Research/teacher profile of a person

Date of last update	31/12/2021

I. Basic information

I.1 Surname	Kostrec
I.2 Name	Matej
I.3 Degrees	JUDr., PhD.
I.4 Year of birth	1977
I.5 Name of the workplace	Department of Information Science and Management
I.6 Address of the workplace	Academy of the Police Force in Bratislava, Sklabinská 1, 835 17 Bratislava
I.7 Position	Assistant Professor
I.8 E-mail address	matej.kostrec@minv.sk matej.kostrec@akademiapz.sk
I.9 Hyperlink to the entry of a person in the Register of university staff	https://www.portalvs.sk/regzam/detail/9
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	-	-	-
II.2 Second degree of higher education	Academy of the Police Force in Bratislava	2008	Security Services
II.2a Rigorous procedure	Academy of the Police Force in Bratislava	2009	Security Services
II.3 Third degree of higher education	Academy of the Police Force in Bratislava	2013	Theory of Police Sciences
II.4 Associate professor	-	-	-
II.5 Professor	-	-	-
II.6 Doctor of Science (D.Sc.)	-	-	-
II.7 Further education	Academy of the Police Force in Bratislava	2008	Additional teacher certification

III. Current and previous employment

III.a Occupation-position	III.b Institution	III.c Duration
University teacher	Academy of the Police Force in Bratislava	2008 – present 2008 Assistant 2015 Assistant Professor
Self-employed person		2000 - 2008

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
MEPA specialized language course	Academy of the Police Force in Bratislava	2021
MEPA specialized language course	Academy of the Police Force in Bratislava	2020
MEPA specialized language course	Academy of the Police Force in Bratislava	2019
MEPA specialized seminar Darknet	Academy of the Police Force in Bratislava	2019

undercover operation		
MEPA specialized language course	Academy of the Police Force in Bratislava	2018
Additional teacher certification	Academy of the Police Force in Bratislava	2008

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.2 Overview of the responsibility for the delivery, development and quality assurance of the study programme or its part at the university in the current academic year

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	2	3	
V.4.2 Number of defended theses	23	22	

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
Information security	Security and Protection of Persons and Property	2	Security Sciences
Information security	Security Public-Administration Services	2	Security Sciences
Informatics	Security and Protection of Persons and Property	2	Security Sciences
Informatics 1	Security and Protection of Persons and Property	1	Security Sciences
Informatics 2	Security and 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

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
Information security	Security and Protection of Persons and Property	2	Security Sciences
Information security	Security Public-Administration Services	2	Security Sciences
Informatics	Security and Protection of Persons and Property	2	Security Sciences
Informatics 1	Security and Protection of Persons and Property	1	Security Sciences
Informatics 2	Security and Protection of Persons and Property	1	Security Sciences
Informatics 1	Security Public-Administration Services	1	Security Sciences
Informatics 2	Security Public-	1	Security Sciences

	Administration Services			
Practical Informatics	Security and Protection of Persons and Property	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	41	25
A+	-	-
A	-	-
A-	-	-
B	20	14
C	21	9
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	50	36
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.

ADE   **KOSTREC, Matej** - ŠTĚDROŇ, Bohumír
Trends in the brain-computer interface / aut. Matej Kostrec, aut. Bohumír Štědroň.
In: Acta Universitatis Carolinae Kinanthropologica [elektronical document, print]. - ISSN 1212-1428. - ISSN 0323-0511. - ISSN 2336-6052. - Edition. 57, č. 1 (2021), pp. 79-91.
[KOSTREC, Matej (50%) - ŠTĚDROŇ, Bohumír (50%)]

In this scientific work, the authors provided a scientific view of new trends in the use of computer technology. Neurotechnology is the possibility of connecting information technology and the human body. Its mission is to scan, recognize and analyze the electromagnetic signals of the human brain using various devices. They are used to map thought processes, which are then used in medicine, the judiciary, but also marketing and entertainment.
The author allowed himself to classify the output in the B category.

2.

ADE   **KOSTREC, Matej**
Umelá inteligencia v centre budúcich techník obchádzania / aut. Matej Kostrec.
In: Journal of diplomatics and social studies [elektronical document, print] : recenzed journal - ISSN 2570-9852. - ISSN 2570-9844. - Year 3, nr. 2 (2020),p. 7-11.
[KOSTREC, Matej (100%)]

In this scientific work, the author focused on the analysis of artificial intelligence and its subsequent use in

	data and data acquisition. It provides a new perspective on the implementation of new technologies into the life of society. The author allowed himself to classify the output in the B category.
3.	**ADE** **KOSTREC, Matej** **Will a computer be inspired by our brain tomorrow?** / aut. Matej Kostrec. In: Journal of diplomatics and social studies [elektronical document, print] : recenzed journal - ISSN 2570-9852. - ISSN 2570-9844. - Year. 3, nr. 1 (2020), p. 30-37. [KOSTREC, Matej (100%)] In the scientific work in question, the author presents the vision and possibilities of the development of information technologies and their influence on the existence of human society. It introduces and analyzes changes in the use of human thinking, reasoning and decision-making. The author allowed himself to classify the output in the B category.
4.	**ADE** **KOSTREC, Matej** **Pohľad Francúzska na účinnosť GDPR po polroku v praxi** / aut. Matej Kostrec. In: Journal of diplomatics and social studies [elektronical document, print] : recenzed journal. - ISSN 2570-9852. - ISSN 2570-9844. - Year. 1, nr. 2 (2018), p. 52-57. [KOSTREC, Matej (100%)] In this scientific work, the author analyzes France's approach to the implementation of the Regulation on the protection of personal data from various perspectives. It provides an overview of the measures in place to comply with the regulation and their use in practice. The author allowed himself to classify the output in the B category.
5.	**ADE** **KOSTREC, Matej** **Electronic Communication in the Company and Related Services** / aut. Matej Kostrec. In: Sdělovací technika [print] : smart technologie pro udržitelný rozvoj. - ISSN 0036-9942. - ISSN 2336-8322. - nr. 4 (2018), p. 42-43. [KOSTREC, Matej (100%)] In this scientific work, the author presents an analysis of electronic communication in companies and organizations, the possibility of using various forms and technologies to increase its effectiveness. The author allowed himself to classify the output in the B category.
VI.3 The most significant research/other outputs over the last six years (maximum of five)
1.	**ADE** **KOSTREC, Matej** - ŠTĚDROŇ, Bohumír **Trends in the brain-computer interface** / aut. Matej Kostrec, aut. Bohumír Štědroň. In: Acta Universitatis Carolinae Kinanthropologica [elektronical document, print]. - ISSN 1212-1428. - ISSN 0323-0511. - ISSN 2336-6052. - Edition. 57, č. 1 (2021), pp. 79-91. [KOSTREC, Matej (50%) - ŠTĚDROŇ, Bohumír (50%)] In this scientific work, the authors provided a scientific view of new trends in the use of computer technology. Neurotechnology is the possibility of connecting information technology and the human body. Its mission is to scan, recognize and analyze the electromagnetic signals of the human brain using various devices. They are used to map thought processes, which are then used in medicine, the judiciary, but also marketing and entertainment. The author allowed himself to classify the output in the B category.
2.	**ADE** **KOSTREC, Matej** **Umelá inteligencia v centre budúcich techník obchádzania** / aut. Matej Kostrec. In: Journal of diplomatics and social studies [elektronical document, print] : recenzed journal - ISSN 2570-9852. - ISSN 2570-9844. - Year 3, nr. 2 (2020),p. 7-11. [KOSTREC, Matej (100%)] In this scientific work, the author focused on the analysis of artificial intelligence and its subsequent use in data and data acquisition. It provides a new perspective on the implementation of new technologies into the life of society.

	The author allowed himself to classify the output in the B category.
3.	**ADE KOSTREC, Matej** **Will a computer be inspired by our brain tomorrow?** / aut. Matej Kostrec. In: Journal of diplomatics and social studies [elektronical document, print] : recenzed journal - ISSN 2570-9852. - ISSN 2570-9844. - Year. 3, nr. 1 (2020), p. 30-37. [KOSTREC, Matej (100%)] In the scientific work in question, the author presents the vision and possibilities of the development of information technologies and their influence on the existence of human society. It introduces and analyzes changes in the use of human thinking, reasoning and decision-making. The author allowed himself to classify the output in the B category.
4.	**ADE KOSTREC, Matej** **Pohľad Francúzska na účinnosť GDPR po polroku v praxi** / aut. Matej Kostrec. In: Journal of diplomatics and social studies [elektronical document, print] : recenzed journal. - ISSN 2570-9852. - ISSN 2570-9844. - Year. 1, nr. 2 (2018), p. 52-57. [KOSTREC, Matej (100%)] In this scientific work, the author analyzes France's approach to the implementation of the Regulation on the protection of personal data from various perspectives. It provides an overview of the measures in place to comply with the regulation and their use in practice. The author allowed himself to classify the output in the B category.
5.	**ADE KOSTREC, Matej** **Electronic Communication in the Company and Related Services** / aut. Matej Kostrec. In: Sdělovací technika [print] : smart technologie pro udržitelný rozvoj. - ISSN 0036-9942. - ISSN 2336-8322. - nr. 4 (2018), p. 42-43. [KOSTREC, Matej (100%)] In this scientific work, the author presents an analysis of electronic communication in companies and organizations, the possibility of using various forms and technologies to increase its effectiveness. The author allowed himself to classify the output in the B category.

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

1.	**Electronic Communication in the Company and Related Services** / aut. Matej Kostrec. In: Sdělovací technika [print] : smart technologie pro udržitelný rozvoj. - ISSN 0036-9942. - ISSN 2336-8322. - nr. 4 (2018), p. 42-43. [3] ŠTĚDROŇ, B., PROROK, V., FIALOVÁ, E., MATEJKA, J., NAVRÁTIL, J., KRAUSOVÁ, A. 2020. *Právo a umělá inteligence*. Plzeň : Vydavatelství a nakladatelství Aleš Čeněk, s.r.o., 2020, p. 189. ISBN 978-80-7380-803-7.
2.	**Roles, Responsibilities and Documentation related with ICT Acceptance Process** / aut. Matej Kostrec. In: Sdělovací technika : smart technologie pro udržitelný rozvoj. - ISSN 0036-9942. - nr. 4 (2017), s. 45-47. Sign.: copy [3] KOSTRECOVÁ, E. 2017. IT Access Control in the Company. In *Sdělovací technika*. 2017, nr. 12, p. 47.
3.	**Architecture and Security of Distributed Multitiered Applications** / aut. Matej Kostrec.

	In: Sdělovací technika : telekomunikace - elektronika - multimédia. - ISSN 0036-9942. - nr. 12 (2015), p. 49-51. Sign.: copy [3] KOSTRECOVÁ, E. 2016. Future of Grid and In-Memory Technologies. In *Sdělovací technika : smart technologie pro udržitelný rozvoj*. 2016, č. 4, s. 51.
4.	**Classification of Data and Information and their Protection** / aut. Matej Kostrec. In: Sdělovací technika : telekomunikace - elektronika - multimédia. - ISSN 0036-9942. - nr. 5 (2015), p. 54-55. Sign.: copy [3] ZOUL, D. 2015. Cars without drivers, yes or no?. In *Sdělovací technika : telekomunikace - elektronika - multimédia*. 2015, nr. 7, p. 23. [3] ŠTĚDROŇ, B. 2015. Marketing BBC, CNN and Bloomberg : part I. In *Sdělovací technika : telekomunikace - elektronika - multimédia*. 2015, nr. 8, p. 35. [3] ŠTĚDROŇ, B. 2015. Marketing BBC, CNN and Bloomberg : part II. In *Sdělovací technika : telekomunikace - elektronika - multimédia*. 2015, nr. 9, p. 55. [3] KRATOCHVÍL, V. 2016. Funding opportunities for telecom projects. In *Sdělovací technika : smart technologie pro udržitelný rozvoj*. 2016, nr. 1, p. 47. [3] KOSTRECOVÁ, E. 2017. Security view to the information system development. In *Sdělovací technika : smart technologie pro udržitelný rozvoj*. 2017, nr. 6, p. 47. [3] KOSTRECOVÁ, E. 2017. IT Access Control in the Company. In *Sdělovací technika*. 2017, nr. 12, p. 47.
5.	**How to find solution for managing and protecting information** / aut. Eva Kostrecová, aut. Matej Kostrec. In: Sdělovací technika : telekomunikace - elektronika - multimédia. - ISSN 0036-9942. - nr. 4 (2015), p. 54-55. Sign.: copy [3] ZOUL, D. 2015. Cars without drivers, yes or no?. In *Sdělovací technika : telekomunikace - elektronika - multimédia*. 2015, nr. 7, p. 23. [3] KRATOCHVÍL, V. 2016. Funding opportunities for telekom projects. In *Sdělovací technika : smart technologie pro udržitelný rozvoj*. 2016, nr. 1, p. 47. [3] ŠTĚDROŇ, B., PROROK, V., FIALOVÁ, E., MATEJKA, J., NAVRÁTIL, J., KRAUSOVÁ, A. 2020. *Právo a umělá inteligence*. Plzeň : Vydavatelství a nakladatelství Aleš Čeněk, s.r.o., 2020, p. 189. ISBN 978-80-7380-803-7.

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

1.	**Electronic Communication in the Company and Related Services** / aut. Matej Kostrec. In: Sdělovací technika [print] : smart technologie pro udržitelný rozvoj. - ISSN 0036-9942. - ISSN 2336-8322. - nr. 4 (2018), p. 42-43. [3] ŠTĚDROŇ, B., PROROK, V., FIALOVÁ, E., MATEJKA, J., NAVRÁTIL, J., KRAUSOVÁ, A. 2020. *Právo a umělá inteligence*. Plzeň : Vydavatelství a nakladatelství Aleš Čeněk, s.r.o., 2020, p. 189. ISBN 978-80-7380-803-7.
2.	**Roles, Responsibilities and Documentation related with ICT Acceptance Process** / aut. Matej Kostrec. In: Sdělovací technika : smart technologie pro udržitelný rozvoj. - ISSN 0036-9942. - č. 4 (2017), s. 45-47. Sign.: copy [3] KOSTRECOVÁ, E. 2017. IT Access Control in the Company. In *Sdělovací technika*. 2017, nr. 12, p. 47.
3.	**Nebezpečné hrozby v digitálnom priestore** / aut. Matej Kostrec. In: Aktuálne výzvy kybernetickej bezpečnosti [elektronický dokument] : special edition 2020 : anthology or contributions / comp. Štefan Zachar, rec. Anna Hamranová, rec. Eva Kostrecová. -

	Bratislava : Akadémia Policajného zboru v Bratislave, 2020. - ISBN 978-80-8054-879-7. - p. 79-88. Sign.: E-Book 121
	[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, p. 166. ISBN 978-80-8040-606-6. Available at internet <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, nr. 3, p. 17. Available at internet <https://www.pravoabezpecnost.cz/_files/200000057-ba9c0ba9c3/PaB%203-2021.pdf?ph=5322ff71c9>
4.	**Towards managerial politology** / aut. Bohumír Štědroň, aut. Matej Kostrec. In: Progresívne prístupy a metódy zvyšovania efektívnosti a výkonnosti organizácií [elektronical document] / comp. Peter Balco, comp. Ján Papula, comp. Ján Sabol, rec. Natalia Kryvinska, rec. Peter Linhardt. - Košice : Slovenská asociácia procesného riadenia, 2018. - ISBN 978-80-972984-1-8. - p. 37-43.
	[3] KOSTRECOVÁ, E. 2021. Rozvoj ľudského kapitálu v školstve v súčasnom období pandémie. In *Lidský kapitál a investice do vzdělání : sborník z 23. ročníku mezinárodní vědecké konference*. Praha : Vysoká škola finanční a správní, 2021, p. 35.
5.	**Virtualization of Integrated Information Systems** / aut. Matej Kostrec. In: Sdělovací technika : smart technologie pro udržitelný rozvoj. - ISSN 0036-9942. - nr. 2 (2016), p. 50-51. Sign.: copy
	[3] ŠTĚDROŇ, B., PROROK, V., FIALOVÁ, E., MATEJKA, J., NAVRÁTIL, J., KRAUSOVÁ, A. 2020. *Právo a umělá inteligence*. Plzeň : Vydavatelství a nakladatelství Aleš Čeněk, s.r.o., 2020, p. 189. ISBN 978-80-7380-803-7.

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

1.	

VI.6 Participation in conducting (leading) the most important research projects (maximum of five)

1.	

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	Workgroup for the preparation of Security and Protection of Persons and Property accreditation	2021 - present
Member	Workgroup for the preparation of Security Public-Administration Services accreditation	2021 - present
Chairman	Workcommission for material provision and non-teaching activities of the Academic Senate	2018 - present
Member	Academic senate	2018 - present
Member	Interdepartmental expert commission	2015 - present

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
Member	Workgroup for the preparation of Security and Protection of Persons and Property accreditation	2021 - present
Member	Workgroup for the preparation of Security Public-Administration Services accreditation	2021 - present
Chairman	Workcommission for material provision and non-teaching activities of the Academic Senate	2018 - present
Member	Academic senate	2018 - present

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)
Ecole national de police	Montbeliard (France)	14-19/11/2021	Exchange program
FachHochschule fur Polizei	Aschersleben (Germany)	11-15/11/2019	Exchange program
HWR	Berlin (Germany)	26-30/9/2017	Mobility Erasmus+
Polizeiakademie Niedersachsen	Hann.Munden (Germany)	5-9/9/2016	Mobility Erasmus+
HWR	Berlin (Germany)	22-21/6/2015	Mobility Erasmus+

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 study field "Security Sciences". He regularly publishes, actively participates in domestic and foreign conferences and seminars, and is a member of conference organizing committees. He participates in Specialized Police Training and is a member of examination commissions. He is a member of the senate and chairman of the working commission for material provision and non-teaching activities.

IX.2 Other activities

He is a member of working groups for the preparation of accreditation.