

# OPINION

by Prof. Dr. Eng. Rusko Valkov

of the materials submitted for participation in the competition for the academic position "Associate Professor" in professional field 5.7 Architecture, Civil Engineering and Geodesy, scientific specialty "Building Structures (Reinforced concrete structures)"

## I. General part

The current opinion is prepared in accordance with the requirements of the Law for development of the academic staff in the Republic of Bulgaria, Regulations for application of the Law for development of the academic staff in the Republic of Bulgaria, Regulations for development of the academic staff of VSU "Lyuben Karavelov" and on the basis of decision of a scientific jury, determined by order № 120 / 12.03.2021 of the Rector of VSU "Lyuben Karavelov" in connection with the announced competition for the academic position "Associate Professor" in the State newspaper issue 15 / 19.02.2021 and website of VSU "Lyuben Karavelov ". The competition participates the only candidate, Chief Assistant Dr. Eng. Stanislav Tsvetkov.

## II. Biographical information for the candidate

Chief Assistant Dr. Eng. Stanislav Tsvetkov was born on September 12, 1984. In 2003 he graduated from the Technical Vocational High School "N.Y. Vaptsarov" - Radomir, specialty "Production Automation", in 2009 VSU "Lyuben Karavelov", bachelor's degree in "Construction of buildings and facilities", and in 2011 Master's degree in the same specialty, with specialization "Building Structures". From 2013 to 2016 he was a PhD student in the Department of Building Structures at VSU "Lyuben Karavelov" in the professional field 5.7 Architecture, Civil Engineering and Geodesy. In 2018, defends a dissertation on "Antiseismic provision of special reinforced concrete structures" for obtaining an educational and scientific degree "doctor".

## III. Teaching activity

Chief Assistant Dr. Eng. Stanislav Tsvetkov is an "assistant" from 2010 to 2014 (full-time assistant) and from 2014 to 2019 part-time assistant, and from 2019 until now "chief assistant" in the Department "Building Structures" at VSU "Lyuben Karavelov". He has conducted classes in the following disciplines: Reinforced concrete, Reinforced concrete structures, Special reinforced concrete structures, Steel structures, Wooden structures, etc .. He is a co-author of 5 methodological guides for course design in Reinforced concrete structures

and 3 design guides for Special reinforced concrete structures, in accordance with Eurocodes. Under his leadership, 154 diploma projects of buildings and facilities were developed and defended.

Among his students and colleagues, Chief Assistant Tsvetkov enjoys authority. The large number shown of successfully defended diplom theses shows good theoretical and practical training and quality of an organized and responsive lecturer.

#### IV. Fulfillment of the criteria for holding the academic position "Associate Professor"

Chief Assistant Dr. Eng. Stanislav Tsvetkov participates in the competition for the academic position of "Associate Professor" with a defense dissertation on "Antiseismic provision of special reinforced concrete structures" for educational and scientific degree "Doctor" (indicator A) , with main habilitation work - monograph "Reinforced concrete structural shear walls - antiseismic "discs" - 398 pages (by indicator C) and monograph on indicator D5 ("Constructors for civil engineers - the prefabricated one-storey buildings of reinforced concrete elements") .

According to indicator G7, the candidate included 1 scientific publication in editions, which are referenced and indexed in world-famous databases with scientific information. According to indicator G8, the candidate participates with 24 scientific publications in unrefereed journals with scientific evaluation or edited collective volumes. It gives the impression the large number of individual publications of the candidate: 8 out of 24, as well as 17 in a co-authored. The main part of the publications are of international scientific conferences.

According to indicator D of the candidate, 8 citations in publications are known, which are referenced and indexed in world-famous data with scientific information and 45 citations in non-refereed journals with scientific reviewing or edited collective volumes.

Chief Assistant Tsvetkov has participated in 4 research projects, of which they are published a monograph and textbook on sites for modern industrial enterprises and agricultural buildings - with mixed participation on architect and civil engineer - constructor.

#### V. Personal impressions

I have no personal impressions of Chief Assistant Tsvetkov, but from long-term contacts with his colleagues from VSU "Lyuben Karavelov" I have learned that he is a respected colleague and teacher.

## Conclusion

Based on the acquaintance with the teaching, scientific and scientifically applied activity of the candidate and from the presented reference for the scientific and scientifically applied contributions can be accepted, that they the requirements of the Law for development of the academic staff in Bulgaria, the Regulations for application of the Law for development of the academic staff in the Republic of Bulgaria, Regulations for the development of the academic staff of VSU "Lyuben Karavelov".

All this this gives me reason to propose to the esteemed Scientific Jury in the competition for the awarding of the academic position of "Associate Professor" of Chief Assistant Dr. Eng. Stanislav Tsvetkov in professional field 5.7 Architecture, Civil Engineering and Geodesy, scientific specialty "Building Structures (Reinforced concrete structures) “.

Sofia

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Prepared by: .....

/ Prof. Dr. Eng. R Valkov /