

## OPINION

by competition for the academic position of "associate professor" in the field of higher education 4. Natural Sciences, Mathematics and Informatics, professional field: 4.6 Informatics and Computer Sciences, scientific specialty: "Informatics" (Digital Cultural Content Management Systems and E-Learning), announced in the State Gazette 103/02.12.2025, with candidate: Chief Assistant Professor Dr. Maksim Krasimirov Goinov

Jury member: Prof. Dr. Roumen Ivanov Trifonov  
Department of "Intelligent Technologies in Industry" at the Faculty "Computer Systems and Technologies" at TU-Sofia

### **1. General characteristics of the candidate's research and applied scientific activities**

The candidate, Senior Assistant Professor, Dr. Maxim Goinov, graduated from Sofia University "St. Kliment Ohridski" in the field of informatics, e-business and e-governance, and his doctoral studies are dedicated to the Interoperability between digital libraries for cultural heritage. He has extensive experience in analysis, design, development and integration of software solutions. His main scientific interests are focused on digital cultural content management systems and technologies for the development of digital paleography (total 17 publications), e-learning systems (total 5 publications).

According to the submitted documents for fulfilling the minimum national requirements, the candidate not only meets, but significantly exceeds the legally defined minimum indicators for occupying the academic position of "associate professor". With a total of 4 6 0 points required, the candidate presents 638 points.

By group of indicators A: Dissertation for awarding the ONS "Doctor" has presented a diploma for awarding the educational and scientific degree "Doctor" in Informatics from the Institute of Mathematics and Informatics at the Bulgarian Academy of Sciences.

In group B (publications equivalent to habilitation thesis), with a required 100 points, 5 scientific publications were presented, carrying 110 points, 1 of which was with Q 3 and 4 were with SJR .

Group D presents 15 scientific publications in journals that are referenced and indexed in world-renowned databases with scientific information outside the habilitation thesis and 2 published chapters in books or collective monographs. With a minimum requirement of 220 points, the candidate has provided 296.

The presented publications are related to the implementation of digital cultural content management systems and digital educational products implemented in Bulgaria.

In group D - Citations of scientific publications, monographs, collective volumes

and patents, referenced and indexed in world-renowned databases with scientific information - out of the required 50 points, 132 points were recorded, which testifies to the real scientific recognition of the results in the international scientific community.

In group E, the candidate indicated participation in 5 national scientific or educational projects, which brings him 50 points out of the required 20 points.

Based on the above, it can be concluded that the candidate exceeds the minimum national requirements in all main groups of indicators, demonstrating stable scientific development. The presented results fully meet the profile of the announced competition and testify to scientific maturity and establishment in the professional field.

## **2. Basic scientific and scientific and applied contributions**

I accept the submitted publications that contain scientific, scientific-applied contributions of sufficient volume and significance, which can be divided into two main thematic areas.

The first direction is related to the development of methods, models and architectures for managing digital cultural content. In this context, original solutions for the construction and development of digital libraries and cultural ecosystems have been proposed, including approaches for structuring, semantic description and integration of heterogeneous cultural resources. A significant contribution is made by research in the field of digital paleography, aimed at applying modern technologies for the analysis, processing and presentation of historical texts.

The second direction covers research in the field of e-learning. Models, methods and software solutions for the creation and management of electronic learning environments have been developed. Particular emphasis is placed on the use of serious educational games as an innovative tool for increasing the effectiveness of learning, as well as on the integration of modern digital technologies into the educational process.

The developed models and solutions have been tested and implemented within the framework of national and international research projects, which confirms their practical significance and applicability.

In summary, the author's contributions are expressed in the creation of innovative approaches and systems for managing digital cultural heritage and in the development of modern e-learning solutions that combine scientific novelty with practical applicability.

## **3. Significance on the offerings for science and the practice**

I believe that the contributions provided by Senior Assistant Professor Dr. Maxim Goinov have proven scientific value, real practical applicability and international

visibility. They build on existing knowledge in the field and contribute to the development of modern intelligent solutions corresponding to the profile of the scientific specialty.

#### **4. Critical notes and recommendations**

After reviewing the presented scientific works, I do not identify any fundamental weaknesses or significant scientific omissions. The publications are thematically related, methodologically sound and logically consistent, clearly outlining an independently developed scientific line.

As a recommendation for the future development of the candidate's scientific activity, I would point out the possibility of even more active publication in publications with a high impact factor and in journals with a higher SJR rank, which would increase the international visibility and citation of the results.

### **CONCLUSION**

After reviewing the scientific papers submitted for the competition, their thematic focus, scientific and practical significance, as well as the scientific, scientific and applied contributions contained in them, I give a positive assessment of the candidate's scientific and research activities, which gives me the reason to propose to the Chief Asst. Prof. Dr. Eng. Maxim Krasimirov Goinov to be appointed to a academic position of "associate professor" in the professional field 4.6 Informatics and Computer Sciences, scientific specialty: "Informatics" (Digital Cultural Content Management Systems and E-Learning).

**Date: 26/03/2026**

**MEMBER OF THE JURY:**

(Prof. Dr. Roumen Trifonov)