Research/teacher profile of a person

Date of last update	20/06/2022

I. Basic information

I.1 Surname	Zachar
I.2 Name	Štefan
I.3 Degrees	Master's degree
I.4 Year of birth	1978
I.5 Name of the workplace	Information Science and Management Department
I.6 Address of the workplace	Academy of the Police Force in Bratislava, Sklabinská 1, 835 17 Bratislava
I.7 Position	Assistant
I.8 E-mail address	stefan.zachar@minv.sk stefan.zachar@akademiapz.sk
I.9 Hyperlink to the entry of a person in the Register of university staff	https://www.portalvs.sk/regzam/detail/28324
I.10 Name of the study field in which a person works at the university	Security Sciences
I.11 ORCID iD	

II. Higher education and further qualification growth

	II.a Name of the university or institution	**II.b Year**	**II.c Study field and programme**
II.1 First degree of higher education	Faculty of Natural Sciences, Department of Computer Science, Matej Bel University in Banská Bystrica	2006	Applied computer science
II.2 Second degree of higher education	Faculty of Natural Sciences, Department of Computer Science, Matej Bel University in Banská Bystrica	2009	Teaching of computer science
II.2a Rigorous procedure			
II.3 Third degree of higher education			
II.4 Associate professor			
II.5 Professor			
II.6 Doctor of Science (D.Sc.)			
II.7 Further education			

III. Current and previous employment

III.a Occupation-position	**III.b Institution**	**III.c Duration**
Professional soldier / senior operator specialist	Military unit in Komárno	1996 - 2005
Professional soldier / administrative manager	Ministry of defence in Bratislava	2005 - 2016
University teacher	Academy of the Police Force in Bratislava	od 2017 present od 2017 Assistant

IV. Development of pedagogical, professional, language, digital and other skills

IV.a Activity description, course name, other	IV.b Name of the institution	IV.c Year
English language course	Training center in Trenčín	2013

V. Overview of activities within the teaching career at the university

V.1 Overview of the profile courses taught in the current academic year according to study programmes

V.1a Name of the profile course	V.1b Study programme	V.1c Degree	V.1d Field of study

V.2a Name of the study programme	V.2b Degree	V.2c Field of study

V.3 Overview of the responsibility for the development and quality of the field of habilitation procedure and inaugural procedure in the current academic year

V.3a Name of the field of habilitation procedure and inaugural procedure	V.3b Study field to which it is assigned

V.4 Overview of supervised final theses

	V.4a Bachelor's (first degree)	V.4b Diploma (second degree)	V.4c Dissertation (third degree)
V.4.1 Number of currently supervised theses	4		
V.4.2 Number of defended theses	11		

V.5 Overview of other courses taught in the current academic year according to study programmes at the Academy of the Police Force in Bratislava

V.5a Name of the course	V.5b Study programme	V.5c Degree	V.5d Field of study
Informatics	Security and Legal Protection of Persons and Property	2.	Security Sciences
Informatics 1	Security and Legal Protection of Persons and Property	1.	Security Sciences
Informatics 2.	Security and Legal Protection of Persons and Property	1.	Security Sciences
Practical Informatics	Security and Legal Protection of Persons and Property	1.	Security Sciences
Informatics 1	Security Public-Administration Services	1.	Security Sciences
Informatics 2.	Security Public-Administration Services	1.	Security Sciences
Practical Informatics	Security Public-Administration Services	1.	Security Sciences

V.6 Overview of other courses according to study programmes for the last six years at the Academy of the Police Force in Bratislava

V.6a Name of the course	V.6b Study programme	V.6c Degree	V.6d Field of study
Informatics	Security and Legal Protection of Persons and Property	2.	Security Sciences

Informatics 1	Security and Legal Protection of Persons and Property	1.	Security Sciences
Informatics 2.	Security and Legal Protection of Persons and Property	1.	Security Sciences
Practical Informatics	Security and Legal Protection of Persons and Property	1.	Security Sciences
Informatics 1	Security Public-Administration Services	1.	Security Sciences
Informatics 2.	Security Public-Administration Services	1.	Security Sciences
Practical Informatics	Security Public-Administration Services	1.	Security Sciences

V.7 Overview of other courses taught in further specialised education[1]

V.7a Name of the course/training	V.7b Study programme	V.7c Degree	V.7d Institution	V.7e Field of study	V.7f Year

V.8 The most significant pedagogical activity at other universities (maximum of five)

V.8a Name of the course/training	V.8b Study programme	V.8c Degree	V.8d Institution	V.8e Field of study	V.8f Year

VI. Profile of the quality of research/other outputs (overview of the research/other outputs and corresponding citations)

VI.1 Overview of the research/other outputs and the corresponding citations

	VI.1a Overall	VI.1b Over the last six years
VI.1.1 Number of the research/other outputs	11	11
A+		
A		
A-		
B	5	5
C	6	6
VI.1.2 Number of the research/other outputs registered in the Web of Science or Scopus databases		
VI.1.3 Number of citations corresponding to the research/other outputs	11	11
VI.1.4 Number of citations registered in the Web of Science or Scopus databases		
VI.1.5 Number of invited lectures at the international/national level		
VI.1.6 Number of projects granted for the funding of research		
VI.2 The most significant research/other outputs (maximum of five)		

1.	BCI	**ZACHAR, Štefan** **Vybrané časti MS Office k predmetu Informatika I./ Selected parts of MS Office for the subject Informatics I. handbook** / author Štefan Zachar, reviewed by Antonín Korauš, reviewed

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[1] The courses listed in this category are listed in connection with the system of lifelong learning, which the scientific and pedagogical employees of the Academy of the Police Force in Bratislava implement with the entities of the Ministry of Interior of the Slovak Republic and other entities of the security administration.

		by Eva Kostrecová. - 1st edition. - Bratislava : Academy of the Police Force in Bratislava, 2020. - 108 s. - ISBN 978-80-8054-863-6. Sign.: F 20404/1, SF 1945/1, E-Book 114 [ZACHAR, Štefan (100%)]
		The author introduces students to the practical use of MS Office tools in the scripts in question. The publication contains illustrative examples of using MS Word, MS Excel and MS PowerPoint with a number of accompanying images. Each block ends with a short exercise designed to practice the acquired knowledge. The publication is recommended and used by students during the exercises of the subject Informatics I The author allowed himself to classify this publication in category C
2.	**AFD**	**ZACHAR, Štefan** **Internetové hrozby - možnosti zneužitia siete internet v aplikačnej vrstve** / Internet threats - possibilities of internet abuse in the application layer , author Štefan Zachar. In: Vzdelávanie príslušníkov Policajného zboru v oblasti prevencie a identifikácie obchodovania s ľuďmi [print] : zborník z 1. Medzinárodného odborného sympózia / Education of members of the Police Force in the field of prevention and identification of trafficking in human beings [print]: Proceedings of the 1st International Professional Symposium / author Tibor Kovács, reviewed by Magdaléna Ondicová, reviewed by Jozef Meteňko. - Bratislava : Academy of the Police Force in Bratislava, 2019. - ISBN 978-80-8054-822-3. - S. 163-172. Sign.: F 20220 [ZACHAR, Štefan (100%)]
		T The author of the article clarified the current possibilities of informatics in the Internet environment. It points out possible connections of the application layer of the Internet with crime on the basis of its anonymization functions. It gives examples of how currently available applications could be misused to anonymize and cover up acts performed by potential criminals, as well as possible errors that can lead to the acquisition of data tracks. The author allowed himself to classify this publication in category B
3.	**AFD**	**ZACHAR, Štefan** **Online overovanie vedomostí študentov = Online verification of students knowledge** / author Štefan Zachar. In: UNINFOS 2021 [elektronický dokument] : Univerzitné informačné systémy : zborník z online konferencie / University information systems: proceedings of an online conference / author. Karol Matiaško, author. Michal Kvet. - Žilina : Žilinská univerzita v Žiline, 2021. - ISBN 978-80-554-1828-5. - S. 20-24. Plný text: https://uninfos.uniza.sk/wp-content/uploads/2021/11/UNINFOS2021-zbornik-vydanie1.pdf [ZACHAR, Štefan (100%)]
		The paper deals with the application of information and communication technologies, which are used by the author in the process of verification of acquired knowledge and describes practical experiences and observations during the distance form of education at the Academy of the Police Force in Bratislava. The author brings information about the open-source platform TC-Exam, describes the basic philosophy of testing, verification and evaluation of knowledge.The author allowed himself to classify this publication in category C
4.	**AFD**	**ZACHAR, Štefan** **Darknetové nástroje / Darknet tools** / author Štefan Zachar, reviewed by Tatiana Hajdúková, reviewed by Matej Kostrec. In: Zborník príspevkov z 3. ročníka Vedeckej konferencie doktorandov na Akadémii Policajného zboru v Bratislave /Proceedings of the 3rd year of the Scientific Conference of Doctoral Students at the Academy of the Police Force in Bratislava / zost. Lucia Siváčková, reviewed by Pavol Augustín, reviewed by Vladimír Baláž, reviewed by Ľubica Baričičová. - Bratislava : Academy of the Police Force in Bratislava, 2020. - ISBN 978-80-8054-875-9. - ISBN 978-80-8054-876-6. - S. 297-310. Plný text: https://www.akademiapz.sk/sites/default/files/SO/zborniky/elektronick%C3%A1%20verzia_fin%C3%A1lna%20verzia_zborn%C3%ADk_2020.pdf Sign.: F 20454, SF 1950 [ZACHAR, Štefan (100%)]
		The author of the article describes the difference in the terminology of the terms internet, web, darknet and darkweb. The article describes the most well-known networks that can be used as part of a darknet. The author also presents the tools through which it is possible to access these networks.The author allowed himself to classify this publication in category C
5.	**AFD**	**ZACHAR, Štefan** **Bezpečnosť v Internete vecí = Security in the Internet of Things** / author Štefan Zachar. In: Moderné technológie v páchaní, odhaľovaní, dokumentovaní, dokazovaní a prevencii trestnej

		činnosti [print, elektronický dokument] : zborník z vedeckej konferencie s medzinárodnou účasťou konanej dňa 19. februára 2020 / Modern technologies in committing, detecting, documenting, proving and preventing crime [print, electronic document]: proceedings of a scientific conference with international participation held on 19 February 2020 / zost. Miroslav Felcan, zost. Vincent Holubiczky, reviewed by Anton Tallo, reviewed by Boris Löffler. - Bratislava : Academy of the Police Force in Bratislava, 2020. - ISBN 978-80-8054-856-8. - S. 257-266. Sign.: F 20308, E-Book 111 [ZACHAR, Štefan (100%)]
		The author of the article focuses on the issue of security in the Internet of Things. The article explains what the Internet of Things is and what security issues affect it. It provides examples of security incidents. At the same time, it describes a model example of inappropriate IP camera settings by users, with emphasis on the fact that inexperienced users are one of the typical security threats. The author allowed himself to classify this publication in category **B**

VI.3 The most significant research/other outputs over the last six years (maximum of five)

1.	AFC	**ZACHAR, Štefan** **Technológia blockchain a jej možné využitie v štátnom a verejnom sektore / Blockchain technology and its possible use in the state and public sector** / author Štefan Zachar, reviewed by Hana Bartošová, reviewed by Miroslav Felcan. In: Tradície a dynamika vývoja manažmentu a informatiky z pohľadu univerzít s bezpečnostným zameraním [print] : zborník príspevkov zo 7. virtuálnej konferencie s medzinárodnou účasťou / Traditions and dynamics of management and informatics development from the point of view of universities with a security focus [print]: collection of papers from the 7th virtual conference with international participation / zost. Stanislav Prečuch. - Bratislava : Academy of the Police Force in Bratislava, 2018. - ISBN 978-80-8054-767-7. - S. 186-195. Sign.: F 19605, SF 1906 [ZACHAR, Štefan (100%)]
		The author of the paper clarified the current possibilities of informatics in the Internet environment. The author of the paper pointed out the issue of blockchain technology and its application possibilities in the state and public sector.. The paper explains the hash functions, methods of reaching consensus and the very principle of blockchain operation. It also provides examples and comparisons of possible solutions.The author allowed himself to classify this publication in category B
2.	AFD	**ZACHAR, Štefan** **Aspekty využívania MS Office 365 pri dištančnej forme výučby** / Aspects of using MS Office 365 in distance learning / author Štefan Zachar. In: Aktuálne výzvy kybernetickej bezpečnosti : special edition 2020 : zborník príspevkov / Current Challenges of Cyber Security: special edition 2020: Proceedings / zost. Štefan Zachar, reviewed by Anna Hamranová, reviewed by Eva Kostrecová. - Bratislava : Academy of the Police Force in Bratislava, 2020. - ISBN 978-80-8054-879-7. - S. 177-181. Sign.: E-Book 121 [ZACHAR, Štefan (100%)]
		The author of the paper focuses on the use of available information and communication tools and distance learning software during the ongoing pandemic crisis. It focuses mainly on technical solutions and a description of software that is used in the distance form of teaching by teachers at the Academy of the Police Force in Bratislava. The author summarizes the experience from teaching the subject Informatics I. and Practical Informatics taught by the Department of Informatics and Management.The author allowed himself to classify this publication in category C
3.	AFD	**ZACHAR, Štefan** **Využitie znakov digitálnej stopy pri riešení problematiky blockchain / The use of digital footprints characters in solving blockchain problems** / author Štefan Zachar. In: Aktuálne výzvy kybernetickej bezpečnosti (v podmienkach bezpečnostných zložiek) [elektronický dokument] : zborník príspevkov z vedeckej konferencie s medzinárodnou účasťou / Aktuálne výzvy kybernetickej bezpečnosti (v podmienkach bezpečnostných zložiek) : zborník príspevkov z vedeckej konferencie s medzinárodnou účasťou / zost. Štefan Zachar, zost. Liliana Réveszová, reviewed by Anna Hamranová, reviewed by Eva Kostrecová. - Bratislava : Academy of the Police Force in Bratislava, 2019. - ISBN 978-80-8054-819-3. - S. 196-205. Sign.: CD 228 [ZACHAR, Štefan (100%)]
		The author explains the issue of blokchain technology in the context of digital footprints. The paper clarifies the applicability of generally defined specifics of digital tracks to individual functions and features of blockchain technology. The author allowed himself to classify this publication in category B

4.	**AFD**	**ZACHAR, Štefan** **Anonymizácia komunikácie zmenou IP adresy ako metóda bezpečného prehliadania internetu** / Anonymizing communication by changing the IP address as a method of safe Internet browsing / author Štefan Zachar, reviewed by Anna Hamranová, reviewed by Eva Kostrecová. In: Aktuálne výzvy prevencie počítačovej kriminality [elektronický dokument] : zborník príspevkov z vedeckej konferencie s medzinárodnou účasťou konanej dňa 21.3.2018/ Current Challenges of Cybercrime Prevention: Proceedings of a Scientific Conference with International Participation Held on March 21, 2018 / zost. Matej Kostrec, zost. Jana Kuchtová, reviewed by Anna Hamranová, reviewed by Eva Kostrecová. - Bratislava : Academy of the Police Force in Bratislava, 2018. - ISBN 978-80-8054-774-5. - ISBN 978-80-8054-773-8. - S. 217-224. Sign.: CD 217, E-Book 78 [ZACHAR, Štefan (100%)]

The author of the article explains the issue of anonymity on the Internet in order to securely browse the WEB. The article clarifies the principle of operation of Internet browsers with servers and possible threats. The author also mentions the methods of hiding the user's IP address as a way of hiding the identity.The author allowed himself to classify this publication in category B

5.	**AFD**	**ZACHAR, Štefan** **Definícia hlbokého webu/ Definition of a deep web** / author Štefan Zachar, reviewed by Ľudmila Gregušová, reviewed by Tatiana Hajdúková. In: Zborník príspevkov z 2. ročníka Vedeckej konferencie doktorandov na Akadémii Policajného zboru v Bratislave [print, elektronický dokument] / Proceedings of the 2nd year of the Scientific Conference of Doctoral Students at the Academy of the Police Corps in Bratislava / zost. Lucia Siváčková, reviewed by Petra Andorová, reviewed by Pavol Augustín, reviewed by Vladimír Baláž. - Bratislava : Academy of the Police Force in Bratislava, 2019. - ISBN 978-80-8054-825-4. - ISBN 978-80-8054-824-7. - S. 354-361. Sign.: F 20112, E-Book 100 [ZACHAR, Štefan (100%)]

The author of the article explains the term "deep web" and describes its individual parts. In the article, he briefly explains the origin and development of the website as such and describes the work of search engines. The author also states the differences between the visible and deep web and possible ways of accessing the encrypted parts of the web.The author allowed himself to classify this publication in category C

VI.4 The most significant citations corresponding to the research/other outputs (maximum of five)

1.	**Technológia blockchain a jej možné využitie v štátnom a verejnom sektore [print]** / Blockchain technology and its possible use in the state and public sector / author Štefan Zachar, reviewed by Hana Bartošová, reviewed by Miroslav Felcan. In: Tradície a dynamika vývoja manažmentu a informatiky z pohľadu univerzít s bezpečnostným zameraním [print] : zborník príspevkov zo 7. virtuálnej konferencie s medzinárodnou účasťou / Traditions and dynamics of management and informatics development from the point of view of universities with a security focus: collection of papers from the 7th virtual conference with international participation / zost. Stanislav Prečuch. - Bratislava : Academy of the Police Force in Bratislava, 2018. - ISBN 978-80-8054-767-7. - S. 186-195. Sign.: F 19605, SF 1906 [4] HOLUBICZKY, V. 2019. Bezpečnosť informačných systémov - ľudský faktor. In *Zborník zo 14. medzinárodného sympózia konaného dňa 14. 3. 2019 v rámci medzinárodného veľtrhu SECURITY BRATISLAVA 2019*. Bratislava : Academy of the Police Force in Bratislava, 2019, s. 187. ISBN 978-80-8054-795-0. [4] JURISOVÁ, M. 2020. Virtuálne meny verzus kriminalita. In *Policajná teória a prax : časopis Akadémie Policajného zboru v Bratislave*, ISSN 1335-1370. 2020, roč. 28, č. 3, s. 100, 107.
2.	**Využitie znakov digitálnej stopy pri riešení problematiky blockchain / The use of digital footprints characters in solving blockchain problems** / author Štefan Zachar. In: Aktuálne výzvy kybernetickej bezpečnosti (v podmienkach bezpečnostných zložiek) [elektronický dokument] : zborník príspevkov z vedeckej konferencie s medzinárodnou účasťou / Aktuálne výzvy kybernetickej bezpečnosti (v podmienkach bezpečnostných zložiek) : zborník príspevkov z vedeckej konferencie s medzinárodnou účasťou / zost. Štefan Zachar, zost. Liliana Réveszová, reviewed by Anna Hamranová, reviewed by Eva Kostrecová. - Bratislava : Academy of the Police Force in Bratislava, 2019. - ISBN 978-80-8054-819-3. - S. 196-205 [4] JURISOVÁ, M. 2020. Virtuálne meny verzus kriminalita. In *Policajná teória a prax : časopis Akadémie Policajného zboru v Bratislave*, ISSN 1335-1370. 2020, roč. 28, č. 3, s. 100, 107.
3.	**Anonymizácia komunikácie zmenou IP adresy ako metóda bezpečného prehliadania internetu** /

	Anonymizing communication by changing the IP address as a method of safe Internet browsing / author Štefan Zachar, reviewed by Anna Hamranová, reviewed by Eva Kostrecová. In: Aktuálne výzvy prevencie počítačovej kriminality [elektronický dokument] : zborník príspevkov z vedeckej konferencie s medzinárodnou účasťou konanej dňa 21.3.2018/ Current Challenges of Cybercrime Prevention: Proceedings of a Scientific Conference with International Participation Held on March 21, 2018 / zost. Matej Kostrec, zost. Jana Kuchtová, reviewed by Anna Hamranová, reviewed by Eva Kostrecová. - Bratislava : Academy of the Police Force in Bratislava, 2018. - ISBN 978-80-8054-774-5. - ISBN 978-80-8054-773-8. - S. 217-224. Sign.: CD 217, E-Book 78
	[4] IVANČÍK, R. 2020. Manažment bezpečnosti a obrany: rast významu ochrany kritickej informačnej infraštruktúry pred kybernetickými útokmi na úrovni štátu i na úrovni Severoatlantickej aliancie. In *Vojenské reflexie*, ISSN 1336-9202. 2020, roč. 15, č. 2, s. 62. Dostupný na internete <http://vr.aos.sk/images/dokumenty/archiv_cisel/2020/vojenske_reflexieXV_2.pdf> [4] IVANČÍK, R. 2020. Obrana kybernetického priestoru ako jedna z priorít Severoatlantickej aliancie v oblasti kybernetickej bezpečnosti a obrany. In *Aktuálne výzvy kybernetickej bezpečnosti : special edition 2020 : zborník príspevkov*. 1. vyd. Bratislava : Academy of the Police Force in Bratislava, 2020, s. 39. ISBN 978-80-8054-879-7. [4] IVANČÍK, R., NEČAS, P. 2020. Kybernetická moc v kontexte zaisťovania kybernetickej bezpečnosti a obrany na národnej a aliančnej úrovni. In *Aktuálne výzvy kybernetickej bezpečnosti : special edition 2020 : zborník príspevkov*. 1. vyd. Bratislava : Academy of the Police Force in Bratislava, 2020, s. 48. ISBN 978-80-8054-879-7. [4] IVANČÍK, R. 2021. Základné teoretické a terminologické východiská skúmania problematiky dezinformácií. In *Národná a medzinárodná bezpečnosť 2021 : zborník príspevkov z medzinárodnej vedeckej konferencie*. 1. vyd. Liptovský Mikuláš : Akadémia ozbrojených síl generála Milana Rastislava Štefánika, 2021, s. 166. ISBN 978-80-8040-606-6. Dostupný na internete <http://www.aos.sk/struktura/katedry/kbo/NMB2021/Zbornik_NMB2021.pdf> [3] IVANČÍK, R. 2021. Dezinformácie ako bezpečnostná hrozba pre demokratickú spoločnosť. In *Právo a bezpečnosť*, ISSN 2336-5323. 2021, č. 3, s. 17. Dostupný na internete <https://www.pravoabezpecnost.cz/_files/200000057-ba9c0ba9c3/PaB%203-2021.pdf?ph=5322ff71c9>
4.	
5.	

VI.4A The most significant citations corresponding to the research/other outputs over the last six years (maximum of five)	
1.	
2.	
3.	
4.	
5.	

VI.5 Participation in conducting (leading) the most important research projects over the last six years (maximum of five)	
1.	
2.	
3.	
4.	
5.	

VI.6 Participation in conducting (leading) the most important research projects (maximum of five)	
1.	Co-investigator of the scientific research task Vysk 161 Methods of processing police-relevant information
2.	
3.	
4.	

5.	

VII. Overview of organizational experience related to higher education and research/other activities

VII.1 The most significant positions and memberships in scientific and professional institutions/associations and editorial boards (maximum of five)

VII.1a Activity, position	VII.1b Name of the institution/board	VII.1c Duration
member	The working group Internal Quality Assurance Systems APZ in Bratislava	since 2021

VII.2 The most significant positions and memberships in scientific and professional institutions/associations and editorial boards for the last six years (maximum of five)

VII.2a Activity, position	VII.2b Name of the institution/board	VII.2c Duration

VIII. Overview of international mobilities and visits oriented on education and research/other activities in the respective field of study

VIII.a Name of the institution	VIII.b Address of the institution	VIII.c Duration (indicate the duration of stay)	VIII.d Mobility scheme, employment contract, other (describe)

IX. Other relevant facts

IX.1 Characteristics of activities related to respective field of study

He actively participates in the provision of teaching, the creation of study literature, the creation of subjects within the field of study "Security Sciences".

IX.2 Other activities

He is a member of the working group Internal Quality Assurance Systems APZ in Bratislava