



EVALUATION STATEMENT

Assoc. prof. ds. Stanislav Denchev Simeonov

Member of scientific jury on a competition for the occupancy of an academic position "Associate professor" in the field of higher education 5 Technical sciences, professional direction 5.3 "Communication and computer science", scientific specialty (Computer vision), announced by University "prof. d-r. Asen Zlatarov" – Burgas (State Gazette, issue 5 date 17.01.2020) to the department of "Computer systems and technologies"

The only one candidate in the competition is chief assistant Todor Pavlov Kostadinov, PhD. The candidate meets the minimal national requirements to the scientific and teaching activity of scientific fields and professional directions to occupy an academic position "Associate professor", according to the indicators of article 26 paragraphs 2 and 3 of the Law of growth of the academic staff in Republic of Bulgaria and the requirements on article 73, on the Regulation of the conditions and order of acquisition of scientific degrees and occupancy of an academic positions in University "prof. dr. Asen Zlatarov" – Burgas.

The candidate takes participation in the competition with a total of 35 works excluding the ones presented for the acquisition of educational degree "Doctor", as follows:

- 1 pc. of Monography,
- 2 pcs. of Educational materials;
- 14 pcs. of scientific publications in issues, referred and indexed in worldwide bases – Scopus;
- 18 pcs. of scientific publications, printed in journals and magazines with scientific review.

The scientific publications are placed in specialized journals, periodical academic issues and collective issues of scientific papers of international university conferences held in the country and abroad. The accomplishment of the basic indicators according to the Unified national requirements, in compliance with the Regulation of the conditions of occupancy of an academic positions in University "prof. dr. Asen Zlatarov", Appendix No 1 defining the requirements of academic position "Associate professor" on a field 5 Technical sciences are arranged in a table.

Group of indicators	Minimal number of pints	Candidate points	Points on main group indicators
A	50	50	Diploma 000376/09.01.-14
V	100	304	100 pts. monography and publications
			204 pts. – publications
G	300	328	Scientific publications
D	100	260	Sample of selected citations by Scopus
E	100	110	
Total:	600	1052	

I find legitimate, reasonable and confirmed several groups of contributions in a variety of fields, by the scientific works (papers and articles) along with the presented scientific projects that the candidate used to participate in the competition for “Associate professor”.

The contributions are mainly of applied science type and can be assembled in the following way:

A. Applied science

- Kinematical models of systems with diverse topology have been created. That way it is possible to perform universal theoretical experiments [2.1, 2.2];
- A large number of signals have been modelled. That kind of approach allows to study the resolution capabilities of the signals modelled [2.6 - 2.8];
- The aperture synthesis principles (direct and inverse) to obtain computer images have been explored [2.5, 3.12];
- Image extraction and reconstruction methods have been investigated [2.9, 3.12, 3.13].3.12, 3.13];
- Decision making approaches analysis [3.5]. Establishment of methodology for assessment of the intercriteria estimation accuracy [3.9];
- Create an approach for improvement of the assessment approach functionality [3.14].

B. Application

- A study of the properties and principles of complex monitoring system [3.16];
- An assessment of the modes and working conditions of the aforementioned system has been performed [3.17];
- A conceptual design including complete system solution of the monitoring system has been carried out [3.4, 3.10];
- Design, analysis and implementation of specialized sensors [2.11];
- Selection, preparation and assembly of the hardware architecture, programming implementation of the system, debugging and optimization [3.11];
- Modelling of digital devices equipment using the generalized nets approaches [2.13];
- Formal description of the function of embedded and computer systems [2.14];
- Implementation of algorithms over meteorological data [3.15];
- Using the approaches to improve the positioning system accuracy [3.17];
- Application of the methods for intercriteria analysis in objects recognition [3.8].

I evaluate the candidate contribution positively and corresponding to the regulation requirements.

The candidate developed learning programs and held lecture courses in four subjects. A supervisor and reviewer of successfully graduated students.

I personally know chief assistant Todor Kostadinov, PhD and I have some impression of his qualities. My impressions of the candidate in the competition of "Associate professor" are definitely positive as he is thorough and precise researcher, competent and responsible organizer and lecturer with proven abilities. He possesses skills for team work, forms creative environment while passing the knowledge. All of this is a prerequisite for his future work.

Based on the facts exposed, I reckon that in terms of volume and quality, the scientific research and applicable science work of the candidate meets the regulations on application of the law of growth of the academic staff in Republic of Bulgaria and the regulation of the specific conditions for the acquisition of scientific degrees and occupancy of an academic positions in Republic of Bulgaria. The quantitative indicators of the regulations of University "prof. dr. Asen Zlatarov" - Burgas for the occupancy of an academic position "Associate professor" have been fulfilled.

That gives me basis to confidently propose to the honorable members of the Scientific jury to vote unanimously to award chief assistant Todor Pavlov Kostadinov, PhD the academic position "Associate professor" in field of higher education 5 Technical sciences, professional direction 5.3 "Communication and computer science", scientific specialty (Computer vision).

11.08.2020

Burgas

Signature: _____

/assoc. prof. ds. Stanislav Simeonov/