the Laboratory Classes in Informatics” (collective work)

“Object-oriented Programming, Part I – C++” (with one co-author).

I will note that in recent years there has been a negative tendency in Bulgarian textbooks and handbooks in Informatics not to mention flowcharts – when they are an essential component in the logical skill development of the students. Both handbooks find a place for flowcharts, a decision which I compliment.

3. I accept the Author’s Report on the contributions made in the works, which Dr. Mavrov has submitted for the competition. In essence, his results are both scientific and in applied science. I will not make any detailed comments about them, because I am a co-author of 4 of them, however this gives me an opportunity to underline the candidate’s important role in their composition. They are related to areas of computer science that I work in (generalized nets, index matrices, game modeling and intercriteria

analysis) and I am pleased to remark that Dr. Mavrov has a substantial role in the program realization of the last three in the list. Going even further, he, along with Vassia Atanassova and myself was one of the authors of the first paper which proposed the concept of InterCriteria Analysis, which was included in his dissertation.

In my opinion all publications are original and were published in editions that fall into this competition's field.

4. I was surprised to see that Dr. Mavrov has submitted a list of only 95 citations, where only our aforementioned article has over 200 citations.

5. From the attached "Report on the applicant's teaching activity" it is apparent that Dr. Mavrov has taught in an impressively large number of disciplines – 16, where all are closely related to the announced competition.

6. According to the attached documents Dr. Mavrov has taken part in 1 international project, 5 national project and 3 internal university projects.

7. The quantitative indicators of the criteria for appointment to the academic position of "associate professor", as required by the Development of Academic Staff in the Republic of Bulgaria Act, its Rules for Implementation and the internal Rules of the Prof. Dr. Asen Zlatarov University, have been met. There are no indicators that are left unsatisfied.

8. I know Dr. Mavrov since the time he was a student of mine in the Burgas Free University. Ever since then my opinion is that he, even though he takes his time, is very organized and purposeful in his scientific research activities.

The above said is reason enough for me to give my positive evaluation of the materials which the candidate has submitted to participate in the competition for "associate professor" and to recommend the honorable members of the Scientific Jury, appointed by order No. ПД-294/19.09.2022 from the Rector of the Prof. Dr. Asen Zlatarov University, Burgas, and subsequently to the honored members of the Scientific Council of the Faculty of Natural Sciences at the Prof. Dr. Asen Zlatarov University, Burgas, to give their positive votes for the appointment of Chief Asst. Dr. Deyan Georgiev Mavrov to the academic position of "associate professor" in the professional field **4.6. Informatics and Computer Science, scientific specialization "Informatics (Programming and Use of Computers)".**

16. XI. 2022 г.

This opinion was prepared by:..
(Acad. Prof. Krassimir Todorov Atanassov, DSc DSc,
"Computer Systems and Technologies" department,
Prof. Dr. Asen Zlatarov University, and
"Bioinformatics and Mathematical Modeling" section
IBPhBME – BAS, Sofia)