

Attitude of Reviewer

for associate professor Genady Agre
in the competition for academic position "Professor"
in the professional field 4.6 "Informatics and and computer science"
scientific specialty " Informatics (Artificial intelligence)"

Reviewer: Prof. Stefka Fidanova

By Order No. 176 dated 09.07.2019 of the Director of Institute of Information and Communication Technologies at Bulgarian Academy of Sciences, Prof. Galia Angelova, pursuant to Art. 4, para. 2 of the Law on the Development of Academic Staff in the Republic of Bulgaria (LDASRB) and decision of the Scientific Council of ICT-BAS (Minutes No. 7 of 10.07.2019) I have been appointed a member of the scientific jury under the procedure for the academic position of "Professor" in the professional field 4.6 "Informatics and and computer science" scientific specialty " Informatics (Artificial intelligence)", announced for the "Linguistic Modeling and Knowledge Processing" department, of State Gazette issue 41 of 21.05.2019. As a member of the jury on 29.07.2019 I have received all the documents, attached to the application to the Director of ICT-BAS of the only candidate for the competition Assoc. Prof. Genady Agre.

According to Law on the Development of Academic Staff in the Republic of Bulgaria, the rules for its implementation and the specific requirements introduced in the regulations of ICT-BAS, applicants must meet the following requirements:

1. Have acquired a doctorate degree in education and science;
2. Have held the academic position of "Assistant Professor" at the same or another higher education institution or scientific organization for at least two academic years;
3. Have submitted published monographs or equivalent publications in specialized scientific editions which do not repeat the ones submitted for the degree of PhD, the Doctor of Sciences and the academic position of Associate Professor;
4. Have submitted other original research papers, publications, inventions and other scientific and applied research works which are evaluated in aggregate;
5. Meet the national minimum requirements;

6. Not to have the lawful plagiarism proven in scientific works.

Associate Professor Genady Agre holds a dissertation for educational and scientific degree "Doctor" (HAC to the Council of Ministers, diploma № 22420 / 04.09.1992, commission 6, protocol № 8 of 29.06.1992).

Associate Genady Agre has 41 years of total work experience, of which 21 years as associate professor.

For Group B requirements, Genady Agre submitted 6 publications, 4 of them with Impact Ranks and 2 are in the World Indexing and Referencing System, without Impact Factor or Impact Rank. The total score was 104 at the required 100.

For Group Г indicators, a total of 24 publications are presented, 1 of them are Impact Factor, 17 are Impact Ranks, 4 are in the World Indexing and Referencing System, without Impact Factor or Impact Rank and 2 book chapters. The total number of points is 458 for the required 260.

Associate Professor Genady Agre submitted 332 citations after acquiring the academic position of Associate Professor, visible in SCOPUS. The total number of points is 1992 for the required 140 under indicator Д.

Associate Professor Genady Agre has published one text book and was the leader of the Bulgarian team of 3 international projects. He was a member of the scientific team of 5 international projects, leader of 2 national projects funded by the Research Fund, participant in 2 and head of the ICT team of the national scientific program "Information and Communication Technologies for the Digital Single Market in Science, Education and security". The total number of points is 343 for the required 150 under indicator E.

Associate Professor Genady Agre fulfills the requirements and by some indicators significantly exceeds the national requirements, as well as the specific requirements of BAS and IICT for the academic position of "professor".

The main contributions to his research can be summarized as follows:

1. Development of the conceptual architecture of the integrated INFRAWEBs environment for semantic engineering of Internet services. Development and implementation of an original, data-driven approach for dynamically composing WSMO-based semantic Internet services. Development and implementation of INFRAWEBs Designer - an graphically ontology-based integrated environment for constructing descriptions of WSMO-based SEIs.
2. Development and implementation of a semantic technology based environment for the development of TPO applications in the humanities. Development and implementation of an original approach for the use of heterogeneous digital libraries. A system of classification indicators has been developed to assess the degree of gamification in existing TPO

- applications.
3. Development of a new feature selection method that is appropriate for memorization-based classification methods. Development of a new approach to solving the all-wards sense disambiguation task and implementing it as a flexible WSD Studio software system. Development and submission to the client of the expert-consulting system for healthy and dietary nutrition.

I have known the candidate for the competition for almost 10 years. I am fully convinced of his qualities as a researcher and a good organizer, which are the basis for further development in science.

CONCLUSION

According to the presented documents, the candidate Assoc. Prof. Genady Agre fulfills all the requirements of the LDASRB, of its Rules of Procedure and of the Rules on the Specific Requirements for Acquisition of Academic Degrees and Occupation of Academic Positions of BAS and IICT-BAS. I give a positive conclusion for the selection of Associate Professor Genady Agre in the competition for the academic position of "Professor" in the professional field 4.6 "Informatics and and computer science" scientific specialty " Informatics (Artificial intelligence)".

I propose that the Scientific Jury unanimously vote on a proposal to the Scientific Council of the Institute of Information and Communication Technologies of the Bulgarian Academy of Sciences to select Assoc. Prof. Genady Agre for the academic position of "Professor" in the professional field 4.6 "Informatics and and computer science" scientific specialty " Informatics (Artificial intelligence)".

28.08.2019

