

S T A T E M E N T

From Prof. Eng. Emiliya Andonova Dimitrova, PhD

Todor Kableshkov Higher School of Transport

**in the competition for the academic position of ASSOCIATE PROFESSOR,
in the field of higher education 5. Technical Sciences,
professional field 5.3. "Communication and Computer Engineering",
Scientific specialty "Internet Communications"**

The "associate professor" competition is announced in the State Gazette No. 26/21.03.2023 and on the website of the University of Telecommunications and Posts for the needs of the department "Telecommunication", faculty "Telecommunications and Management", at the University of Telecommunications and Posts with a candidate: assistant professor Ivaylo Simeonov Chenchev, Ph.D., Eng.

1. Brief biographical information

Dr. Eng. Ivaylo Chenchev acquired the educational and qualification degree "master" with the professional capability of an engineer in computer systems at the Technical University-Sofia in 1999. Receives educational and science degree "doctor" in professional direction 5.3 "Communication and computer engineering" in the scientific specialty "Automated systems for information processing and management" on the topic "Information processing and protection in decentralized networks" at Technical University-Sofia in 2021.

2. Description of the presented materials

Dr. Eng. Ivaylo Chenchev participates in the competition for an associate professor with one monographic work "Protection and processing of information in blockchain networks" (123 pages), and ten scientific publications, 3 of which are co-authored and seven independent, published as follows:

- 1 publication: Computer Conference 2021, London, UK, публикувано в Springer Nature Switzerland AG 2021, Intelligent Computing, LNNS 285

- 1 publication: 11th annual International Conference on Education and New Learning Technologies (EDULEARN19 Conference), Palma de Mallorca (Spain)
- 1 publication: INTED2020, IATED Academy, 2020
- 2 publications: Intelligent Sustainable Systems. Lecture Notes in Networks and Systems, vol 579. Springer, Singapore
- 1 publication: Advances in Information and Communication. FICC 2023. Lecture Notes in Networks and Systems, vol 651. Springer
- 1 publication: Advances in Information and Communication. FICC 2023. Lecture Notes in Networks and Systems, vol 652. Springer
- 1 publication: Journal "CAx technologies", issue 6, December 2018
- 2 publications: Seventh International Scientific Conference "Telecommunications, Informatics, Energy and Management", TIEM 2022

Assistant professor Ivaylo Chenchev, Ph.D., Eng. has fulfilled the criteria for the minimum scientometric indicators necessary for holding the academic position "associate professor", as shown in the table:

Group of indicators	Content	Min. required points for Assoc. Prof.	I. Chenchev
A	Indicator 1	50	50
B	Indicator 2	-	-
B	Indicators 3 and 4	100	100
Г	The sum of Indicators 7 and 8	200	260
Д	The sum of Indicators 12, 13 and 14	50	144
E	The sum of Indicators from 16 to the end	0	-
TOTAL		400	554

3. Reflection of the candidate's scientific publications in the literature

In the detailed report on the national requirements, 19 (nineteen) citations are presented (indicator D.12 – 13 items; indicator D.13 – 2 items; indicator D.14 – 4 items) by Bulgarian and international scientists, which fulfills the minimum requirements for scientometric indicators according to criterion D for occupying the academic position "associate professor".

4. General characteristics of the applicant's activity

It is noteworthy that the candidate has extensive teaching activities. He led lectures and exercises at Technical University-Sofia, Faculty of Mathematics and Informatics at Sofia University, and at the University of Telecommunications and Posts in the following disciplines:

- Validation and verification of program systems - exercises, TU-Sofia;
- Application-program interfaces for working with cloud architectures with Amazon Web Services (AWS) - exercises, FMI at Sofia University;
- Operating Systems (Linux) - exercises, FMI at Sofia University;
- Data Bases (MySQL) - exercises, UTP
- Programming Fundamentals (Python) - lessons, UTP;
- Blockchain Technology - lessons and exercises, UTP;
- Servers Administration Practicum - hands-on exercises, UTP;
- Security in Cloud Infrastructures - lessons and exercises, UTP.

The development in the scientific and scientific-applied activity of the candidate in the competition is in a positive direction - he participated in three university projects - one at TU-Sofia, one at FMI at Sofia University, and one at VUTP.

I accept the reference for scientific-applied and applied contributions in the scientific activity of Dr. Eng. Ivaylo Chenchev.

The list of all the applicant's publications shows a 172-page textbook "Programming Fundamentals (Python Lectures and Exercises)", which is not included in the current competition because it falls under the Group E indicators, which are not required in the "Associate Professor" competition. Still, it is indicative of the development of the teaching activity of Dr. Eng. Ivaylo Chenchev.

5. Personal impressions and critical notes

I do not personally know the candidate in the current competition. However, I can make the following recommendations aimed at the candidate's future work:

- To develop and concentrate his educational and pedagogical activity on the development of textbooks and study materials for students;
- To continue his active research activity.

6. Conclusion

The candidacy of Assistant Professor Ivaylo Chenchev, Ph.D., Eng. fully meets the minimum national requirements provided for in Art. 53, para. 2 and 3 of ZRASRB, and there is a sufficient number of points required by PPZRASRB for occupying the academic position "associate professor".

Based on my analysis and assessment of the contributions of Ivaylo Chenchev, Ph.D., and the importance of the scientific publications presented in the competition, I believe that Ivaylo Chenchev, Ph.D., can occupy the academic position "associate professor" by professional direction 5.3. "Communication and computer engineering", scientific specialty "Internet communications".

I propose to the honorable scientific jury that the candidate for the current competition - Assistant Prof. Ivaylo Simeonov Chenchev, Ph.D., Eng., be elected as an "associate professor" in area 5. of the higher education "Technical Sciences", professional field 5.3. "Communication and computer engineering", scientific specialty "Internet communications".

19.06.2023

Sofia

Member of the scientific jury:

GDPR

/ Prof. Emiliya Dimitrova, Ph.D., Eng. /