



**Zverejnenie výsledku výberového konania zo dňa 06.05.2025
v zmysle zákona 131/2002 Z. z. o vysokých školách v znení neskorších predpisov na obsadenie jedného miesta
vysokoškolského učiteľa na funkčnom mieste odborný asistent,
ktorý bude pôsobiť v študijných odboroch informatika a ekonómia a manažment
na Katedre matematických metód a operačnej analýzy Fakulty riadenia a informatiky
Žilinskej univerzity v Žiline**

a) Výberová komisia:

1. prof. Ing. Emil Kršák, PhD.
2. doc. Ing. Miroslav Kvaščay, PhD.
3. doc. Ing. Viliam Lendel, PhD.
4. prof. Ing. Ľudmila Jánošíková, PhD.
5. prof. Ing. Pavel Segeč, PhD.

b)

Údaje uchádzača na obsadenie pracovného miesta vysokoškolského učiteľa na funkčné miesto odborný asistent na Katedru matematických metód a operačnej analýzy Žilinskej univerzity v Žiline v zmysle § 76 ods. 9 písm. a) zákona o vysokých školách

meno, priezvisko, rodné priezvisko	Zuzana Borčinová, rod. Mrázová
akademické tituly, vedecko- pedagogické tituly,	RNDr./PhD.



umelecko- pedagogické tituly, vedecké hodnosti,	
rok narodenia	1963
údaje o vysokoškolskom vzdelaní, ďalšom akademickom raste a absolvovanom ďalšom vzdelávaní,	2015 – 2019 3. stupeň vysokoškolského vzdelania – PhD. Žilinská univerzita v Žiline, Fakulta riadenia a informatiky, Žilina Študijný odbor aplikovaná informatika
	1987 – 1989 Rozširujúce štúdium Univerzita Komenského, Matematicko-fyzikálna fakulta, Bratislava Odbor učiteľstvo všeobecno-vzdelávacích predmetov informatika
	1981 – 1986 2. stupeň vysokoškolského vzdelania – RNDr. Univerzita Komenského, Matematicko-fyzikálna fakulta, Bratislava Odbor učiteľstvo všeobecno-vzdelávacích predmetov matematika, fyzika



údaje o priebehu zamestnaní a priebehu pedagogickej činnosti,	2013 – doteraz Vysokoškolský učiteľ Žilinská univerzita v Žiline, Univerzitná 1, 010 26 Žilina Vyučovanie predmetov bakalárskeho štúdia v odbore informatika Výskum v oblasti modelovania a optimalizácie obslužných systémov Fakultný koordinátor pre študentov so špecifickými potrebami (od r. 2014) 1986 – 2013 Stredoškolský učiteľ Gymnázium Jozefa Cígera Hronského, Čachovský rad 36, 038 61 Vrútky Vyučovanie všeobecno-vzdelávacích predmetov matematika, fyzika, informatika Riadenie školy - pedagogický zástupca riaditeľa školy (od r. 2005)
údaje o odbornom alebo o umeleckom zameraní, údaje o publikačnej činnosti	Odborné zameranie: matematické modelovanie a operačný výskum Publikačná činnosť (za posledných 5 rokov): Uniformly deployed sets in computer science and optimisation / Czimmermann, Peter; Borčinová, Zuzana; Metaheuristics and nature inspired computing, 9 [01.11.2023-04.11.2023, Marakeš, Maroko]. – [recenzované]. DOI 10.1007/978-3-031-69257-4_2. – SCO ; WOS CC; CPCI-S. In: Metaheuristics and nature inspired computing [textový dokument (print)] [elektronický dokument] : revised selected papers – 1. vyd. – Cham (Švajčiarsko) : Springer Nature, 2024. – (Communications in Computer and Information Science, ISSN 1865-0929, ISSN 1865-0937 ; 2016). – ISBN 978-3-031-69256-7. – ISBN (elektronické)



978-3-031-69257-4, s. 21-27

Edges which are critical for emergency service systems / Borčinová, Zuzana; Czimmermann, Peter; SOR '23, 17 [20.09.2023-22.09.2023, Bled, Slovinsko]. – SCO. In: SOR '23 [elektronický dokument] : proceedings of the 17h international symposium on operational research in Slovenia – 1. vyd. –Lublana (Slovinsko) : Slovenian Society Informatika, 2023. – ISBN 978-961-6165-61-7, s. 97-100 [online]

Solving the robust vehicle routing problem using the worst feasible scenario strategy / Borčinová, Zuzana; Peško, Štefan ; International conference on Operations research and enterprise systems, 9 [22.02.2020-24.02.2020, Valletta, Malta]. – [recenzované]. – DOI 10.1007/978-3-031-10725-2_3. – SCO In: Operations research and enterprise systems [textový dokument (print)] [elektronický dokument] : revised selected papers. – 1. vyd. – Cham (Švajčiarsko) : Springer Nature, 2022. – (Communications in Computer and Information Science, ISSN 1865-0929, ISSN 1865-0937 ; 1623). – ISBN 978-3-031-10724-5. – ISBN (elektronické) 978-3-031-10725-2, s. 43-55 [tlačená forma] [online]

Kernel search for the capacitated vehicle routing problem / Borčinová, Zuzana –[recenzované]. – DOI 10.3390/app122211421. – CCC ; SCO ; WOS CC. In: Applied sciences [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2076-3417. – Roč. 12, č. 22 (2022), s. [1-11] [online]

An original two-index model of the multi-depot vehicle routing problem / Borčinová, Zuzana; Peško, Štefan ; Mathematical methods in economics, 39 [08.09.2021-10.09.2021, Praha, Česko]. – [recenzované]. – WOS CC In: 39th international conference on mathematical methods in economics [elektronický dokument] : Conference proceedings. – 1. vyd. – Praha (Česko) : Česká zemědělská univerzita v Praze, 2021. – ISBN 978-80-213-3126-6, s. 36-41 [online]

Redukcia trojindexových MIP úloh na dvojindexové v okružných úlohách = Reduction of three index MIP problems to two index ones in routing problems / Peško, Štefan; Borčinová, Zuzana; Využitie kvantitatívnych metód vo vedeckovýskumnej činnosti a v praxi, 14 [24.06.2021, Bratislava, Slovensko] In: Využitie kvantitatívnych metód vo vedeckovýskumnej činnosti a v praxi (14) [elektronický dokument]. –



	1. vyd. – Bratislava (Slovensko) : Ekonomická univerzita v Bratislave. Celouniverzitné pracovisko EUBA. Vydavateľstvo EKONÓM, 2021. – ISBN 978-80-225-4831-1, s. 88-95 [online] Two objective problems of time and capacity overloaded centers / Peško, Štefan; Borčinová, Zuzana; Mathematical methods in economics 2020, 38 [09.09.2020-11.09.2020, Brno, Česko]. – [recenzované] In: 38th international conference on mathematical methods in economics [elektronický dokument] : Conference proceedings. – 1. vyd. – Brno (Česko) : Mendelova univerzita v Brně, 2020. – ISBN 978-80-7509-734-7, s. 448-453 [online] The maximum feasible scenario approach for the capacitated vehicle routing problem with uncertain demands / Borčinová, Zuzana; Peško, Štefan; International conference on Operations research and enterprise systems, 9 [22.02.2020-24.02.2020, Valletta, Malta]. – [recenzované]. – SCO ; WOS CC In: ICORES 2020 [textový dokument (print)] : proceedings of the 9th international conference on Operations Research and enterprise systems . – 1. vyd. – [S.l.] (Portugalsko) : SciTePress, 2020. – ISBN 978-989-758-396-4. – ISSN 2184-4372, s. 159-164 [tlačená forma] [online]
ohlasy na vedeckú alebo umeleckú prácu,	(SCOPUS:2-s2.0-85149023743) 1031405: Vehicle routing optimization with cross-docking based on an artificial immune system in logistics management / Lo, Shih Che; Chuang, Ying Lin – DOI 10.3390/math11040811. – SCO. In: <i>Mathematics</i> [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2227-7390. – Roč. 11, č. 4 (2023), art. no. 811, s. [1-19] [online] (SCOPUS:2-s2.0-85201257889) 1616082: A comparative study utilizing hybridized ant colony optimization algorithms for solving dynamic capacity of vehicle routing problems in waste collection system / Sahib, Thaeer Mueen; Mohd-Mokhtar, Rosmiwati; Mohd-Kassim, Azleena – DOI 10.24036/teknomekanik.v7i1.28872. – SCO In: <i>Teknomekanik</i> [textový dokument (print)] [elektronický dokument] . – Sumatra (Indonézia) : Padang State University. – ISSN 2621-9980. – ISSN (online) 2621-8720. – Roč. 7, č. 1 (2024), s. 38-61 [tlačená forma] [online] (SCOPUS:2-s2.0-105001312507; Web of Science Core Collection:WOS:001453534100001) 1624588: Where to split in hybrid genetic search for the capacitated vehicle routing problem /



Hvattum, Lars Magnus – DOI 10.3390/a18030165. – WOS CC ; SCO. In: *Algorithms* [elektronický dokument] . – Basel (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 1999-4893. – Roč. 18, č. 3 (2025), art. no. 165, s. [1-19] [online]

(**Current Content Connect**:CCC:001379084700004; **Web of Science Core Collection**:WOS:001379084700004; **SCOPUS**:2-s2.0-85212277381) 1620958:

Multi-constraint distributed terminal distribution path planning for fresh agricultural products / Liu, Huan; Zhang, Jizhe; Dai, Yongqiang; Qin, Lijing; Zhi, Yongkun – DOI 10.1007/s10489-024-06076-8. – SCO ; CCC ; WOS CC. In: *Applied Intelligence* [textový dokument (print)] : the international journal of artificial intelligence, neural networks and complex problems - solving technologies. – New York (USA) : Springer Nature. Springer International Publishing AG. – ISSN 0924-669X. – ISSN (online) 1573-7497. – Roč. 55, č. 2 (2025), art. no. 180, s. [1-19] [tlačená forma]

(**Web of Science Core Collection**:WOS:001434285200001) 1623498: Intervention schedule optimization with travel time minimization for a value-added reseller by solving the capacitated vehicle routing problem / De Kuyffer, E.; Joseph, W.; Martens, L.; De Pessemier, T. – DOI 10.1016/j.clscn.2025.100205. – WOS CC. In: *Cleaner logistics and supply chain* [elektronický dokument] . – Amsterdam (Holandsko) : Elsevier. – ISSN 2772-3909. – Roč. 14 (2025), art. no. 100205, s. [1-9] [online]

(**KIS**:ŽU.Žilina.PC051300.3963450861) 1154909: GALKIN, A. et al. Planning the rational freight vehicle fleet utilization considering the season temperature factor. In: Sustainability. ISSN 2071-1050, 2021, vol. 13, iss. 7, art. no. 3782.. – [s.l.] : [s.n.], 2021

(**KIS**:ŽU.Žilina.PC056322.1523109717) 1617611: YULIZ, E. et al. An application of GAMS to solve robust capacitated vehicle routing problem with time. In: International Conference on Engineering and Technology 2021, SICETO 2021. Melville : American Institute of Physics, 2021. ISSN 0094-243X, art. no. 120002. (AIP Conference Proceedings, vol. 2689).. – [s.l.] : [s.n.], 2021



(KIS:ŽU.Žilina.PC056322.724238096) 1167621: DJEUNANG MEZAFACK, R. A, SIMEU-ABAZI, Z., DI MASCOLA, M. An approach for mastering Carbon Footprint in the context of Distributed Maintenance. In: 2022 International Conference on Control, Automation and Diagnosis, ICCAD 2022. Danvers : IEEE, 2022. ISBN 978-166549794-7, s. 1-7.. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.2111834203) 1167624: UYGUN, Y., RUSTEMAJ, A. Ant colony optimisation for milk-runs in manufacturing systems. In: International Journal of Advanced Operations Management. ISSN 1758-938X, 2022, vol. 14, iss. 2, s. 167-181.. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.23993080) 1167617: DEREÇI, U., KARABEKMEZ, M. E. The applications of multiple route optimization heuristics and meta-heuristic algorithms to solid waste transportation : a case study in Turkey. In: Decision Analytics Journal. ISSN 2772-6622, 2022, vol. 4, art. no. 100113.. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.2417431113) 1167620: FIGUEROA-GARCÍA, J.C., TENJO-GARCÍA, J.S., FRANCO, C. A global satisfaction degree method for fuzzy capacitated vehicle routing problems. In: Heliyon. ISSN 2405-8440, 2022, vol. 8, iss. 6, art. no. e09767.. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.1795512439) 1167618: YULIZA, E. et al. Application of the robust capacitated vehicle routing problem with time Windows model on gallon water distribution. In: 6th National Conference on Mathematics and Mathematics Education, SENATIK 2021 Semarang. Melville : AIP, 2022. ISBN 978-073544360-0, art. no. 020076. (AIP Conference Proceedings. ISSN 0094-243X. vol. 2577).. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.1766403079) 1167619: DJEUNANG MEZAFACK, R. A., SIMEU-ABAZI, Z., DI MASCOLA, M. Optimization of distributed maintenance : design, scheduling and capacitated routing problem. In: IFAC-PapersOnLine. ISSN 2405-8963, 2022, vol. 55, iss. 19, s. 139-144.. – [s.l.] : [s.n.], 2022



(KIS:ŽU.Žilina.PC056322.558794181) 1167614: GARCIA, J. C. et al. Solving capacitated vehicle routing problems with fuzzy delivery costs and fuzzy demands. In: Annual Conference of the North-American-Fuzzy-Information-Processing-Society (NAFIPS). Cham : Springer, 2022. ISBN 978-3-030-81561-5, s. 83-94. (Advances in Intelligent Systems and Computing. ISSN 2194-5357, vol. 1337).. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.439994385) 1167622: DJEUNANG MEZAFACK, R. A, SIMEU-ABAZI, Z., DI MASCOLA, M. Distributed maintenance : design, scheduling and capacitated routing problem. In: 8th International Conference on Control, Decision and Information Technologies, CoDIT 2022. Danvers : IEEE, 2022. ISBN 978-166549607-0, s. 1138-1143.. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.634458162) 1167616: HANAFI, R. et al. Genetic algorithm for capacitated vehicle routing problem to locate the emergency warehouse. In: 4th EPI International Conference on Science and Engineering, EICSE 2020. Melville : AIP, 2022. ISBN 978-073544358-7, art. no. 060016. (AIP Conference Proceedings. ISSN 0094-243X. vol. 2543).. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.4230480708) 1167628: KHAN, M., MENOUEAR, H., HAMILA, R. Drones-aided asset maintenance in hospitals. In: 2nd International Conference on Computers and Automation, CompAuto 2022. Danvers : IEEE, 2022. ISBN 978-166548194-6, s. 1-5.. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.255257410) 1167625: WEI, Z., LIANG, C., TANG, H. A cross-regional scheduling strategy of waste collection and transportation based on an improved hierarchical agglomerative clustering algorithm. In: Computational Intelligence and Neuroscience. ISSN 1687-5265, 2022, art. no. 7412611.. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.1742277249) 1167623: MAMOUN, K. A. et al. An optimisation solution



of Capacitated Vehicle Routing Problem. In: 1th International Symposium on Signal, Image, Video and Communications, ISIVC 2022. Danvers : IEEE, 2022. ISBN 978-166548724-5, s. 1-5.. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.3015128269) 1167615: AY, M. et al. A two-echelon model for the location-routing problem: distribution of Covid-19 vaccines. In: Pamukkale University Journal of Engineering Sciences-Pamukkale Universitesi Muhendislik Bilimleri Dergisi. ISSN 1300-7009, 2022, vol. 28, iss. 4, s. 559-568.. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.3314585651) 1617610: YULIZ, E. et al. Application of the robust capacitated vehicle routing problem with time Windows model on gallon water distribution. In: 6th National Conference on Mathematics and Mathematics Education, SENATIK 2021 Semarang. Melville : AIP, 2022. ISBN 978-073544360-0, art. no. 020076. (AIP Conference Proceedings. ISSN 0094-243X. vol. 2577).. – [s.l.] : [s.n.], 2022

(KIS:ŽU.Žilina.PC056322.1995111021) 1167631: IM, J., KIM, Y. Spatiotemporal VRP for collision-free multi-UAV inspection planning. In: 2023 International Conference On Unmanned Aircraft Systems, ICUAS. New York : IEEE, 2023. ISSN 2373-6720, s. 529-536.. – [s.l.] : [s.n.], 2023

(KIS:ŽU.Žilina.PC056322.2108758858) 1167633: HEENDENIYA, CH. B. et al. Exploring trade-offs in public bus electrification under stochastic conditions. In: Energy Informatics. ISSN 2520-8942, 2023, vol. 6, art. no. 35.. – [s.l.] : [s.n.], 2023

(KIS:ŽU.Žilina.PC056322.4136615624) 1167632: RAKHMETULLINA, S. et al. Development of an algorithm for solving an asymmetric routing problem based on the ant colony method. In: Cybernetics and Systems Analysis. ISSN 1060-0396, 2023, vol. 59, iss. 4, s. 526-534. – [s.l.] : [s.n.], 2023

(KIS:ŽU.Žilina.PC056322.1531781514) 1167627: SLUJIK, N. et al. Two-echelon vehicle routing problems : a literature review. In: European Journal of Operational Research. ISSN 0377-2217,



2023, vol. 304, iss. 3, s. 865-886.. – [s.l.] : [s.n.], 2023

(**KIS:**ŽU.Žilina.PC056322.2053515728) 1617613: GUISSON, R. et al. The impact of a consolidation hub on the logistics of construction materials. In: The impact of a consolidation hub on the logistics of construction materials. In: Conference Proceedings Transport Research Arena, TRA Lisbon 2022 Amsterdam : Elsevier, 2023. ISSN 2352-1457, s. 2409-2416. (Transportation Research Procedia, vol. 72).. – [s.l.] : [s.n.], 2023

(**KIS:**ŽU.Žilina.PC056322.1962835793) 1617609: BUNWIT, P., THARMMAPHORNPHILAS, W. Strategic cross-dock allocation for traffic safety products across Thailand. In: 2023 IEEE International Conference on Industrial Engineering and Engineering Management, IEEM 2023. Danvers : IEEE, 2023. ISBN 979-835032315-3, s. 480-484.. – [s.l.] : [s.n.], 2023

(**KIS:**ŽU.Žilina.PC056322.3103676273) 1167630: IM, J., LEE, B.-Y. Multi-agent inspection path planning with large-scale vehicle routing problem. In: Journal of Aerospace Information Systems ISSN 1940-3151, 2023, vol. 20, iss. 7, s. 378-386.. – [s.l.] : [s.n.], 2023

(**KIS:**ŽU.Žilina.PC056322.2960422639) 1167626: DUMEZ, D. et al. A matheuristic for a 2-echelon vehicle routing problem with capacitated satellites and reverse flows. In: European Journal of Operational Research. ISSN 0377-2217, 2023, vol. 305, iss. 1, s. 64-84.. – [s.l.] : [s.n.], 2023

(**KIS:**ŽU.Žilina.PC056322.1375840709) 1167629: DJEUNANG MEZAFACK, R. A., DI MASCOLA, M., SIMEU-ABAZI, Z. Dynamic rescheduling in the context of distributed maintenance. Danvers : IEEE, 2023. ISBN 979-8-3503-4707-4, s. 1-6.. – [s.l.] : [s.n.], 2023

(**Web of Science Core Collection:**WOS:001322875600001; **SCOPUS:**2-s2.0-85205230583) 1618116: A non-linear optimization model for the multi-depot multi-supplier vehicle routing problem with relaxed time windows / Mawengkang, Herman; Syahputra, Muhammad Romi; Sutarman, Sutarman; Salhi, Abdellah. – DOI 10.3390/vehicles6030070. – SCO ; WOS CC
In: *Vehicles* [elektronický dokument] . – Basel (Švajčiarsko) : Multidisciplinary Digital Publishing



Institute. – ISSN (online) 2624-8921. – Roč. 6, č. 3 (2024), s. 1482-1495 [online]

(**Web of Science Core Collection:**WOS:001338864900001; **SCOPUS:**2-s2.0-85206483689)
1618487: How did VRP grow? : Towards sustainable models by developing a novel classification /
Jafarian-Moghaddam, Ahmad Reza; Shahpoori-Arany, Sara. – DOI 10.1016/j.sftr.2024.100347. –
SCO ; WOS CC **In:** *Sustainable Futures* [textový dokument (print)] . – Amsterdam (Holandsko) :
Elsevier. – ISSN 2666-1888. – Roč. 8 (2024), s. [1-18] [tlačená forma]

(**KIS:**ŽU.Žilina.PC056322.4091824714) 1617612: PATEL, M. et al. An adaptive sequential
decision-making approach for perishable food procurement, storage and distribution using
hyperconnected logistics. In: Sustainability. ISSN 2071-1050, 2024, vol. 16, iss. 1, art. no. 98,
s. 1-29.. – [s.l.] : [s.n.], 2024

(**SCOPUS:**2-s2.0-85214997731) 1621706: A vehicle routing model to optimize the distribution
process in a dairy supply chain : case of the Department of Bolivar in Colombia / Arenas-Bossa,
Natalia; Gómez-Gómez, Valeria; Morante-Venera, José; Salas-Navarro, Katherine; Emerging
Ubiquitous Systems and Pervasive Networks, 15 [28.10.2024-30.10.2024, Leuven, Belgicko]. –
DOI 10.1016/j.procs.2024.11.187. – SCO. **In:** *15th international conference on emerging
ubiquitous systems and pervasive networks / 14th international conference on current and future
trends of information and communication technologies in healthcare EUSPN/ICTH 2024*
[elektronický dokument] / Shakshuki, Elhadi [Zostavovateľ, editor]. – [recenzované]. – 1. vyd. –
Amsterdam (Holandsko) : Elsevier, 2024. – (Procedia computer science, ISSN 1877-0509 ;
volume 251), s. 795-800 [online]

(**Web of Science Core Collection:**WOS:001431489600001; **SCOPUS:**2-s2.0-85219188373)
1623443: Enhanced vehicle routing for medical waste management via hybrid deep reinforcement
learning and optimization algorithms / Khallaf, Norhan; Abd-El Rouf, Osama; Algarni, Abeer D.;
Hadhoud, Mohy; Kafafy, Ahmed.. – DOI 10.3389/frai.2025.1496653. – SCO ; WOS CC.
In: *Frontiers in Artificial Intelligence* [elektronický dokument] . – Lausanne (Švajčiarsko) :
Frontiers Media. – ISSN (online) 2624-8212. – Roč. 8 (2025), art. no. :1496653, s. [1-14] [online]



(**Current Content Connect**:CCC:001453942700001; **Web of Science Core Collection**:WOS:001453942700001; **SCOPUS**:2-s2.0-105001337085) 1624553: AlphaRouter :

bridging the gap between reinforcement learning and optimization for vehicle routing with Monte Carlo tree searches / Kim, Won Jun; Jeong, Junho; Kim, Taeyeong; Lee, Kichu. – DOI 10.3390/e27030251. – SCO ; CCC ; WOS CC.**In**: Entropy [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 1099-4300. – Roč. 27, č. 3 (2025), art. no. 251, s. [1-26] [online]

(**Current Content Connect**:CCC:001451962000004; **Web of Science Core Collection**:WOS:001230419400001; **SCOPUS**:2-s2.0-105001285118) 1624554: Innovative

decision support tools for perishable food supply chain management / Yamsa-ard, Samatthachai; Ben Abdelaziz, Fouad; Masri, Hatem. – DOI 10.1108/MD-12-2023-2378. – SCO ; CCC ; WOS CC.**In**: Management decision [textový dokument (print)] : the quarterly review of management technology. – Bingley (Veľká Británia) : Emerald Group Publishing. – ISSN 0025-1747. – ISSN (online) 1758-6070. – Roč. 63, č. 4 (2025), s. 1292-1315 [tlačená forma] [online]

(**KIS**:ŽU.Žilina.PC056322.2282215604) 1167603: BENLAAJILI, S. et al. Optimization of truck-shovel allocation problem in open-pit mines. In: 3rd International Conference on Smart Applications and Data Analysis for Smart Cyber-Physical Systems, SADASC 2020. ISBN 978-303045182-0, s. 243-255. (CCIS. ISSN 1865-0929, vol. 1207).. – [s.l.] : [s.n.], 2020

(**KIS**:ŽU.Žilina.PC056322.3481549370) 1167608: KUSSMAN, S., GODAT, Y., HANNE, T. A new hybrid bat algorithm optimizing the capacitated vehicle routing problem. In: 3rd International Conference on Computers in Management and Business, ICCMB 2020. [s.l.] : [s.n.], 2020. ISBN 978-145037677-8, s. 107-111.. – [s.l.] : [s.n.], 2020



(KIS:ŽU.Žilina.PC056322.4214990380) 1167609: YULIZA, E. et al. Solving capacitated vehicle routing problem using of Clarke and Wright algorithm and LINGO in LPG distribution. In: 5th Seminar Nasional Matematika dan Pendidikan Matematika, SENATIK 2020. Journal of Physics: Conference Series. ISSN 1742-6588, 2020, vol. 1663, iss. 1, art. no. 012027.. – [s.l.] : [s.n.], 2020

(KIS:ŽU.Žilina.PC056322.3762440363) 1167604: YULIZA, E., PUSPITA, F., SUPADI, S. The robust counterpart open capacitated vehicle routing problem with time windows on waste transport problems. In: Bulletin of Electrical Engineering and Informatics. ISSN 2089-3191, 2020, vol. 9, iss. 5, 2020, s. 2074-2081.. – [s.l.] : [s.n.], 2020

(KIS:ŽU.Žilina.PC056322.844075885) 1167602: KHACHAY, M., OGORODNIKOV, Y. Polynomial capacity guarantees PTAS for the Euclidean capacitated vehicle routing problem even for non-uniform non-splittable demand. In: 10th International Conference on Optimization and Applications, OPTIMA 2019. [S.l.] : Springer, 2020. ISBN 978-303038602-3, s. 415-426. (CCIS. ISSN 1865-0929, vol. 1145).. – [s.l.] : [s.n.], 2020

(KIS:ŽU.Žilina.PC056322.1086426267) 1167607: DESTYANTO, A., FAJAR, N., MANDHASIYA, D. Improving service level and utilization of distribution using discrete event simulation by comparing three vehicle routing problem algorithm : a case study of drugs distribution company. In: AIP Conference Proceedings. 16th International Conference on Quality in Research, QiR 2019. ISSN 0094-243X, 2020, vol. 2227, art. no. 04002.. – [s.l.] : [s.n.], 2020

(KIS:ŽU.Žilina.PC056322.1084981985) 1167610: ELIGÜZEL, I. M., YAGBASAN, N. S., OSZEYLAN, E. Investigating alternative routes for employee shuttle services arising in a textile company :a comparative study. In: International Conference on Advances in Production Management Systems, APMS 2021. Heidelberg : Springer, 2021. ISBN 978-303085913-8, s. 68-76.. – [s.l.] : [s.n.], 2021

(KIS:ŽU.Žilina.PC056322.1179709699) 1167605: ZHANG, L., ZHANG, S., YU, C. Network



optimisation for transporting liquefied natural gas from stations to end customers. In: International Journal of Production Research. ISSN 0020-7543, 2021, vol. 59, iss. 6, s. 1791-1813.. – [s.l.] : [s.n.], 2021

(KIS:ŽU.Žilina.PC054680.1585126241) 1158217: PUSPITA, F. M. et al. Demand robust counterpart open capacitated vehicle routing problem time windows and deadline model of garbage transportation with LINGO 13.0. In: International Journal of Electrical and Computer Engineering. ISSN 2088-8708, 2020, vol. 10, iss. 6, s. 6380-6388.. – [s.l.] : [s.n.], 2020

(KIS:ŽU.Žilina.PC054680.864630309) 1158218: PUSPITA, F. et al. Robust Counterpart Open-Capacitated Vehicle Routing Problem with Time Windows and Deadline (RCOCVRPTWD) Model in Optimization of Waste Transportation in Subdistrict Kalidoni, Palembang Using LINGO 13.0. In: 4th International Conference on Mathematics, Science, Education and Technology, ICOMSET 2020, in Conjunction with the 2nd International Conference on Biology, Science and Education, ICoBioSE 2020. Bristol : IOP Publishing, 2021. ISSN 1742-6588, 2021, art. no. 012017. (Journal of Physics: Conference Series, vol. 1940).. – [s.l.] : [s.n.], 2021

(KIS:ŽU.Žilina.PC056322.110921454) 1167611: JOHNSON, D., CHANIOTAKIS, E. Innovative last mile delivery concepts: Evaluating last mile delivery using a traffic simulator. In: 7th International Conference on Models and Technologies for Intelligent Transportation Systems, MT-ITS 2021. Danvers : IEEE, 2021. ISBN 978-172818995-6, s. 1-6.. – [s.l.] : [s.n.], 2021

(KIS:ŽU.Žilina.PC056322.1423346071) 1167613: PANDUMAN, Y. et al. Implementation of SUMO simulation for comparison of CVRP. In: 2021 International Electronics Symposium (IES), 2021. New York : IEEE, 2021. ISBN 978-166544346-3, s. 73-80.. – [s.l.] : [s.n.], 2021

(KIS:ŽU.Žilina.PC056322.1041940298) 1167606: BREITBARTH, E., GROBETA, W., ZIENAU, A. Protecting vulnerable people during pandemics through home delivery of essential supplies: a distribution logistics model. In: Journal of Humanitarian Logistics and Supply Chain Management. ISSN 2042-6747, 2021, vol. 11, iss. 2, s. 227-247.. – [s.l.] : [s.n.], 2021



(**KIS:**ŽU.Žilina.PC056322.2001844231) 1167612: TSAI, Y. et al. Routing algorithms as tools for integrating social distancing with emergency evacuation. In: Scientific Reports. ISSN 2045-2322, 2021, vol. 11, iss. 1, art. no. 19623.. – [s.l.] : [s.n.], 2021

(**Web of Science Core Collection:**WOS:000890048500055; **SCOPUS:**2-s2.0-85142305299) 750036: A multi-GPU parallel genetic algorithm for large-scale vehicle routing problems / Abdelatti, Marwan; Sodhi, Manbir; Sendag, Resit; High Performance Extreme Computing Conference [19.09.2022-23.09.2022, Virtuálny priestor, Virtuálny priestor]. – DOI 10.1109/HPEC55821.2022.9926363. – SCO ; WOS CC **In:** 2022 IEEE High Performance Extreme Computing Conference, HPEC 2022 [elektronický dokument]. – 1. vyd. – Danvers (USA) : Institute of Electrical and Electronics Engineers, 2022. – ISBN 9781665497862, s. [1-8] [online]

(**Current Content Connect:**CCC:000595520600037; **Web of Science Core Collection:**WOS:000595520600037; **SCOPUS:**2-s2.0-85096966737) 309098: Some statistical and CI models to predict chaotic high-frequency financial data / Marček, Dušan. – DOI 10.3233/JIFS-189107. – SCO ; CCC ; WOS CC **In:** Journal of Intelligent & Fuzzy Systems [textový dokument (print)] [elektronický dokument]. – Amsterdam (Holandsko) : IOS Press. – ISSN 1064-1246. – ISSN (online) 1875-8967. – Roč. 39, č. 5 (2020), s. 6419-6430 [tlačená forma] [online]

(**KIS:**ŽU.Žilina.PC054680.864630309) 1158218: PUSPITA, F. et al. Robust Counterpart Open-Capacitated Vehicle Routing Problem with Time Windows and Deadline (RCOCVRPTWD) Model in Optimization of Waste Transportation in Subdistrict Kalidoni, Palembang Using LINGO 13.0. In: 4th International Conference on Mathematics, Science, Education and Technology, ICOMSET 2020, in Conjunction with the 2nd International Conference on Biology, Science and Education, ICoBioSE 2020. Bristol : IOP Publishing, 2021. ISSN 1742-6588, 2021, art. no. 012017. (Journal of Physics: Conference Series, vol. 1940).. – [s.l.] : [s.n.], 2021

(**SCOPUS:**2-s2.0-85161403905; **Web of Science Core Collection:**WOS:001005588500001;



	Science Citation Index Expanded: WOS:001005588500001; Current Content Connect: CCC:001005588500001) 1061010: Kit of uniformly deployed sets for p-location problems / Janáček, Jaroslav ; Kvet, Marek; Czimmermann, Peter. – [recenzované]. – DOI 10.3390/math11112418. – CCC ; SCO ; WOS CC ; SCIE. In: Mathematics [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2227-7390. – Roč. 11, č. 11 (2023), s. [1-14] [online]
počet doktorandov, ktorým je alebo bol školiteľom s určením, koľkí z nich štúdium ku dňu vyhotovenia životopisu riadne skončili (§ 76 ods. 9 písm. a) zákona o vysokých školách).	Uchádzač môže uviesť link, kde sú tieto údaje zverejnené a voľne dostupné

c) **Názov študijného odboru, v ktorom má vybraný uchádzač pôsobiť:** informatika, ekonómia a manažment

d) **Počet uchádzačov:** 1

V Žiline dňa 06.05.2025
č. 09222/2025

prof. Ing. Emil Kršák, PhD.
dekan FRI