



**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 docent,  
v odbore habilitačného konania a inauguračného konania informatika, ktorý bude pôsobiť v  
študijnom odbore informatika na Katedre informatiky Fakulty riadenia a informatiky  
Žilinskej univerzity v Žiline**

**a) Výberová komisia:**

1. prof. Ing. Emil Kršák, PhD.
2. doc. Ing. Miroslav Kvaščay, PhD.
3. prof. Ing. Ľudmila Jánošíková, PhD.
4. prof. Ing. Marcel Harakaľ, PhD.
5. Ing. Zuzana Staníková, PhD.

**b)**

**Údaje uchádzača na obsadenie pracovného miesta vysokoškolského učiteľa na funkčné miesto docent / na Katedre informatiky Fakulty riadenia a informatiky Žilinskej univerzity v Žiline  
v zmysle § 76 ods. 9 písm. a) zákona o vysokých školách**

|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| meno, priezvisko,<br>rodné<br>priezvisko                                                                             | Michal Kvet                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| akademické tituly,<br>vedecko-<br>pedagogické<br>tituly,<br>umelecko-<br>pedagogické<br>tituly, vedecké<br>hodnosti, | Doc., Ing., PhD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| rok narodenia                                                                                                        | 1989                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| údaje o<br>vysokoškolsko<br>m vzdelaní,<br>ďalšom<br>akademickom<br>raste a<br>absolvovanom<br>ďalšom<br>vzdelávaní, | 2007-2010 – denné bakalárske štúdium na Fakulte riadenia a informatiky UNIZA,<br>študijný odbor Informatika<br>2010-2012 – denné inžinierske štúdium na Fakulte riadenia a informatiky UNIZA,<br>študijný odbor Informačné systémy, zameranie Aplikovaná informatika<br>2012-2015 – denné doktorandské štúdium na Fakulte riadenia a informatiky UNIZA,<br>študijný odbor Aplikovaná informatika (Téma dizertačnej práce: Vyhľadávanie a<br>indexovanie v temporálnych databázach) |



|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                               | 2020 – akademický titul docent na Fakulte riadenia a informatiky UNIZA, študijný odbor Aplikovaná informatika (Téma habilitačnej práce: Modelovanie času v databázach)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| údaje o priebehu zamestnaní a priebehu pedagogickej činnosti, | <p>9/2015 – 8/2020 – Katedra informatiky, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, pozícia vysokoškolský učiteľ (odborný asistent)</p> <p>9/2020 – doteraz – Katedra informatiky, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, pozícia vysokoškolský učiteľ (docent)</p> <p>Od 1.7.2024 – vedúci Katedry informatiky</p> <p><i>Databázové systémy</i>, bakalárske štúdium, študijný odbor Informatika, Počítačové inžinierstvo, Informatika a riadenie, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, Žilina, od akademického roku 2016/2017 doteraz</p> <p><i>Databázová analytika a výkonnosť</i>, bakalárske štúdium, študijný odbor Informatika, Počítačové inžinierstvo, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, Žilina, od akademického roku 2014/2025</p> <p><i>Pokročilé databázové systémy</i>, inžinierske štúdium, študijný odbor Informačné systémy, Inteligentné informačné systémy, Bioinformatika, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, Žilina, od akademického roku 2015/2016 doteraz</p> <p><i>Databázové jazyky</i>, inžinierske štúdium, študijný odbor Informačné systémy, Inteligentné informačné systémy, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, Žilina, od akademického roku 2015/2016 doteraz</p> <p>Teória a metodológia aplikovanej informatiky, doktorandské štúdium, študijný odbor Aplikovaná informatika, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, Žilina, od akademického roku 2020/2021 doteraz</p> <p><i>Projekt 1</i> (Nemocničný informačný systém, Parkovací informačný systém, Inteligentné dopravné a parkovacie systémy, Skúšací systém) inžinierske štúdium, študijný odbor Informačné systémy, Bioinformatika, Inteligentné informačné systémy, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, od akademického roku 2016/2017 doteraz</p> <p><i>Projekt 2</i> (Nemocničný informačný systém, Parkovací informačný systém, Inteligentné dopravné a parkovacie systémy, Skúšací systém), inžinierske štúdium, študijný odbor Informačné systémy, Bioinformatika, Inteligentné informačné systémy, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, od akademického roku 2016/2017 doteraz</p> <p><i>Projekt 3</i> (Nemocničný informačný systém, Parkovací informačný systém, Inteligentné dopravné a parkovacie systémy), inžinierske štúdium, študijný odbor Informačné systémy, Bioinformatika, Inteligentné informačné systémy, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, od akademického roku 2016/2017 doteraz</p> <p><i>Databázové systémy</i> (modelovanie, správa, architektúra, optimalizácia, časové aspekty, nerelačné databázové systémy).</p> |



údaje o odbornom  
alebo o  
umeleckom  
zameraní,  
údaje o  
publikačnej  
činnosti

*Databázové systémy (modelovanie, správa, architektúra, optimalizácia, časové aspekty, nerelačné databázové systémy).*

*Analytika.*

*Geografické informačné systémy.*

*Inteligentné dopravné systémy.*

*Nemocničné informačné systémy.*

*Bezpečnosť informačných systémov.*

*Uvádzam len publikácie za posledných 5 rokov, indexované v databáze WoS, resp. Scopus.*

1. V2

*Potočár, Miroslav; **Kvet, Michal***

**Comparison of Unigram, HMM, CRF and Brill's Part-of-Speech Taggers Available in NLTK Library**

*(2023) Conference of Open Innovation Association, FRUCT, 2023-May, pp. 226 - 235,*

*DOI: 10.23919/FRUCT58615.2023.10143061*

2. V2

*Durnekova, Martina; **Kvet, Michal***

**Information System for Asset Management in Buildings**

*(2022) 20th Anniversary of IEEE International Conference on Emerging eLearning Technologies and Applications, ICETA 2022 - Proceedings, pp. 141 - 146,*

*DOI: 10.1109/ICETA57911.2022.9974654*

3. V2

*Durnekova, Martina Hrinova; **Kvet, Michal***

**Referring Null Values in Partitioned Tables**

*(2024) Conference of Open Innovation Association, FRUCT, pp. 194 - 200,*

4. AFD, V2

*Ceresnak, Roman; **Kvet, Michal**; Matiascko, Karol*

**Increasing Security of Database during Car Monitoring**

*(2021) Transportation Research Procedia, 55, pp. 118 - 125*

*DOI: 10.1016/j.trpro.2021.06.013*



5. AFD, V2

**Kvet, Michal;** Ceresnak, Roman; Salgova, Veronika

**Use of Machine Learning for the Unknown Values in Database Transformation Processes**

(2021) 2021 Communication and Information Technologies Conference Proceedings, KIT 2021 - 11th International Scientific Conference, pp. 19 - 24

DOI: 10.1109/KIT52904.2021.9583753

6. V2

**Kvet, Michal**

**Dangling Predicates and Function Call Optimization in the Oracle Database**

(2023) 2023 Communication and Information Technologies, KIT 2023 - 12th International Scientific Conference, Proceedings, pp. 13 - 18

DOI: 10.1109/KIT59097.2023.10297114

7. V2

Pastierik, Ivan; **Kvet, Michal**

**Exploring Oracle APEX for the University Data Analysis**

(2023) ICETA 2023 - 21st Year of International Conference on Emerging eLearning Technologies and Applications, Proceedings, pp. 395 - 402

DOI: 10.1109/ICETA61311.2023.10344058

8. V2

**Kvet, Michal;** Kvet, Marek

**Top data analysis performance-case study**

(2024) 2024 IEEE 22nd World Symposium on Applied Machine Intelligence and Informatics, SAMI 2024 - Proceedings, pp. 271 - 276

DOI: 10.1109/SAMI60510.2024.10432792

9. V2

**Kvet, Michal**

**Rapid Application Development and data management using Oracle APEX and SQL**

(2024) 2024 IEEE 22nd World Symposium on Applied Machine Intelligence and Informatics, SAMI 2024 - Proceedings, pp. 297 - 302

DOI: 10.1109/SAMI60510.2024.10432914



10. V2

Kvet, Marek; **Kvet, Michal**; Šalgová, Veronika; Piaček, Peter; Kompan, Jozef

**COVID 19 implementation of a partial database**

(2022) ICCCC 2022 - IEEE 10th Jubilee International Conference on Computational Cybernetics and Cyber-Medical Systems, Proceedings, pp. 339 - 344,

DOI: 10.1109/ICCC202255925.2022.9922752

11. V2

**Kvet, Michal**; Majerciakova, Linda; Gibhardt, Antoine; Miljkovic, Luka; Bouhtout, Wassim

**Performance Analysis of the Database of Telecommunications**

(2022) Conference of Open Innovation Association, FRUCT, 2022-April, pp. 145 - 152,

DOI: 10.23919/FRUCT54823.2022.9770929

12. V2

Šalgová, Veronika; **Kvet, Michal**; Kvet, Marek; Čajka, Matej; Grofčík, Pavol

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13. V2

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DOI: 10.1109/ICETA54173.2021.9726601

14. AEC, V2

**Kvet, Michal**; Matiaško, Karol

**Flower Master Index for Relational Database Selection and Joining**

(2021) Advances in Intelligent Systems and Computing, 1281, pp. 181 - 202,

DOI: 10.1007/978-3-030-63872-6\_9

15. V2



**Kvet, Michal**

**Identifying, Managing, and Accessing Undefined Tuple States in Relational Databases**

(2022) *Proceedings of International Conference on Smart Systems and Technologies, SST 2022*, pp. 165 - 172

DOI: 10.1109/SST55530.2022.9954691

16. V2

**Kvet, Michal**

**Using Boolean Data Type in Oracle Database - Performance Study**

(2023) *International Conference on Information and Digital Technologies 2023, IDT 2023*, pp. 179 - 186

DOI: 10.1109/IDT59031.2023.10194397

17. AFD, V2

Ceresnak, Roman; Dudas, Adam; Matiasco, Karol; **Kvet, Michal**

**Mapping rules for schema transformation : SQL to NoSQL and back**

(2021) *International Conference on Information and Digital Technologies 2021, IDT 2021*, art. no. 9497629, pp. 52 - 58

DOI: 10.1109/IDT52577.2021.9497629

18. V2

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**Impact of Disc Types on Database Performance**

(2022) *2022 IEEE 16th International Scientific Conference on Informatics, Informatics 2022 - Proceedings*, pp. 188 - 195

DOI: 10.1109/Informatics57926.2022.10083421

19. V2

**Kvet, Michal**

**Referencing validity assignment using B+tree index enhancements**

(2023) *DISA 2023 - World Symposium on Digital Intelligence for Systems and Machines, Proceedings*, pp. 145 - 153

DOI: 10.1109/DISA59116.2023.10308931

20. V2

**Kvet, Michal**



**Lock Tracking - Efficient Solution for Relational Transaction Locking**

(2022) *Proceedings of the International Conference on New Trends in Signal Processing, NTSP 2022*, pp. 48 - 54

DOI: 10.23919/NTSP54843.2022.9920365

21. V2

**Kvet, Michal**; Kvet, Marek; Konstiakova, Lucia

**Analysis of Traffic Accident Rates in the Czech Republic**

(2024) *Conference of Open Innovation Association, FRUCT*, pp. 343 - 352

DOI: 10.23919/FRUCT64283.2024.10749902

22. V2

Durnekova, Martina Hrinova; **Kvet, Michal**

**Optimization of the SELECT Statement Containing Window Functions**

(2023) *International Conference on Information and Digital Technologies 2023, IDT 2023*, pp. 267 - 272

DOI: 10.1109/IDT59031.2023.10194457

23. V2

Kvet, Marek; Janáček, Jaroslav; **Kvet, Michal**

**Selected Approximate Approaches to Robust Emergency Service System Design**

(2022) *Communications in Computer and Information Science, 1623 CCIS*, pp. 56 - 82,

DOI: 10.1007/978-3-031-10725-2\_4

24. V2

**Kvet, Michal**; Melekova, Andrea; Demchenko, Dmytro

**API Interface for Analyzing the Correctness of DML Queries**

(2024) *Conference of Open Innovation Association, FRUCT*, pp. 425 - 432

DOI: 10.23919/fruct61870.2024.10516413

25. V2

Skula, Ivan; **Kvet, Michal**

**Domain Blacklist Efficacy for Phishing Web-page Detection over an Extended Time Period**



(2023) Conference of Open Innovation Association, FRUCT, 2023-May, pp. 257 - 263,

DOI: 10.23919/FRUCT58615.2023.10142999

26. V2

**Kvet, Michal**

**Relation between the Temporal Database Environment and Disc Block Size**

(2022) 2022 IEEE 16th International Scientific Conference on Informatics, Informatics 2022 - Proceedings, pp. 196 - 202

DOI: 10.1109/Informatics57926.2022.10083452

27. V2

**Kvet, Michal**

**Identifying and Treating NULL Values in the Oracle Database - Performance Case Study**

(2023) Conference of Open Innovation Association, FRUCT, 2023-May, pp. 161 - 168,

DOI: 10.23919/FRUCT58615.2023.10143066

28. V2

Jancik, Lukas; **Kvet, Michal**

**Analytical Tool for Oracle SQL Statements**

(2024) Conference of Open Innovation Association, FRUCT, pp. 275 - 283,

29. V2

**Kvet, Michal**

**Comparative Study of Various Function Definitions Used in Oracle SQL Dialect**

(2024) 2024 IEEE 17th International Scientific Conference on Informatics, INFORMATICS 2024 - Proceedings, pp. 461 - 465

DOI: 10.1109/Informatics62280.2024.10900770

30. AFD, V2

Ceresnak, Roman; **Kvet, Michal**; Matiasko, Karol

**Using triggers to provide database management in a nonrelational database**

(2021) International Conference on Information and Digital Technologies 2021, IDT 2021, art. no. 9497640, pp. 59 - 64



|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                         | <div><div>31. V2</div><div>Skula, Ivan; <b>Kvet, Michal</b></div><div><b>URL and Domain Obfuscation Techniques - Prevalence and Trends Observed on Phishing Data</b></div><div>(2024) 2024 IEEE 22nd World Symposium on Applied Machine Intelligence and Informatics, SAMI 2024 - Proceedings, pp. 283 - 290,</div><div>DOI: 10.1109/SAMI60510.2024.10432841</div></div> <div><div>32. AFD, V2</div><div><b>Kvet, Michal; Matiasco, Karol</b></div><div><b>The efficiency of the Temporal Medical Data Retrieval</b></div><div>(2021) International Conference on Information and Digital Technologies 2021, IDT 2021, art. no. 9497639, pp. 44 - 51,</div><div>DOI: 10.1109/IDT52577.2021.9497639</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ohlasy na vedeckú alebo umeleckú prácu, | <div><div>Scopus: 379</div><div>WoS: 77</div><div><div><div>•</div><div>Scopus: <b>8</b> (bez samocitácií), <b>10</b></div><div><a href="https://www.scopus.com/authid/detail.uri?authorId=57220698445">https://www.scopus.com/authid/detail.uri?authorId=57220698445</a></div></div></div><div><div>Kvet, Michal</div><div>University of Žilina, Žilina, Slovakia • Scopus ID: 57220698445 •  0000-0003-3937-7473  Connect to Mendeley </div><div>Show all information</div></div><div><div><div>379</div><div>Citations by 247 documents</div></div><div><div>120</div><div>Documents</div></div><div><div>10</div><div><a href="#">h-index</a></div></div></div><div><div>•</div><div>WoS: <b>6</b></div><div><a href="https://www.webofscience.com/wos/author/record/15494069">https://www.webofscience.com/wos/author/record/15494069</a></div></div><div><div><div><div><div><div>Kvet, Michal</div><div>This is an algorithmically generated author record. ⓘ</div><div>University of Žilina - Dept Informat - ŽILINA, SLOVAKIA</div></div></div><div><div>Identifiers</div><div> Web of Science ResearcherID: DWG-3666-2022</div></div><div><div>Published name ⓘ</div><div>Kvet, Michal</div></div><div><div>Organizations ⓘ</div><div>University of Žilina<br/>Žilinská Univ Žilina</div></div><div><div>Subject Categories</div><div>Computer Science; Engineering; Telecommunications; Transportation; Automation &amp; Control Systems</div></div></div><div><div><div>Are you this author?</div><div>Verify your work, and control how your name, title, institution, and profile image appears in your Web of Science Author Record.</div><div><a href="#">Claim my record</a></div></div></div><div><div><div>Metrics</div><div>Profile summary</div><div><div>69</div><div>Total documents</div></div><div><div>69</div><div>Web of Science Core Collection publications</div></div><div><div>0</div><div>Preprints</div></div><div><div>0</div><div>Awarded grants</div></div></div><div><div>Web of Science Core Collection metrics ⓘ</div><div><div>6</div><div>H-Index</div></div><div><div>69</div><div>Publications</div></div></div></div><div><div><div>Documents</div><div>Author Impact Beampoint</div></div><div><div><div>✓</div><div>Web of Science Core Collection (69)</div></div></div><div><div><div>Filters</div><div>Select Filters ▾</div></div><div><div>Author Position</div><div>All Publications ▾</div></div><div><div>Sort by</div><div>Date: newest first ▾</div></div><div><div>&lt;</div><div>1</div><div>of 2</div><div>&gt;</div></div></div></div></div><div>Uvádzam citácie z WoS na články publikované za posledných 5 rokov:</div></div></div> |



[A Framework for Preparing a Balanced and Comprehensive Phishing Dataset](#)

[Skula, Ivan](#) and [Kvet, Michal](#)

2024

IEEE ACCESS 12 , pp.53610-53622

**Citované v:**

1. [Web-based phishing URL detection model using deep learning optimization techniques](#)

[Barik, K](#); [Misra, S](#) and [Mohan, R](#)

Feb 2025 (Early Access)

INTERNATIONAL JOURNAL OF DATA SCIENCE AND ANALYTICS

2. [A Dataset of Sudoku Puzzles With Difficulty Metrics Experienced by Human Players](#)

[Wang, SW](#)

2024

IEEE ACCESS 12 , pp.104254-104262

[Treating Temporal Function References in Relational Database Management System](#)

[Kvet, Michal](#); [Papan, Jozef](#) and [Durneková, Martina Hrínová](#)

2024

IEEE ACCESS 12 , pp.54518-54535

**Citované v:**

3. [Predictive analysis visualization component in simulated data streams](#)

[Dudás, A](#) and [Demian, D](#)

Jun 14 2024

DISCOVER COMPUTING 27 (1)

[Enhancing Analytical Select Statements Using Reference Aliases](#)

[Kvet, Michal](#) and [Papan, Jozef](#)

2024

IEEE ACCESS 12 , pp.27311-27330

**Citované v:**

4. [Multi-Objective Genetic Algorithm for Materialized View Optimization in Data Warehouses](#)

[Manavi, M](#)

[4th IEEE Interdisciplinary Conference on Electrics and Computer \(INTCEC\)](#)



2024

4TH INTERDISCIPLINARY CONFERENCE ON ELECTRICS AND COMPUTER,  
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[Covering Undefined and Untrusted Values by the Database Index](#)

[Kvet, Michal](#)

World Conference on Information Systems and Technologies (WorldCIST)

2022

INFORMATION SYSTEMS AND TECHNOLOGIES, WORLDCIST 2022, VOL 3 470 ,  
pp.473-483

**Citované v:**

5. [Graphical representation of data prediction potential: correlation graphs and correlation chains](#)

[Dudas, A](#)

Oct 2024

VISUAL COMPUTER 40 (10) , pp.6969-6982

[The Complexity of the Data Retrieval Process Using the Proposed Index Extension](#)

[Kvet, Michal](#) and [Papan, Jozef](#)

2022

IEEE ACCESS 10 , pp.46187-46213

**Citované v:**

6. [A Novel encrypted XML streaming technique for indexing data on multiple channel](#)

[Ahlawat, VK](#); [Agarwal, G](#); [Goel, V](#), [Hui, KL](#) and [Sain, M](#)

Jul 31 2024

KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS 18 (7) ,  
pp.1840-1867

7. [Cloud databases: A resilient and robust framework to dissolve vendor lock-in](#)

[Shaik, V](#) and [Natarajan, K](#)

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SOFTWARE IMPACTS 21

8. [Natural Language Processing in Translation of Relational Languages](#)

[Dudás, A](#) and [Skrinárová, J](#)



Jan 2023

IPSI BGD TRANSACTIONS ON INTERNET RESEARCH 19 (1) , pp.17-23

**Enhanced Bit Repair IP Fast Reroute Mechanism for Rapid Network Recovery**

Papan, Jozef; Segec, Pavol and Kvet, Michal

Apr 2021

APPLIED SCIENCES-BASEL 11 (7)

**Citované v:**

9. Development and Research of a Method for Multi- Level Protection of Transmitted Information in IP Networks Based on Asterisk IP PBX Using Various Codecs

Yakubova, M; Serikov, T and Manankova, O

Jul 2024

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 15 (7) , pp.724-731

10. P-LFA: A Novel LFA-Based Percolation Fast Rerouting Mechanism

Xu, MH; Feng, T; Gao, XM; Jiang, SQ; Qi, SY and Yang, ZY

17th International Conference on Wireless Algorithms, Systems, and Applications (WASA)

2022

WIRELESS ALGORITHMS, SYSTEMS, AND APPLICATIONS (WASA 2022), PT II 13472 , pp.557-571

11. Reliable Fault Tolerant-Based Multipath Routing Model for Industrial Wireless Control Systems

Abdulrab, H; Hussin, FA; Abd Aziz, A; Awang, A; Ismail, I and Devan, PAM

Jan 2022

APPLIED SCIENCES-BASEL 12 (2)

**Study on Effective Temporal Data Retrieval Leveraging Complex Indexed Architecture**

Kvet, Michal; Krsák, Emil and Matiascko, Karol

Feb 2021

APPLIED SCIENCES-BASEL 11 (3)

**Citované v:**

12. Circular Economy: Municipal Solid Waste and Landfilling Analyses in Slovakia



[Tokarcíková, E;](#) [Durisová, M](#) and [Trojáková, T](#)

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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).

**Vedecká výchova doktorandov ukončená obhajobou dizertačnej práce - 5**

| Priezvisko meno             | Názov práce                                                      | Rok ukončenia |
|-----------------------------|------------------------------------------------------------------|---------------|
| Čerešňák Roman *            | Spracovanie a vyhľadávanie v neštruktúrovaných databázach        | 2021          |
| Šalgová Veronika *          | Indexing, deployment and searching algorithms in large databases | 2022          |
| Hrínová Durneková Martina * | Analytické spracovanie dát                                       | 2024          |
| Škula Ivan *                | Detection of phishing webpages                                   | 2024          |
| Majerík Filip **            | Optimalizace datové vrstvy databázových aplikací                 | 2024          |

\* - študent Fakulty riadenia a informatiky, Žilinská Univerzita v Žiline, Slovensko, št. program: Aplikovaná informatika

\*\* - študent Fakulty elektrotechniky a informatiky, Univerzita Pardubice, Česká Republika, obhajoba: 6.12.2024, št. program: Elektrotechnika a informatika (potvrdenie v prílohe A.4)

**Vedecká výchova doktorandov ukončená dizertačnou skúškou - 1**

| Priezvisko meno    | Názov práce                                    | Rok ukončenia |
|--------------------|------------------------------------------------|---------------|
| Potočár Miroslav * | Analýza a vyhľadávanie v textoch (text mining) | 2022          |

\* - študent Fakulty riadenia a informatiky, Žilinská Univerzita v Žiline, Slovensko, št. program: Informatika

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

d) Počet uchádzačov: 1

V Žiline dňa 06.05.2025

č. 09218/2025

prof. Ing. Emil Kršák, PhD.  
dekan FRI