Research/teacher profile of a person

I. Basic information

I.1 Surname	Kniežová
I.2 Name	Jaroslava
I.3 Degrees	Assoc. Prof., Ing., 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	Associate Professor
I.8 E-mail address	jaroslava.kniezova@minv.sk jaroslava.kniezova @akademiapz.sk
I.9 Hyperlink to the entry of a person in the Register of university staff	https://www.portalvs.sk/regzam/detail/5678
I.10 Name of the study field in which a person works at the university	Security Sciences
I.11 ORCID iD	0000-0003-4421-5081

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	University of Economics and Business, Faculty of Economic Informatics	2001	Informatics, Information and Communication technologies, Economic Informatics
II.2a Rigorous procedure	-	-	-
II.3 Third degree of higher education	University of Economics and Business, Faculty of Economic Informatics	2005	Informatics, Information and Communication technologies, Economic Informatics
II.4 Associate professor	Comenius University, Faculty of Management	2014	Management
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
University teacher	Academy of the Police Force in Bratislava	2026 – present
Analyst	Ditec, a.s.	2021-2026
University teacher	Comenius University, Faculty of Management	2010 - 2024
University teacher	University of Economics and Business, Faculty of Economic Informatics	2001 – 2011
Business Consultant	Legand, s.r.o.	2019 - 2021
Analyst	Asseco CE, s.r.o.	2011 – 2018
Information System and Network Specialist	EKONOM – SERVIS, n.o.	2006 – 2009

IT Analyst	INNET SYSTEMS, s.r.o.	2002 - 2002

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
State Exam English Language	State Language School in Žilina	1996
Database Programming with PL/SQL	Oracle Academy for Teachers	2011
Database Design and Programming with SQL	Oracle Academy for Teachers	2010

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
Management	Security and Protection of Persons and Property	1	Security Sciences
Security management	Security and Protection of Persons and Property	2	Security Sciences

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	0	2	0
V.4.2 Number of defended theses	More than 40	More than 30	2

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 Protection of Persons and Property	2	Security Sciences
Informatics 2	Security and Protection of Persons and Property	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
Informatics	Security and Protection of Persons and Property	2	Security Sciences
Informatics 2	Security and Protection of Persons and Property	1	Security Sciences
Informatics 2	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
Managerial Informatics: Information Technologies Management in Healthcare	Healthcare management and financing - specialization study		Comenius University, Faculty of Medicine	Healthcare management and financin	2017- 2019

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	54	13
A+	2	2
A	7	7
A-	10	4
B	3	
C		
VI.1.2 Number of the research/other outputs registered in the Web of Science or Scopus databases	9	9
VI.1.3 Number of citations corresponding to the research/other outputs	51	22
VI.1.4 Number of citations registered in the Web of Science or Scopus databases	*26*	*21*
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.	**Kniežová, J., Hrkút, P., Kršák, E.: Data Pseudonymization in the Generative Artificial Intelligence Environment**. - [recenzované], In: Conference of Open Innovation Association Fruct, pp. 116–121, 2025, Open Innovation Association FRUCT, ISSN: 2305-7254, e-ISSN: 2343-0737, ISBN: 978-952-65246-3-4
2.	**Kniežová, J., Hrkút, P.: UML-Based Modeling for Effective Implementation of Constraint-Type Business Rules in Software Development.** [recenzované], In: Procedia Computer Science, 257, pp. 1060–10662025, The15th International Symposium on Frontiers in Ambient and Mobile Systems (FAMS)
3.	**Lokshina, I.,Kniežová, J. , Lanting, C.: On building users Initial trust in autonomous vehicles,** [elektronický dokument], Lit.: 16 zázn., In: 12th international conference on emerging ubiquitous systems and pervasive networks / 11th international conference on current and future trends of information and communication technologies in healthcare [elektronický dokument]. - [Amsterdam] :Elsevier, 2022. - S. 7-14 [online], Edícia: (Procedia computer science, ISSN 1877-0509 ; Volume 198 ; SJR 2022 = 0,507 ; SNIP 2022 = 0,885 ; CiteScore 2022 = 4), [International conference on emerging ubiquitous systems and pervasive networks. 12, Leuven, 01.11.2021 - 04.11.2021] príspevok z podujatia konferenčný príspevok, URL: https://doi.org/10.1016/j.procs.2021.12.205
4.	**Kniežová, J., Hrkút, P.: Selecting a Software Development Methodology Based on a Team's SWOT Analysis.** [recenzované], In: Lecture Notes in Networks and Systems, 1414 LNNS, pp. 489–499　　　2025, ISSN: 2367-3370, eISSN: 2367-3389, ISBN: 978-981-96-6431-3, e-ISBN: 978-981-96-6432-0
5.	**Kniežová, J.: Some aspects of agile approach in praxis,** Lit. 9 zázn. , In: CBU international conference proceedings 2015 : Innovations in science and education. - Praha : Central Bohemia University, 2015. - S. 356-363. - ISBN 978-80-88042-00-6, [Innovations in science and education :

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	international conference. Praha, 25.-27.3.2015], URL: http://cbuic.cz/wp-content/uploads/2014/12/Conference-Proceedings-2015.pdf
VI.3 The most significant research/other outputs over the last six years (maximum of five)	
1.	**Lokshina, I., Kniežová, J.,Lanting, C: On building users initial trust in autonomous vehicles** [elektronický dokument] Lit.: 16 zázn. In: 12th international conference on emerging ubiquitous systems and pervasive networks / 11th international conference on current and future trends of information and communication technologies in healthcare [elektronický dokument]. - [Amsterdam] :Elsevier, 2022. - S. 7-14 [online] Edícia: (Procedia computer science, ISSN 1877-0509 ; Volume 198 ; SJR 2022 = 0,507 ; SNIP 2022 = 0,885 ; CiteScore 2022 = 4), [International conference on emerging ubiquitous systems and pervasive networks. 12, Leuven, 01.11.2021 - 04.11.2021] príspevok z podujatia konferenčný príspevok, URL: https://doi.org/10.1016/j.procs.2021.12.205
2.	**Kniežová, J., Hrkút, P., Kršák, E.: Data Pseudonymization in the Generative Artificial Intelligence Environment.** - [recenzované], In: Conference of Open Innovation Association Fruct, pp. 116–121, 2025, Open Innovation Association FRUCT, ISSN: 2305-7254, e-ISSN: 2343-0737, ISBN: 978-952-65246-3-4
3.	**Kniežová, J., Hrkút, P.: UML-Based Modeling for Effective Implementation of Constraint-Type Business Rules in Software Development.** [recenzované], In: Procedia Computer Science, 257, pp. 1060–1066 2025, The15th International Symposium on Frontiers in Ambient and Mobile Systems (FAMS)
4.	**Kniežová, J., Hrkút, P.: Selecting a Software Development Methodology Based on a Team's SWOT Analysis.** [recenzované], In: Lecture Notes in Networks and Systems, 1414 LNNS, pp. 489–499 2025, ISSN: 2367-3370, eISSN: 2367-3389, ISBN: 978-981-96-6431-3, e-ISBN: 978-981-96-6432-0
5.	**Kniežová, J., Šarlina, I: Comparison of smart city strategies in selected cities Bratislava and Vienna** [elektronický dokument], Lit.: 10 zázn., In: CER Comparative European Research 2022 [elektronický dokument] : proceedings - research track of the 17th Biannual CER Comparative European Research Conference : Roč. 9, č. 1. - Londýn : Sciemcee Publishing, 2022. - S. 82-84 [CD-ROM]. - ISBN978-1-7399378-1-2 ,[Biannual CER Comparative European research conference. 17, Londýn, 25.04.2022 - 27.04.2022], príspevok z podujatia konferenčný príspevok., https://www.sciemcee.org/library/proceedings/cer/cer2022_proceedings01.pdf
VI.4 The most significant citations corresponding to the research/other outputs (maximum of five)	
1.	**Ozorovský, V., Vojteková, I.,Bandura, P., Borovský, J., Capíková, S., Földesová-Motajová, Z., Glasa, J., Glasová, H., Hlava, P., Chandogová, E., Kniežová, J, Kostičová, M, Štofko, J, Tesař, T.,Trizuljaková, J.,Veselská, M., Žiaran, S.: Zdravotnícky manažment a financovanie**. - 1. vyd. - Bratislava : Wolters Kluwer, 2016. - 344 s. ISBN 978-80-8168-522-4 Citation: [o1] 2017 ~ Stefko, R. - Jencova, S. - Litavcova E. - Vasanicova, P.: Polish Journal of Management Studis, vol. 16, no. 2, 2017, s. 266-277 -- SCI ; SCOPUS
2.	**Ozorovský, V., Vojteková, I.,Bandura, P., Borovský, J., Capíková, S., Földesová-Motajová, Z., Glasa, J., Glasová, H., Hlava, P., Chandogová, E., Kniežová, J, Kostičová, M, Štofko, J, Tesař, T.,Trizuljaková, J.,Veselská, M., Žiaran, S.: Zdravotnícky manažment a financovanie**. - 1. vyd. - Bratislava : Wolters Kluwer, 2016. - 344 s. ISBN 978-80-8168-522-4 Citation: [o1] 2018 ~ Rajiani, I. - Bačík, R. - Fedorko, R. - Rigelský, M. - Szczepańska-Woszczyna, K.: Polish Journal of Management Studies, vol. 17, no. 1, 2018, s. 194-208 -- SCI ; SCOPUS
3.	**Kniežová, J., Závodný, P. (Recenzent), Praženka, D. (Recenzent): Metódy v softvérovom inžinierstv**e [textový dokument (print)] . – 1 vyd. – Bratislava (Slovensko) : Ekonomická univerzita v Bratislave. Celouniverzitné pracovisko EUBA. Vydavateľstvo EKONÓM, 2009. – 150 s. – ISBN 978-80-225-2696-8

		Citation: Tavač, Marek - Tavač, Viliam. The general algorithm for the design of the MDA transformation models. Conference Proceedings Citation Index – Science N/A In: 2013 Fifth international conference on computational intelligence, communication systems and networks CICSyN 2013. Piscataway, NJ: Institute of Electrical and Electronics Engineers, 2013. - WOS CC, s. 176
4.		**Kniežová, J., Závodný, P. (Recenzent), Praženka, D. (Recenzent): Metódy v softvérovom inžinierstve** [textový dokument (print)] . – 1 vyd. – Bratislava (Slovensko) : Ekonomická univerzita v Bratislave. Celouniverzitné pracovisko EUBA. Vydavateľstvo EKONÓM, 2009. – 150 s. – ISBN 978-80-225-2696-8 Citation: Kršák, Emil - Hrkút, Patrik - Vestenický, Peter. Technical infrastructure for monitoring the transportation of oversized and dangerous goods In: FEDCSIS - Proceedings of the Federated Conference on Computer Science and Information Systems. Piscatawey: Institute of Electrical and Electronics Engineers, 2012, s. 797-802. ISBN 978-83-60810-51-4. - SCO ; WOS CC, s. 829
5.		**Kniežová, Jaroslava: Chosen aspects of the management of agile project. In: Digital Science Magazine** [elektronický dokument] : recenzovaný vedecký elektronický časopis. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave. Fakulta managementu UK. Katedra informačných systémov. – ISSN (online) 1339-3782. – Roč. 2, č. 4 (2013), [online] Citation: [Karovič, V. - Múčková, O. Manažment v 21. storočí: problémy a východiská, Ako podporiť podnikanie: Malé a stredné podniky ako piliere ekonomického rastu [textový dokument (print)] . Trenčín: Vysoká škola manažmentu CityUniversity of Seatle, 2014. 1 vyd., s. 230

VI.4A The most significant citations corresponding to the research/other outputs over the last six years (maximum of five)		
1.		**Lokshina, I., Kniežová, J., Lanting, C.: On building users initial trust in autonomous vehicles.** – text. – DOI 10.1016/j.procs.2021.12.205. In: 12th international conference on emerging ubiquitous systems and pervasive networks / 11th international conference on current and future trends of information and communication technologies in healthcare [elektronický dokument] / Shakshuki, Elhadi [Zostavovateľ, editor] ; Yasar, Ansar [Zostavovateľ, editor]. – [recenzované]. – 1. vyd. – [Amsterdam] (Holandsko) : Elsevier, 2022. – (Procedia computer science, ISSN 1877-0509 ; Volume 198), s. 7-14 [online], International conference on emerging ubiquitous systems and pervasive networks, 12 [Leuven, Belgicko, 01.11.2021-04.11.2021] Citation: 2024 [01/20] / USA - Amrollahi, Alireza - Kummer, Tyge F. - Rajaeian, Mehdi - Hadinejad, Arghavan. Trust dynamics in sharing economy services during a crisis [elektronický dokument]: a comparison between Airbnb and Uber. DOI 10.1002/jtr.2676 In: International Journal of Tourism Research. New York: John Wiley & Sons, 2024, Roč. 26, č. 4, s. 1-18 [tlačená forma] [online]. ISSN 1099-2340. ISSN (online) 1522-1970. - SCO ; WOS CC ; SSCI, s. 1 - 18
2.		**Lokshina, I., Kniežová, J., Lanting, C.: On building users initial trust in autonomous vehicles.** – text. – DOI 10.1016/j.procs.2021.12.205. In: 12th international conference on emerging ubiquitous systems and pervasive networks / 11th international conference on current and future trends of information and communication technologies in healthcare [elektronický dokument] / Shakshuki, Elhadi [Zostavovateľ, editor] ; Yasar, Ansar [Zostavovateľ, editor]. – [recenzované]. – 1. vyd. – [Amsterdam] (Holandsko) : Elsevier, 2022. – (Procedia computer science, ISSN 1877-0509 ; Volume 198), s. 7-14 [online], International conference on emerging ubiquitous systems and pervasive networks, 12 [Leuven, Belgicko, 01.11.2021-04.11.2021] Citation: 2024 [01/20] / GBR - Zhou, Siyuan - Sun, Xu - Wang, Qingfeng - Liu, Bingjian - Burnett, Gary. Development of a measurement instrument for pedestrians' initial trust in automated vehicles [elektronický dokument]. DOI 10.1016/j.ijhcs.2024.103344 In: International Journal of Human-Computer Studies. Amsterdam: Elsevier, 2024, Roč. 191, art.no. [103344], s. 1-15 [tlačená forma] [online]. ISSN 1071-5819. ISSN (online) 1095-9300. - SCO ; WOS CC ; SSCI ; SCIE, s. 1 - 15
3.		**Lokshina, I., Kniežová, J., Lanting, C.: On building users initial trust in autonomous vehicles.** – text. – DOI 10.1016/j.procs.2021.12.205. In: 12th international conference on emerging ubiquitous systems and pervasive networks / 11th international conference on current and future trends of information and communication technologies in healthcare [elektronický dokument] / Shakshuki, Elhadi [Zostavovateľ, editor] ; Yasar, Ansar [Zostavovateľ, editor]. – [recenzované]. – 1. vyd. – [Amsterdam] (Holandsko) : Elsevier, 2022. – (Procedia computer science, ISSN 1877-0509 ; Volume 198), s. 7-14 [online], International conference on emerging ubiquitous systems and pervasive

	networks, 12 [Leuven, Belgicko, 01.11.2021-04.11.2021] Citation: 2023 [01/20] / USA - Levy, Meira - Pauzner, Michal - Rosenblum, Sara - Peleg, Mor. Achieving trust in health-behavior-change artificial intelligence apps (HBC-AIApp) development [elektronický dokument]: a multi-perspective guide. DOI 10.1016/j.jbi.2023.104414 In: Journal of biomedical informatics. San Diego: Elsevier, 2023, Roč. 143, s. 1-17 [tlačená forma] [online]. ISSN 1532-0464. ISSN (online) 1532-0480. - SCO ; WOS CC ; SCIE, s. 1 - 17
4.	**Murtaza, A. Iwendi, C., Kniežová, J., Noble, A.: Analysis on security-related concerns of unmanned aerial vehicle: attacks, limitations, and recommendations**. – text. – [recenzované]. – DOI 10.3934/mbe.2022121. – SCO ; WOS CC ; SCIE. In: Mathematical Biosciences and Engineering [textový dokument (print)] [elektronický dokument] . – Springfield (USA) : American Institute of Mathematical Sciences. – ISSN 1547-1063. – ISSN (online) 1551-0018. – Roč. 19, č. 3 (2022), s. 2641-2670 [tlačená forma] [online] Citation: 2025 [01/20] / NLD - Albaluchi, Yousaf - Fu, Biying - Damer, Naser - Ramachandra, Raghavendra - Raja, Kiran. UAV-based person re-identification: a survey of UAV datasets, approaches, and challenges. DOI 10.1016/j.cviu.2024.104261 In: Computer Vision and Image Understanding. Amsterdam: Elsevier, 2025, Roč. 251, art. no. 104261, s. 1-19 [tlačená forma]. ISSN 1077-3142. - WOS CC ; SCIE ; CCC ; SCO, s. 1 - 19
5.	**Murtaza, A. Iwendi, C., Kniežová, J., Noble, A.: Analysis on security-related concerns of unmanned aerial vehicle: attacks, limitations, and recommendations**. – text. – [recenzované]. – DOI 10.3934/mbe.2022121. – SCO ; WOS CC ; SCIE. In: Mathematical Biosciences and Engineering [textový dokument (print)] [elektronický dokument] . – Springfield (USA) : American Institute of Mathematical Sciences. – ISSN 1547-1063. – ISSN (online) 1551-0018. – Roč. 19, č. 3 (2022), s. 2641-2670 [tlačená forma] [online] Citation: 2024 [01/20] / USA - Mykytyn, Pavlo - Brzozowski, Marcin - Dyka, Zoya - Langendoerfer, Peter. A survey on sensor- and communication-based issues of autonomous UAVs [elektronický dokument]. DOI 10.32604/cmes.2023.029075 In: Computer modeling in engineering & sciences. Henderson: Tech Science Press, 2024, Roč. 138, č. 2, s. 1019-1050 [tlačená forma] [online]. ISSN 1526-1492. ISSN (online) 1526-1506. - WOS CC ; SCIE ; CCC, s. 1046

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.	**KEGA** č. 3/5126/07 *Návrh študijného programu pre druhý a tretí stupeň študijného odboru Hospodárska informatika (Study program proposal for the second and third level of the study field of Economic Informatics)* Project Manager: prof. Ing. Peter Závodný, CSc. Members: Ing. Igor Bandurič, Ing. Magdaléna Cárachová, Ing. Michal Grell, PhD., Ing. Jaroslava Kniežová, PhD., doc. Ing. Anna Kvietková, PhD., RNDr. Eva Rakovská, Ing. Roman Russev, PhD., RNDr. Jozef Stašák, PhD., Ing. Hana Trochanová
2	**VEGA** *č. 1/0503/03 Obchodné služby, ich úloha a prínos do ekonomiky Slovenska a jej konkurencieschopnosti v etape integrácie do EÚ trhu. (Business services, their role and contribution to the economy of Slovakia and its competitiveness in the stage of integration into the EU market.)* Project Manager: doc. Ing. Valéria Michalová, CSc. Departure Members: prof. Ing. Stojan Russev, PhD. (Project Representative), Ing. Michal Grell, PhD., Ing. Jaroslava Kniežová, PhD., Ing. Irena Bačová
3	**VEGA** č. 1/3125/06 Tvorba metodologických základov pre vývoj moderných informačných systémov v ekonomických objektoch (Creation of methodological foundations for the development of modern information systems in economic objects) Project Manager: prof. Ing. Stojan Russev, PhD. Project Representative: Ing. Jaroslava Kniežová, PhD.

	Members: Ing. Roman Russev, PhD., RNDr. Ľubomír Turňa, PhD., Ing. Jaroslav Kultán, PhD., Ing. Dušan Markuška, Ing. Vladislav Mlynčár
4	**NFP z výzvy OPV-2012/4.2/04-SORO - Podpora zlepšenia kvality vysokých škôl a Slovenskej akadémie vied v Bratislavskom kraji, Priorita/Opatrenie: Prioritná os 4 / Opatrenie 4.2** Project Name: Creation of Study Program MPH (Master of Public Health) at Comenius University in English language Project members from Comenius University: Faculty of Medicine, Faculty of Law, Faculty of Management, Faculty of Mathematics Physics and Informatics, Experts from Public Health Project Duration: January 2013 – December 2014

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
Contact Person and Cooperation Coordinator	Oracle Academy	2010-2017
Secretary of Professional Commission	Comenius University, Faculty of Management	2021-2024

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 study field "Security Sciences".

IX.2 Other activities