



STATEMENT

of Acad. János Demetrovics, MTA SZTAKI, Computer and Automation Research
Institute, Hungarian Academy of Sciences, member of the scientific jury

About the position: Professor in Higher Education

in domain 4. Science, Mathematics and Informatics;

Professional Area: 4.6 Informatics and Computer Science, Research specialty: 01.01.12

- Informatics (Mathematical linguistics and knowledge processing in digital libraries and
e-learning),

announced in Official Gazette 39/20.05.2011 for the needs of the Institute of
Mathematics and Informatics, Bulgarian Academy of Sciences (IMI-BAS)

Candidates: Associate Professor Dr. Deco Videv Dekov and Associate Professor Dr.
Radoslav Dimov Pavlov

This review was written and presented on the basis of the Scientific Council of IMI-BAS
and the order 200/07.07.2011 of the Director IMI-BAS and the decision of the Scientific
Jury meeting (Minutes of 25.07.2011). It is based on the Regulations for the
development of the academic staff of the IMI-BAS and BAS.

1. Review of the materials presented by Associate Professor Dr. Deco Videv Dekov

Dr. Dekov graduated the Technical University - Sofia. In 1985 he defended PhD degree. In 1997
he won a competition for Associate professor in the University of Veliko Tarnovo and in 2002 a
competition for Associate professor in the Thracian University in Stara Zagora. He has read
lectures in mathematics and informatics. He received two awards from the Union of Scientists -
Stara Zagora Branch.



He presented 119 articles, an e-book and eight computer programs. All publications are independent. It is presented information about the impact factors: 13 publications with a total impact factor 6.354, there are presented 12 citations.

All publications provide important results in algebra, but they are not correspond to the scientific specialty 01.01.12 - Informatics (mathematical linguistics and knowledge processing in digital libraries and e-learning), in which the competition has been announced. Therefore, the submitted articles are not reviewed.

I believe that presented by Dr. Deco Videv Dekov materials do not conform to the required level of regulations, especially the thematic focus of the context as announced in the Official Gazette and therefore do not qualify him for the position.

2. Review of the materials presented by Associate Professor Dr. Radoslav Dimov Pavlov

Dr. Radoslav Pavlov is a graduate from Moscow State University: Master in Mathematics in 1970. In 1977 he defended a doctoral thesis at Moscow State University. From 1972 -1979 he is a Research Fellow and from 1979 Senior Fellow, Associate Professor at the Institute of Mathematics and Informatics, BAS. Since 1979 he is the Head of Department of Mathematics Linguistics. Since 2007 he is Deputy Director of IMI.

Basic research, applied research and educational input of Dr. Radoslav Pavlov is significant contribution to the field of mathematical linguistics and knowledge processing in digital libraries and e-learning and can be grouped into the following areas: Models and systems for test evaluation by personal computers; Mathematical linguistics - grammar formalisms and multilingual databases; E-commerce – auction models; E-Learning and Digital libraries and knowledge processing. Three textbooks are also presented.

The full list of publications contains 112 articles and 5 books. He participates with 35 items among them – 31 scientific papers, 1 monographic study and 3 textbooks.

He presents a development in the semantic description of the national cultural heritage. He developed several ontologies, developed the first time the knowledge specifics to the complex and heterogeneous multilayer structure of Bulgarian cultural and scientific heritage. Formalization is achieved by means of the Semantic Web. He presents new challenges and the benefits of the Internet, interactive TV and mobile devices for innovative teaching practices and new functional solutions for ubiquitous access to global scientific repositories.

There are 52 citations of publications of Dr. Radoslav Pavlov. He has read and developed lectures in several Bulgarian universities. He is world recognized scientist and was and is Bulgarian representative of several EU projects.

I know the candidate and his work. My impressions of the candidate's work are excellent. We have common textbook which is the most use textbook in Hungary in the field of discrete mathematics.

Giving a positive assessment of all materials presented by Associate Professor Dr. Radoslav Dimov Pavlov I believe that he fully meets all the requirements and conditions for appointment to academic positions professor at IMI-BAS, and for these reasons, I ranked him at the first place.

Acad. Prof. DSc János Demetrovics, MTA SZTAKI, Computer and Automation Research Institute, Hungarian Academy of Sciences

Budapest, 01.09.2011