STATEMENT

about the applications in the competition for appointment to academic position
"Professor",
in Professional field 4.6 "Informatics and Computer Science",
specialty "Software Technologies",
at Sofia University "St. Kliment Ohridsky"(SU), Faculty of Mathematics and Informatics(FMI),
where the competition is announced in State Newspaper No. 52 / 02.07.2019 as well as
on the web sites of SU and FMI

This statement is written and submitted by Professor Evgeniy Krastev, PhD at Sofia University

"St. Kliment Ohridsky" in Professional field 4.6 "Informatics and Computer Science", appointed to

the Academic jury for this competition by the Rector of SU with

Order № РД 38-525/28.08.2019.

A single candidate has submitted documents for participation in the announced competition. This is

Associate Professor Olga Ilieva Georgieva, PhD, from Sofia University "St. Kliment Ohridski ".

I. GENERAL DESCRIPTION OF THE PRESENTED MATERIALS

This section provides arguments in support for my concluding statement about the materials with

which Associate Professor Olga Georgieva participates in this competition. The individual indica-

tors on which this statement is based on are presented in points 1 to 8:

1. Details of the application

The documents submitted by the applicant comply with the requirements of the Academic Staff

Development Act in Republic of Bulgaria (ZRASRB), the Regulations Act for the Implementation

of ZRASRB (PPZRASRB) and the Regulations Act about the Terms and Conditions for Acquisition

of Academic Degrees and Occupation of Academic Positions at SU (PURPNSZADSU).

For participation in the competition, Associate Professor Olga Ilieva Georgieva has submitted a list

of 21 publications in specialized foreign scientific publications and scientific forums, incl. 2 chap-

ters of books or articles in edited volumes, 6 articles in peer-reviewed scientific journals, 13 pub-

lications in proceedings of international scientific conferences. Most of these titles (20) are refer-

enced in SCOPUS, and 8 of them are referenced in Web of Science. In connection with Art. 122(2)

of PURPNSZADSU the candidate has submitted 14 other documents in support of her achieve-

ments. These documents are structured very well and fully comply with the requirements of the

above-mentioned normative acts, their contents present correctly and in detail the achievements of

Associate Professor Olga Ilieva Georgieva.

2. Short biographical data

Associate Professor Olga Georgieva graduated from the Technical University of Sofia in 1986 as an

Engineer in major "Production Automation". In 1995 she received her PhD at the Institute of

Management and System Studies at the Bulgarian Academy of Sciences, where during 2000-2008

she held the position of Senior Research Fellow. In 2008 she was elected Associate Professor in

Informatics at the Department of Software Technologies of FMI, and from 2014 until now she is the

Head of this department. She has over 29 years of experience in the professional direction of the

competition. In her capacity as a visiting professor and through scholarships earned by her, Olga

Georgieva has carried out 10 scientific visits and specializations in renowned higher education

institutions in Germany, Belgium, Italy and Portugal. Details about these visits are provided in the

documents submitted by the candidate for the competition and according to them her application satisfies the requirements of Art. 115 (1) 1-2 of PURPNSZADSU.

3. General description of the scientific work and the professional achievements

Associate Professor Olga Georgieva meets the Minimum National Requirements (MNI) under Art. 2b(2 -3) of ZRASRB and the additional requirements of SU for earning the position of a full Professor. According to the information provided by the Reference document summarizing the MNI and Annexes 1-7 to this document, it is apparent that her professional achievements exceed the MNI requirements. There is enough evidence for the fulfillment of these requirements respectively for group A-50 points, group B-222 points, group D-426 points, group D-1888 points, group E- 270 points. An inquiry made by me in the National Register for Academic Positions and Dissertations (NACID), as well as the Declaration of the candidate in relation to the requirements of Art. 115 (1), item 5 of PURPNSZADSU, certify that the scientific works presented by her do not repeat those of the previous procedures for acquiring a scientific title or an academic position. I have not found evidence for plagiarism established in accordance to the law in the scientific works presented by the candidate.

4. Description and evaluation of lecturing activities

The Reference document submitted by the candidate in relation to the requirements of Art. 122(2) provides evidence about the lecturing activities of Assoc. Prof. Georgieva in the field of Software Technologies. She is a lecturer in 2 required and 2 elective courses, for which she has prepared teaching content for the lectures and the exercises. Supplementary teaching materials for these courses are published in electronic format. She has delivered 4 courses in English as part of the execution of FMI projects related to international academic exchange. She has provided scientific guidance to graduates (10) and students (1) successfully defended PhD with whom she has numerous joint publications and participations in project activities. These facts allow me to conclude that the lecturing activities of Assoc. Prof. Georgieva are carried out at a high professional level, whereby she successfully combines standard teaching methods with modern forms of e-learning.

5. Meaningful analysis if the scientific and applied contributions

Associate Professor Olga Georgieva is the author of over 80 publications, presented as book chapters (4), articles in scientific journals (27), and conference proceedings (49). With few exceptions, these are publications in English by renowned publishers and reports delivered at specialized international scientific forums, where Assoc. Professor Georgieva is the sole author or has leading participation. The original scientific contributions in the publications submitted for participation in this competition are correctly described in Reference document No. 14 prepared by her. She has developed new innovative approaches for identifying real-time data structures, for non-iterative data clustering, for selecting a software service in a comparative analysis of its quality assessment, for recognizing human conditions by analyzing data from brain activity. Associate Professor Georgieva also has significant scientific and applied contributions to the developed of models for recognizing the style of educational game, for determining the values of electric energy consumption of an electric furnace and others. There is evidence for her participation as a leader and member in several international and national scientific and research projects (10). Her scientific and applied achievements are recognized in the existing literature by an impressive number of citations in publications indexed by SCOPUS and Web of Science (236 in total). Such are, for example, her pub-

lications for participation in the competition with numbers B3, B5, B6, B8 that are of high impact factor.

6. Critical remarks and recommendations

I do not find any deficiencies in the structuring of content, in the accuracy and the completeness of description from a professional point of view, as well as in the presentation of the submitted documents for participation in the competition. I recommend Associate Professor Olga Georgieva to continue her teaching and research activities in the field of Software Technologies with the inherent knowledge and perseverance in her work as an academic lecturer. I find it appropriate to recommend her to dedicate more time and effort in preparing printed editions of textbooks and supplements in the field of Software Technologies.

7. Personal impression about the candidate

I know Associate Professor Olga Georgieva as a colleague at FMI in the last 10 years. In my opinion, she has excellent professional and teaching training abilities in the field of Software Technologies, that are is combined with personal qualities such as diligence, persistence and dedication at work. She has organizational skills and enjoys the confidence of his colleagues at FMI and especially of those in the Department of Software Technology, where he serves as the Head of the department. She has achieved considerable scientific results and has the potential to develop further on her research and teaching skills at FMI.

8. Conclusion

Having become acquainted with the materials and scientific works presented in the competition and on the basis of the analysis of their importance and the scientific and applied contributions contained therein, I confirm that the scientific achievements of the candidate meet the requirements of ZRASRB, PPZRASRB and PURPNSZADSU for acquiring the academic position of " Professor" in the scientific and professional field of the competition. In conclusion, the applicant satisfies the MNI in the professional field and no plagiarism has been detected in the scientific papers submitted for the competition.

I hereby state my **positive assessment** to the application of Assistant Professor Olga Georgieva.

II GENERAL CONCLUSION

On the basis of the above arguments, I **strongly recommend** the Scientific Jury propose to the Competent Authority of the Faculty of Mathematics and Informatics for the election at Sofia University "St. Kliment Ohridski " to **elect Olga Ilieva Georgieva to the academic position "Professor"** in Professional field 4.6 "Informatics and Computer Science"
(Software Technologies).

October 27th, 2019   Statement prepared by:

                                                            (Professor Evgeniy Hristov Krastev, PhD)