

**Zverejnenie výsledku výberového konania zo dňa 01.12 2025
v zmysle zákona 131/2002 Z. z. o vysokých školách v znení neskorších predpisov
na obsadenie jedného pracovného miesta vysokoškolského učiteľa na funkčnom mieste docent,
ktorý bude pôsobiť v študijnom odbore informatika na Katedre informačných sietí
Fakulty riadenia a informatiky Žilinskej univerzity v Žiline
(VK č. 23742/2025)**

a) Výberová komisia:

1. prof. Ing. Emil Kršák, PhD.
2. prof. Ing. Ľudmila Jánošíková, PhD.
3. prof. Ing. Pavel Segeč, PhD.
4. Ing. Zuzana Staníková, PhD.
5. doc. Ing. Jarmila Škrinárová, PhD.

b) Údaje úspešného uchádzača v rozsahu:

Údaje uchádzača na obsadenie pracovného miesta vysokoškolského učiteľa na funkčnom mieste docent, na Katedre informačných sietí Fakulty riadenia a informatiky Žilinskej univerzity v Žiline v zmysle § 76 ods. 9 písm. a) zákona o vysokých školách

Meno a priezvisko	Marek Moravčík
Rodné priezvisko	Moravčík
Akademický titul, vedecko-pedagogický titul alebo umelecko-pedagogický titul a vedecká hodnosť	doc. Ing. PhD.
Rok a miesto narodenia	1991, Liptovský Mikuláš
Vysokoškolské vzdelanie a ďalší akademický rast	2010 – 2013 – Bakalárske štúdium FRI UNIZA, Program: Informatika, Odbor: Informatika 2013 – 2015 – Inžinierske štúdium FRI UNIZA, Program: Aplikovaná informatika, Odbor: Aplikované sieťové inžinierstvo 2015 – 2018 – Doktorandské štúdium FRI UNIZA, Program: Aplikovaná informatika, Odbor: 9.2.9 Aplikovaná informatika
Ďalšie vzdelávanie	2015 – Certifikácia Cisco CCNA #CSCO12878752 2016 - Certifikácia Cisco inštruktor trénera 2019 – Certifikácia ECDL skúšobného komisára ID: SKT0514 2019 – Certifikácia ECDL ID: SKP001770

	2019 – Certifikácia AWS Cloud Practitioner #QTKZ3FTD2EQKW3 2020 – Certifikácia Cisco CCNP ENARSI #CSCO12878752 2022 – Certifikácia MikroTik MTCNA #2207NA7790 2022 – Certifikácia Linux Essentials 2023 – Certifikácia Cisco CCPN ENCORE #CSCO12878752 2023 – Certifikácia Cisco CCNP Enterprise #CSCO12878752 2023 – Certifikácia Stormshield CSNA 2023 – Certifikácia Stormshield CSNE 2023 – Certifikácia Stormshield CSNAI 2022 – 2023 – Doplnkové pedagogické štúdium – Základný modul, FHV UNIZA
Priebeh zamestnaní	2018 – súčasnosť – Odborný asistent, FRI UNIZA 2019 - 2020 UVP UNIZA – Výskumný zamestnanec 2023 – súčasnosť – BrainIT, s.r.o
Priebeh pedagogickej činnosti (pracovisko/predmety)	Počítačové siete 1 – FRI UNIZA - Cvičenia 2018 – 2020 Počítačové siete 2 – FRI UNIZA - Cvičenia 2017 – doteraz - Vybrané témy prednášok 2018 – doteraz Počítačové siete 3 – FRI UNIZA - Cvičenia 2015 – doteraz - Vybrané témy prednášok 2015 – doteraz Sieťové operačné systémy – FRI UNIZA - Cvičenia 2015 – doteraz - Vybrané témy prednášok 2015 – doteraz Integrácia sietí (VaCT 2) – FRI UNIZA

	- Cvičenia 2017 – doteraz - Vybrané témy prednášok 2017 – doteraz Projektovanie sietí 1 – FRI UNIZA - Cvičenia 2019 – doteraz - Vybrané témy prednášok 2019 – doteraz Projektovanie sietí 2 – FRI UNIZA - Cvičenia 2019 – doteraz - Vybrané témy prednášok 2019 – doteraz Python v sieťových aplikáciách – FRI UNIZA - Cvičenia 2021 – doteraz - Vybrané témy prednášok 2021 – doteraz Virtualizačné a cloudové technológie – FRI UNIZA - Cvičenia 2022 – doteraz - Vybrané témy prednášok 2022 – doteraz Linux - základy – FRI UNIZA - Cvičenia 2020 – doteraz Komunikačné technológie – FRI UNIZA - Vybrané témy prednášok 2017 – doteraz Princípy IKS – FRI UNIZA - Vybrané témy prednášok 2017 – doteraz Projekt 1,2,3 – FRI UNIZA - 2015 - doteraz
Odborné alebo umelecké zameranie	Smerovanie a prepínanie v počítačových sieťach, Konvergované siete, Cloud Computing

Ohlasy na vedeckú/umeleckú prácu	ADN, J. Hrabovský, P. Segeč, P. Palúch, M. Moravčík, J. Papán: Usability of the SIP protocol within smart home solutions, in Communications: scientific letters of the University of Žilina, ISSN 1335-4205, Vol. 18, no. 1A, 2016, s. 4-12. Citované v: 1. AHN, J., LEE, I., KIM, M. Design and implementation of hardware-based remote attestation for a secure internet of things. In: Wireless Personal Communications. ISSN 0929-6212, 2020, vol. 114, iss. 1, s. 295-327.. [s.l.] : [s.n.], 2020. - WOS CC; Scopus AFD, J. Papán, P. Segeč, M. Drozdová, Ľ. Mikuš, M. Moravčík, J. Hrabovský: The IPFRR mechanism inspired by BIER algorithm, in ICETA 2016 14th IEEE international conference on Emerging eLearning technologies and applications, November 24-25,2016, Starý Smokovec, The High Tatras, Slovakia,2016, ISBN 978-1-5090-4699-7, s 257-262. Citované v: 1. IVANIGA, T., IVANIGA, P. Suppression of nonlinear XPM phenomenon by selection of appropriate transmit power levels in the DWDM system. In: International Journal of Optics. ISSN 1687-9392, 2019, art. no. 9357949, s. 1-8.. [s.l.] : [s.n.], 2019. - WOS CC; Scopus 2. IVANIGA, P., IVANIGA, T. The design of EDFA with forward pumping at the distance line in DWDM. In: Journal of Engineering Science and Technology. ISSN 1823-4690, 2019, vol. 14, iss. 2, s. 531-540.. [s.l.] : [s.n.], 2019. - WOS CC AFD, J. Papán, P. Segeč, M. Moravčík, Ľ. Mikuš, P. Palúch: The survey of current IPFRR mechanisms, in Proceedings of the 2015 federated conference on Software development and object technologies, ISBN 978-3-319-46534-0, 2017 s 244-255; Advances in intelligent systems and computing, vol. 511, ISSN 2194-5357. Citované v:
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1. MERLING, D., LINDNER, S., MENTH, M. Robust LFA protection for software-defined networks (RoLPS). In: IEEE Transactions on Network and Service Management. ISSN 1932-4537, 2022, vol. 18, iss. 3, s. 2570-2586.. [s.l.] : [s.n.], 2021. - **WOS CC; Scopus**
2. KOMAN, G., TOMAN, D., JANKAL, R., KRÚPOVÁ, S. Public transport infrastructure with electromobility elements at the smart city level to support sustainability. In: Sustainability. ISSN 2071-1050, 2024, vol. 16, iss. 3, art. no. 1091, s. 1-25.. [s.l.] : [s.n.], 2024. - **WOS CC; Scopus**

AFD, **M. Moravčík**, P. Segeč, J. Papán, J. Hrabovský: Overview of cloud computing and portability problems, in ICETA 2017 15th IEEE international conference on Emerging eLearning technologies and applications, November 26-27, 2017, Starý Smokovec, The High Tatras, Slovakia, 2017, ISBN 978-1-5386-3296-3, s 313-318.

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1. GOYAL, A., GARG, R., BHATIA, K. K. Models and challenges categorization in cloud computing. In: 5th International Conference on Computing Sciences, ICCS 2021. Danvers : IEEE, 2021. ISBN 978-166549445-8, s. 34-37.. [s.l.] : [s.n.], 2021. - **Scopus; WOS CC**

AFD, **M. Moravčík**, P. Segeč, J. Uramová, M. Kontšek: Teaching cloud computing in cloud computing, in ICETA 2017 15th IEEE international conference on Emerging eLearning technologies and applications, November 26-27, 2017, Starý Smokovec, The High Tatras, Slovakia, 2017, ISBN 978-1-5386-3296-3, s 319-324.

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1. WU, W., PLAKHTII, A. E-learning based on cloud computing. In: International Journal of Emerging Technologies in Learning. ISSN 1868-8799, 2021, vol. 16, iss. 10, s. 4-17.. [s.l.] : [s.n.], 2021. - **WOS CC; Scopus**

AFD, P. Segeč, **M. Moravčík**, J. Hrabovský, J. Papán, J. Uramová: Securing SIP infrastructures with PKI — The analysis, in ICETA 2017 15th IEEE international conference on Emerging eLearning technologies and applications, November 26-27, 2017, Starý Smokovec, The High Tatras, Slovakia, 2017, ISBN 978-1-5386-3296-3, s 405-412.

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AFD, J. Hrabovský, P. Segeč, **M. Moravčík**, J. Papán: Trends in application of machine learning to network-based intrusion detection systems, in 18th International Conference on Innovations for Community Services, Zilina, ISBN: 978-331993407-5, s. 218-228, 2018.

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1. HAJTMANEK, R., KONTŠEK, M., SMIEŠKO, J., URAMOVÁ, J. One-parameter statistical methods to recognize DDoS attacks [elektronický dokument]. DOI 10.3390/sym14112388 In: Symmetry. Bazilej: Multidisciplinary Digital Publishing Institute, 2022, Roč. 14, č. 11, s. [1-25] [online]. ISSN (online) 2073-8994. - **CCC; WOS CC; Scopus**, [1 - 25]

AFD, **M. Moravčík**, P. Segeč, M. Kontšek: Overview of cloud computing standards, in ICETA 2018 16th IEEE international conference on Emerging eLearning technologies and applications, November 15-16, 2018, Starý Smokovec, The High Tatras, Slovakia, 2018, ISBN 978-1-5386-7914-2, s 395-402.

Citované v:

1. HOLUBČÍK, M., KOMAN, G., SOVIAR, J. Industry 4.0 in logistics operations. DOI 10.1016/j.trpro.2021.02.040 In: Horizons of Railway Transport 2020: proceeding book. Amsterdam: Elsevier, 2021, s. 282-288 [online]. ISSN 2352-1465. - **Scopus; WOS CC**, 282 – 288
2. BLANCO, D. F., LE MOUEL, F., LIN, T., ESCUDIE, M.-P. A comprehensive survey on software as a service (SaaS) transformation for the automotive systems [elektronický dokument]. DOI 10.1109/ACCESS.2023.3294256 In: IEEE access: practical innovations, open solutions. Piscataway : Institute of Electrical and Electronics Engineers, 2023, Roč. 11, s. 73688-73753 [online]. ISSN (online) 2169-3536. - **WOS CC; SCIE; CCC; Scopus**, 73688 – 73753

3. ALSHAIKH, O., PARKINSON, S., KHAN, S. Exploring perceptions of decision-makers and specialists in defensive machine learning cybersecurity applications: the need for a standardised approach. DOI 10.1016/j.cose.2023.103694 In: Computers & Security: the international journal devoted to the study of the technical and financial aspects of computer security. Amsterdam: Elsevier, 2024, Roč. 139, art. no. 103694 [tlačená forma]. ISSN 0167-4048. - **Scopus; CCC; WOS CC**

AFD, J. Uramová, P. Segeč, **M. Moravčík**, J. Papán, M. Kontšek: Infrastructure for Generating New IDS Dataset, in ICETA 2018 16th IEEE international conference on Emerging eLearning technologies and applications, November 15-16, 2018, Starý Smokovec, The High Tatras, Slovakia, 2018, ISBN 978-1-5386-7914-2, s 603-610.

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2. CHEN, H., YUAN, B., ZOU, D., JIN, H. A fuzzing-based method for testing rules in intrusion detection systems in 6G networks [elektronický dokument]. DOI 10.1109/MNET.002.2100655 In: IEEE Network. [s.l.]: Institute of Electrical and Electronics Engineers, 2022, Roč. 36, č. 4, s. 150-158 [online]. ISSN 0890-8044. ISSN (online) 1558-156X. - **Scopus; CCC; WOS CC, 150 – 158**

AFD, J. Papán, P. Segeč, **M. Moravčík**, M. Kontšek, Ľ. Mikuš, J. Uramová: Overview of IP Fast Reroute Solutions, in ICETA 2018 16th IEEE international conference on Emerging eLearning technologies and applications, November 15-16, 2018, Starý Smokovec, The High Tatras, Slovakia, 2018, ISBN 978-1-5386-7914-2, s 417-424.

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2. ROZIC, C., SASAKI, G. Optical protection cost of loop free alternates on completely connected ip networks over optical rings [elektronický dokument]. DOI 10.1109/TNET.2021.3061515 In: IEEE/ACM Transactions on Networking. Piscataway : Institute of Electrical and Electronics Engineers, 2021, Roč. 29, č. 3, art. no. 9366978 , s. 1116-1127 [tlačená forma] [online]. ISSN 1063-6692. ISSN (online) 1558-2566. - **Scopus; CCC; WOS CC**, 1116 – 1127
3. XU, M., FENG, T., GAO, X., JIANG, S., QI, S., YANG, Z. P-LFA [elektronický dokument]: a novel LFA-based percolation fast rerouting mechanism. DOI 10.1007/978-3-031-19214-2_47 In: 17th International Conference on Wireless Algorithms, Systems, and Applications: WASA 2022: Proceedings. Berlín: Springer Nature. Springer Science+Business Media, 2022, s. 557-571 [tlačená forma] [online]. ISBN 978-3-031-19213-5. ISBN (online) 978-3-031-19214-2. - **Scopus; WOS CC**, 557 – 571
4. LI, P., ZHANG, D., WANG, X., YI, B., HUANG, M. A service customized reliable routing mechanism based on SRv6 [elektronický dokument]. DOI 10.1007/978-3-031-19211-1_27 In: 17th International Conference on Wireless Algorithms, Systems, and Applications: WASA 2022:

	Proceedings. Berlín: Springer Nature. Springer Science+Business Media, 2022, s. 321-332 [tlačená forma] [online]. ISBN 978-3-031-19213-5. ISBN (online) 978-3-031-19214-2. - Scopus; WOS CC, 321 – 332 5. ZHANG, Z., ZHAO, K., LI, W., FANG, Y. Fast recovery from multiple link failures in LEO satellite networks. DOI 10.1109/PIMRC56721.2023.10293817 In: IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC. Danvers: Institute of Electrical and Electronics Engineers, 2023, s. [1-6] [online]. ISBN 9781665464833. - Scopus; WOS CC, [1 - 6] AFD, M. Drozdová, I. Brídová, J. Uramová, M. Moravčík: Private cloud security architecture, in ICETA 2020 18th IEEE international conference on Emerging eLearning technologies and applications, November 12-13, 2020, Virtual Conference - Technical University of Košice, Slovakia, ISBN 978-0-7381-2366-0, pp 84-89, 2020. Citované v: 1. HROMADOVÁ, V., BRÍDA, P., JARINA, R., MACHAJ, J. Feasibility of RSS measurements for smartphone-based indoor acoustic localization [elektronický dokument]. DOI 10.1007/978-3-031-16014-1_65 In: Computational collective intelligence: proceedings. Cham: Springer Nature, 2022, s. 823-835 [tlačená forma] [online]. ISBN 978-3-031-16013-4. ISBN (online) 978-3-031-16014-1. - Scopus; WOS CC, 823 - 835 AFD, M. Moravčík, M. Kontšek: Overview of Docker container orchestration tools, in ICETA 2020 18th IEEE international conference on Emerging eLearning technologies and applications, November 12-13, 2020, Virtual Conference - Technical University of Košice, Slovakia, ISBN 978-0-7381-2366-0, pp 475-480, 2020. Citované v:
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2. ŠIMON, M., HURAJ, L., BÚČIK, N. A Comparative Analysis of High Availability for Linux Container Infrastructures [elektronický dokument]. DOI 10.3390/fi15080253 In: Future Internet. Basel: Multidisciplinary Digital Publishing Institute, 2023, Roč. 15, č. 8, art. no. 253, s. [1-19] [online]. ISSN (online) 1999-5903. - **Scopus; WOS CC**, 1 – 19

AFD, M. Moravčík, P. Segeč, M. Kontšek, J. Uramová, J. Papán: Comparison of LXC and Docker Technologies, in ICETA 2020 18th IEEE international conference on Emerging eLearning technologies and applications, November 12-13, 2020, Virtual Conference - Technical University of Košice, Slovakia, ISBN 978-0-7381-2366-0, pp 481-486, 2020.

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1. KARAGIANNIS, S., NTANTOGIAN, C., MAGKOS, E., RIBEIRO, L. L., CAMPOS, L. PocketCTF [elektronický dokument]: a fully featured approach for hosting portable attack and defense cybersecurity exercises. DOI 10.3390/info12080318 In: Information. Bazilej: Multidisciplinary Digital Publishing Institute, 2021, Roč. 12, č. 8, art. no. 012005 [online]. ISSN (online) 2078-2489. - **Scopus; WOS CC**
2. ŠIMON, M., HURAJ, L., BÚČIK, N. A Comparative Analysis of High Availability for Linux Container Infrastructures [elektronický dokument]. DOI 10.3390/fi15080253 In: Future Internet. Basel: Multidisciplinary Digital Publishing Institute, 2023, Roč. 15, č. 8, art. no. 253, s. [1-19] [online]. ISSN (online) 1999-5903. - **Scopus; WOS CC**, 1 – 19

3. GONZALEZ, L. F., VIDAL, I., VALERA, F., MARTIN, R., ARTALEJO, D. A link-layer virtual networking solution for cloud-native network function virtualisation ecosystems [elektronický dokument]: L2S-M. DOI 10.3390/fi15080274 In: Future Internet. Basel: Multidisciplinary Digital Publishing Institute, 2023, Roč. 15, č. 8, art. no. 274, s. [1-28] [online]. ISSN (online) 1999-5903. - **Scopus; WOS CC**, [1 - 28]
4. V S, D. P., CHAKKARAVARTHY SETHURAMAN, S., KHAN, M. K. Container security: precaution levels, mitigation strategies, and research perspectives. DOI 10.1016/j.cose.2023.103490 In: Computers & Security: the international journal devoted to the study of the technical and financial aspects of computer security. Amsterdam: Elsevier, 2023, Roč. 135, art. no. 103490, s. [1-26] [tlačená forma]. ISSN 0167-4048. - **Scopus; WOS CC**, [1 - 26]

AFD, P. Segeč, **M. Moravčík**, J. Uramová, J. Papán, O. Yeremenko: SD-WAN – architecture, functions and benefits, in ICETA 2020 18th IEEE international conference on Emerging eLearning technologies and applications, November 12-13, 2020, Virtual Conference - Technical University of Košice, Slovakia, ISBN 978-0-7381-2366-0, pp 593-599, 2020.

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2. PRIETO, Y., FIGUEROA, M., PEZOA, J. E. Guaranteeing network reliability to 0-day exploits using cost-effective heterogeneous node migration [elektronický dokument]. DOI 10.1109/ACCESS.2022.3215675 In: IEEE access: practical innovations, open solutions. Piscataway : Institute of Electrical and Electronics Engineers, 2022, Roč. 10, s. 111153-111170 [online]. ISSN (online) 2169-3536. - **Scopus; CCC; WOS CC**, 111153 – 111170
3. RAHOUTI, M., XIONG, K., XIN, Y., JAGATHEESAPERUMAL, S. K., AYYASH, M., SHAHEED, M. SDN security review [elektronický dokument]: threat taxonomy, implications, and open challenges. DOI 10.1109/ACCESS.2022.3168972 In: IEEE access: practical innovations, open solutions. Piscataway : Institute of Electrical and Electronics Engineers, 2022, Roč. 10, s. 45820-45854 [online]. ISSN (online) 2169-3536. - **Scopus; CCC; WOS CC**, 45820 – 45854
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5. JURČ, J., KONTSEK, M., STERBAK, M. Information systems of virtual laboratories and their development. In: ICETA 2021 - 19th IEEE International Conference on Emerging eLearning Technologies and Applications, Proceedings. Danvers : IEEE, 2021. ISBN 9781665421027, s. 144-149.. [s.l.] : [s.n.], 2021. – **Scopus**

ADN, J. Hrabovský, P. Segeč, P. Palúch, **M. Moravčík**, J. Papán: Usability of the SIP protocol within smart home solutions, in Communications: scientific letters of the University of Žilina, ISSN 1335-4205, Vol. 18, no. 1A, 2016, s. 4-12.

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Počet doktorandov, ktorým je alebo bol školiťom	0

b) Názov študijného odboru, v ktorom má vybraný uchádzač pôsobiť: informatika

c) Počet uchádzačov: 1

V Žiline dňa 02.12.2025

č. 26470/2025

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