
ACADEMY OF NATIONAL AND INFORMATION SECURITY

R E V I E W

by Prof. Dr. Plamen Nikolov Bogdanov

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for the scientific works of Assoc. Prof. Peter Lošonczi, PhD, submitted for participation in a competition for the academic position of “PROFESSOR” in the field of higher education 9. “Security and Defense”, professional field 9.1. “National Security” (Institutional Security and Prevention of Organized Crime), announced in the State Gazette, No. 49 of 17 June 2025

1. General characteristics of the candidate's works

B In the competition for the academic position of “Professor” Assoc. Prof. Peter Lošonczi, PhD, has submitted 15 scientific papers for review. They are distributed as follows:

- two monographs – independent, issued in Slovak and English;
- 8 articles – co-authored, in English, published in scientific journals, refereed and indexed in world-renowned databases of scientific information;
- 2 articles – independent, issued in Slovak, published in non-refereed peer-reviewed journals or published in edited collective volumes;
- 3 published chapters of collective monographs – in Slovak.

Submitted scientific papers are accepted for review.

The assessment of the accessibility of the presented scientific production shows that it is sufficiently well presented to specialists working in the field of various aspects of security and all conditions are provided for familiarization with its content and giving a critical assessment.

The candidate has declared 7 citations of his works in scientific publications, referenced and indexed in world-renowned databases with scientific information or in monographs and collective volumes.

The candidate's fulfillment of the Minimum National Requirements for holding the academic position of “Professor” in Professional Field 9.1. “National Security” is shown in the following table.

A group of metrics	Content	Number of points required to hold the academic position of “Professor”	Number of points of the candidate Peter Lošonczy
A	Indicator 1	50	50
-	Indicator 2	-	-
B	Indicator 3	100	100
C	Sum of indicators 4 to 10	200	207,8
D	Sum of indicators 11 to 13	100	105
E	Sum of indicators from 14 to the end	100	235
Total points		550	697,8

As can be seen from the table the number of works accepted for review and the citations indicated by the candidate meet the minimum national requirements under Article 2b of the Act on the Development of the Academic Staff in the Republic of Bulgaria (ADASRB) for holding the academic position of “Professor” in area 9. “Security and Defense”, professional field 9.1. “National Security” and item III. “Requirements for occupying the academic position “Professor” at the ANIS” from Appendix No. 1 of the Regulations of the Academy of National and Information Security (ANIS) for the implementation of the ADASRB.

The majority of the 15 publications accepted for review are co-authored – 8, and 7 being the candidate's own work. The proposed works correspond to the subject area of the announced competition.

2. General characteristics of the candidate's research and applied scientific activities

The scientific and research activities of Assoc. Prof. Peter Lošonczy, PhD, are mainly related to the various aspects of state and corporate security and corresponds to the announced competition for the academic position of “Professor”.

The monographic work „Selected risk aspects of performing the profession of a paramedic affecting its safety“ (2021), which the author presents as a habilitation, is a serious study of the problems associated with the identification and assessment of specific safety risks that are part of the actual performance of the paramedic profession. The lack of full identification, assessment and effective reduction of these risks in practice leads to their development as threats that reduce the effectiveness of the intervention of paramedics operating in various components of the Integrated Rescue System. The aim of the research is to implement an interdisciplinary transfer of knowledge from the research field ”Protection of People and Property” to the research field “Rescue Services” within the framework of a new joint research field “Safety Sciences”.

The profession of paramedics is a complex of medical, technical, physical, chemical, biological, social, psychological, logistics and many other aspects that affect the safety of this service, therefore, the study considers safety risk management in rescue services as a multidisciplinary problem.

The monograph presents many technical and systemic optimizations in rescue services, but identifies safety training as one of the key approaches to reducing risks, supported by broad collaboration within the field of “Safety Sciences”, with the aim of raising safety awareness in all spheres of society.

Within the framework of his research activities, the candidate has led two national research projects and participated in one national and one international research project. The projects are related to various aspects of combatting crime and ensuring safety in a modern environment.

The candidate's overall scientific and research activity defines him as a researcher and educator, actively working on issues of national security.

3. Assessment of the candidate's pedagogical training and activities

Candidate Assoc. Prof. Peter Lošonczi, PhD, has extensive teaching experience in Slovakia in various disciplines covering various aspects of security. In this activity, he has also developed two textbooks: “Forensic Science in Practice” (2013) and “Informatics” (2017).

In addition to teaching activities, the candidate has held and holds leading academic and expert positions.

The candidate's pedagogical training is enriched by the supervision of three doctoral students who has successfully defended the educational and scientific degree “Doctor”.

The candidate's overall teaching activity shows that he has extensive pedagogical training and extensive experience as a lecturer.

4. Main scientific and applied scientific contributions

The main scientific results obtained by the candidate can be characterized in general terms as supplementing knowledge in a scientific field with new concepts, methods and approaches. I accept and confirm the presence of contributions in the works of the candidate submitted for the competition.

The contributions in the candidate's publications are of a scientific and applied science nature and can be formulated as follows:

- The most serious security risks have been identified as a basis for further research to increase the safety of the paramedic profession (Selected risk aspects of performing the profession of a paramedic affecting its safety, 2021, monograph).
- Optimization measures are proposed, reducing the probability and consequences of risks for the rescuer's profession (Selected risk aspects of performing the profession of a paramedic affecting its safety, 2021, monograph).
- A multi-level matrix of the hierarchy of the negative impact of threats on the system of sustainable development and planning of the region in the context of

ensuring the economic security of the state has been developed (Lošonczi, P., Britchenko, I., Sokolovska, O. Analysis of the Main Threats to the System of Sustainable Development and Planning of the Region in the Context of Ensuring the Economic Security of the State, *International Journal of Sustainable Development and Planning*, Vol 17, No 5, August 2022).

- It has been established that digitalization creates important advantages for enterprises in terms of implementing a long-term strategy for their development, strengthening economic security and achieving significant competitive advantages in doing business (T. Shmatkovska, I. Britchenko, S. Voitovych, P. Lošonczi, I. Lorvi, I. Kulyk, S. Begun. Modern information and communication technologies in the digital economy in the system of economic security of the enterprises, *AD ALTA: Journal of Interdisciplinary Research*, SPECIAL ISSUE NO.: 12/01-XXVII, VOL. 12, ISSUE 1, 2022).

- Key elements of mechanisms for state management of information exchange on cyberattacks, cyberincidents and information security incidents have been identified (Kryshtanovych, M., Britchenko, I., Lošonczi, P., Baranovska, T., Lukashevskaya, U. State Management Mechanisms for the Exchange of Information Regarding Cyberattacks, Cyber Incidents and Information Security Incidents. In: *International Journal of Computer Science and Network Security*, Vol. 22, Issue 4, p. 33-38).

- To improve the interaction between the rescue units of the Rescue and Fire Brigade Corps, the Medical Rescue Service and the Voluntary Municipal Fire Brigade in Slovakia, not only regular tactical training focused on specific situations, but also professional training and other joint activities are recommended (Drotarova, J., Mesaros, M., Lošonczi, P. Cooperation Between the Rescue and Fire Brigade Corps and the Medical Rescue Service Representing a Basis for an Effective Integrated Rescue System in the Slovak Republic, In: *Annals of Burns and Fire*

Disaster. Palermo, Italy: Euro-Mediterranean Council for Burns and Fire Disaster, Vol. 34, No 4, Dec. 2021).

5. Assessment of the significance of contributions to science and practice

The significance of the contributions made by Assoc. Prof. Peter Lošonczy, PhD, in his works is determined by their scientific and applied nature. The research conducted by him and the results obtained create conditions for further research to increase the safety of the rescue profession and to strengthen the economic, information and social security of the state.

The significance of the results obtained from the candidate's research is also evidenced by the citations by other authors, including in scientific publications, referenced and indexed in global databases of scientific information.

6. Assessment of the extent to which the contributions are the candidate's own work

I believe that all the contributions in the reviewed works were obtained with the personal participation of the author. The analysis of the thematic areas that are traced in the candidate's overall scientific production gives an accurate idea of his broad scientific interests and his authorial participation.

7. Critical notes on reviewed works

The scientific works of Assoc. Prof. Peter Lošonczy, PhD, accurately and completely present the results of his research. They also demonstrate the candidate's broad literary awareness.

I have no critical remarks about the candidate's work that would diminish the significance of the contributions received.

My recommendation is that the candidate increase their independent publications both in Slovakia and abroad.

8. Personal impressions

I have no personal impressions of the candidate.

I have no joint publications with him.

9. Opinion on the presence or absence of plagiarism

In the candidate's works, I have not found any presentation as one's own of works that were entirely or partially written or created by another author or the use of scientific results published by another author, without reference or citation.

10. Conclusion

I positively evaluate the scientific output of Assoc. Prof. Peter Lošonczi, PhD. I believe that the candidate meets the requirements for holding the academic position of “Professor” according to the Act on the Development of Academic Staff in the Republic of Bulgaria and the Regulations of the Academy of National and Information Security for the Implementation of the Act on the Development of Academic Staff in the Republic of Bulgaria. This gives me reason to give him an overall **positive assessment**.

Based on the above **I vote positively** for the election of Assoc. Prof. Peter Lošonczi, PhD, to the academic position of “Professor” in the field of higher education 9. “Security and Defense”, professional field 9.1. “National Security” (Institutional Security and Prevention of Organized Crime) in the competition, announced in the State Gazette, issue 49 of 17 June 2025.

15.01.2026

Reviewer:

Prof. Plamen Bogdanov, PhD