

**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 profesor,
ktorý bude pôsobiť v študijnom odbore informatika na Katedre informatiky
Fakulty riadenia a informatiky Žilinskej univerzity v Žiline
(VK č. 23743/2025)**

a) Výberová komisia:

1. prof. Ing. Emil Kršák, PhD.
2. prof. Ing. Ľudmila Jánošíková, PhD.
3. prof. Ing. Elena Zaitseva, PhD.
4. Ing. Zuzana Staníková, PhD.
5. prof. Ing. Marcel Harakaľ, PhD.

b) Údaje úspešného uchádzača v rozsahu:

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

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

údaje o priebehu zamestnaní a priebehu pedagogickej činnosti,	9/2015 – 8/2020 – Katedra informatiky, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, pozícia vysokoškolský učiteľ (odborný asistent) 9/2020 – doteraz – Katedra informatiky, Fakulta riadenia a informatiky, Žilinská univerzita v Žiline, pozícia vysokoškolský učiteľ (docent) Od 1.7.2024 – vedúci Katedry informatiky
	<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 <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 <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 <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 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 <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 <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 <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 <i>Databázové systémy</i> (modelovanie, správa, architektúra, optimalizácia, časové aspekty, nerelačné databázové systémy). <i>Databázové systémy</i> (modelovanie, správa, architektúra, optimalizácia, časové aspekty, nerelačné databázové systémy). <i>Analytika.</i> <i>Geografické informačné systémy.</i> <i>Inteligentné dopravné systémy.</i> <i>Nemocničné informačné systémy.</i> <i>Bezpečnosť informačných systémov.</i>

údaje o odbornom alebo o umeleckom zameraní, údaje o publikačnej činnosti	MONOGRAFIE 1. AAB, V1 Temporálne databázy Matiaško, Karol (50%) ; Kvet, Michal (50%) – 1. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2020. – 319 s. [21,57 AH] – ISBN 978-80-554-1662-5 https://edis.uniza.sk/produkt/6660/Temporalne-databazy/ UČEBNICE 1. ACB Databázové systémy (1. diel) Matiaško, Karol (33.334%) ; Kvet, Michal (33.333%) ; Kvet, Marek (33.333%) ; – 2. preprac. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2018. – 440 s. [24,82 AH] – ISBN 978-80-554-1488-1. Autorský podiel: 8, 27AH https://edis.uniza.sk/produkt/6467/Databazove-systemy---1.-diel/ 2. ACB Databázové systémy (2. diel) Matiaško, Karol (33.334%) ; Kvet, Michal (33.333%) ; Kvet, Marek (33.333%) ; – 2. preprac. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2018. – 403 s. [24,83 AH] – ISBN 978-80-554-1489-8. Autorský podiel: 8, 27AH https://edis.uniza.sk/produkt/6466/Databazove-systemy---2.diel/ 3. ACB Pokročilé databázové systémy (1. diel. Umenie programovania a administrácie) / Matiaško, Karol (33,334%) ; Vajsová, Monika (33,333%) ; Kvet, Michal (33,333%) ; – 1. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2017. – 323 s. [15, 59 AH] – ISBN 978-80-554-1311-2. Autorský podiel: 5, 19 AH https://edis.uniza.sk/produkt/6380/Pokrocile-databazove-systemy-1.-diel--Umenie-programovania-a-administracie/ 4. ACB Pokročilé databázové systémy (2. diel. Architektúra, programovanie s objektmi a XML) Matiaško, Karol (33,334%) ; Vajsová, Monika (33,333%) ; Kvet, Michal (33,333%) – 1. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2017. – 276 s. [15, 49 AH] – ISBN 978-80-554-1312-9. Autorský podiel: 5, 16 AH https://edis.uniza.sk/produkt/6381/Pokrocile-databazove-systemy-2.-diel-Architektura,-programovanie-s-objektmi-a-XML/ 5. ACB Rýchly vývoj dátových modelov a aplikácií v prostredí ORACLE APEX / Matiaško, Karol (23.49%) ; Kvet, Michal (52.86%) ; Vestenický, Vojtech (14.69%) ; Šalgová, Veronika (8.96%) . – 1. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2020. – 535 s. [34,05 AH] [– ISBN 978-80-554-1678-6. – ISBN 978-80-554-1677-9. Autorský podiel: 18,00AH https://edis.uniza.sk/produkt/6716/Rychly-vyvoj-datovych-modelov-a-aplikacii-v-prostredi-Oracle-APEX/ 6. P1 Become master in SQL Kvet, Michal (100%) ; – 1. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2024. – 569 s. [36,57 AH]. – ISBN 978-80-554-2132-2. Autorský podiel: 36,57AH https://edis.uniza.sk/produkt/7351/Become-master-in-SQL/ 7. P1
---	--

Practical SQL for Oracle Cloud Kvet, Michal (60%) ; Matiaško, Karol (20%) ; Toth, Štefan (20%) ; – 1. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2022. – 551 s. [32,40 AH] [USB kľúč]. – ISBN (elektronické) 978-80-554-1880-3. Autorský podiel: 19,44 AH

<https://edis.uniza.sk/produkt/7023/USB---Practical-SQL-for-Oracle-Cloud/>

8. P1

Environmental data analysis Kvet, Michal (40%) ; Baggia, Alenka (15%) ; Borkovcová, Monika (15%) ; Mudrinič, Diana (15%) ; Urem, Frane (15%) ; – 1. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2024. – 371 s. [30,42 AH] [online]. – ISBN 978-80-554-2145-2. Autorský podiel: 12,16 AH

<https://edis.uniza.sk/produkt/7368/ENVIRONMENTAL-DATA-ANALYSIS/>

Učebnica preložená do viacerých jazykov:

- Slovenský jazyk: ISBN: 978-80-554-2147-6
- Český jazyk: ISBN: 978-80-554-2186-5
- Chorvátsky jazyk: ISBN: 978-80-554-2144-5
- Slovinský jazyk: ISBN: 978-80-554-2146-9

SKRIPTÁ

1. ACB

Practices for database systems Matiaško, Karol (34%) ; Kvet, Michal (33%) ; Kvet, Marek (33%) ; – 1. vyd. – Žilina (Slovensko) : Žilinská univerzita v Žiline, 2017. – 565 s. [34,77 AH] [tlačená forma] [CD-ROM]. – ISBN 978-80-554-1396-9. – ISBN (elektronické) 978-80-554-1397-6. Autorský podiel: 11, 47AH

<https://edis.uniza.sk/produkt/6409/PRACTICES-FOR-DATABASE-SYSTEMS/>

2. BCI

Dátová veda a jej aplikácie Antoni, Ľubomír (Autor) (3%) ; Paralič, Ján (Autor) (4%) ; Butka, Peter (Autor) (4%) ; Babič, František (Autor) (4%) ; Sarnovský, Martin (Autor) (4%) ; Bednár, Peter (Autor) (4%) ; Gurský, Peter (Autor) (4%) ; Galčík, František (Autor) (3%) ; Opiela, Miroslav (Autor) (4%) ; Kridlo, Ondrej (Autor) (4%) ; Kuzma, Miron (Autor) (3%) ; Bruoth, Erik (Autor) (3%) ; Šebej, Juraj (Autor) (3%) ; Kekeňák, Tomáš (Autor) (3%) ; Andrejková, Gabriela (Autor) (4%) ; Šveda, Dušan (Autor) (4%) ; Kapusta, Jozef (Autor) (4%) ; Drlík, Martin (Autor) (4%) ; Munk, Michal (Autor) (4%) ; Benko, Ľubomír (Autor) (4%) ; Vozár, Martin (Autor) (4%) ; Siládi, Vladimír (Autor) (3%) ; Vagač, Michal (Autor) (3%) ; Jankovič, Peter (Autor) (4%) ; Kvaššay, Miroslav (Autor) (4%) ; Kvet, Michal (Autor) (4%) ; Varga, Michal (Autor) (4%) ; Ševčík, Peter (Recenzent) ; Hudák, Dávid (Recenzent) ; Jacko, Milan (Recenzent) ; Aštary, Matej (Recenzent) . – 1. vyd. – Košice (Slovensko) : Univerzita Pavla Jozefa Šafárika v Košiciach, 2020. – 187 s. [8,8 AH] [online]. – ISBN 978-80-8152-917-7. Autorský podiel: 0,35AH

ohlasy na vedeckú alebo umeleckú prácu,	Publikácie zaradené v databáze WoS alebo SCOPUS: Scopus: 120, WoS: 66 Publikácie zaradené v databáze WoS: 66 Výstupy v impaktovaných vedeckých časopisoch zaradených v databázach WoS (JCR) s autorským podielom uchádzača minimálne 25 percent: 13 (1x Q1, 9x Q2, 2x Q3, 1x Q4) Ohlasy: Scopus: 203, WoS: 75
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).	UKONČENÍ • Roman Čerešňák – Spracovávanie a vyhľadávanie v neštrukturovaných databázach • Veronika Šalgová – Indexing, deployment and searching algorithms in large databases (v anglickom jazyku) • Martina Hrínová Durneková - Analytické spracovanie dát • Ivan Škula – Detection of phishing webpages (v anglickom jazyku) • Filip Majerík - Optimalizace datové vrstvy databázových aplikací (Univerzita Pardubice, ČR) • Miroslav Potočár - Analýza a vyhľadávanie v textoch (text mining) AKTUÁLNI • Andrea Meleková - Optimalizácia a transformácia SQL príkazov (po dizertačnej skúške) • Jakub Rapšík - Anonymizácia relačných dát a ich efektívne spracovanie a vyhľadávanie (po dizertačnej skúške) • Tomáš Dokoupil - Architektury datových skladů a datová analytika (Univerzita Pardubice, ČR) • Ivan Pastierik - Optimalizácia metód strojového učenia v kontexte dátovej vrstvy a indexovania

PUBLIKAČNÁ ČINNOSŤ:

V **Univerzitnej knižnici** mám evidovaných **144 publikácií** (zoznam týchto vyexportovaný zo systému REPČO je možné nájsť v prílohe B. 2). V databáze **Scopus** mám **120 publikácií**. V databáze **WoS** mám **66 publikácií**.

Publikácie zaradené v databáze WoS alebo SCOPUS

V tejto časti uvádzam iba publikácie **indexované v databáze Scopus, ktoré nie sú indexované v databáze WoS**. Týchto je **51**.

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. AFD, V2

Kvet, Michal

Data Distribution in Ad-hoc Transport Network

(2019) Proceedings of the International Conference on Information and Digital Technologies 2019, IDT 2019, art. no. 8813437, pp. 275 - 282,

DOI: 10.1109/DT.2019.8813437

3. 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

4. V2

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

Referring Null Values in Partitioned Tables

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

5. AFD, V2

Ceresnak, Roman; **Kvet, Michal**

Comparison of distributed data transformation and comparing query performance in relational and non-relational database

(2019) ICETA 2019 - 17th IEEE International Conference on Emerging eLearning Technologies and Applications, Proceedings, art. no. 9040085, pp. 108 - 114

DOI: 10.1109/ICETA48886.2019.9040085

6. AFD, V2

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

Increasing Security of Database during Car Monitoring

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

DOI: 10.1016/j.trpro.2021.06.013

7. 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

8. 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

9. AFC, V2

Kvet, Michal; Matiasko, Karol

Innovation for Medical Sensor Data Processing and Evaluation

(2019) Smart Innovation, Systems and Technologies, 145, pp. 329 - 339

DOI: 10.1007/978-981-13-8566-7_32

10. AFC, V2

Kvet, Marek; Janáček, Jaroslav; Kvet, Michal

Computational Study of Emergency Service System Reengineering Under Generalized Disutility

(2019) Communications in Computer and Information Science, 966, pp. 198 - 219

DOI: 10.1007/978-3-030-16035-7_11

11. 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

12. 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

13. 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

14. V2

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

COVID 19 implementation of a partial database

(2022) ICC2022 - IEEE 10th Jubilee International Conference on Computational Cybernetics and Cyber-Medical Systems, Proceedings, pp. 339 - 344,

DOI: 10.1109/ICC202255925.2022.9922752

15. 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

16. V2

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

IMDB database performance analysis

(2022) ICC2022 - IEEE 10th Jubilee International Conference on Computational Cybernetics and Cyber-Medical Systems, Proceedings, pp. 323 - 328

DOI: 10.1109/ICC202255925.2022.9922783

17. V2

Salgova, Veronika; **Kvet, Michal**

The Impact of Table and Index Compression

(2021) ICETA 2021 - 19th IEEE International Conference on Emerging eLearning Technologies and Applications, Proceedings, pp. 327 - 332

DOI: 10.1109/ICETA54173.2021.9726601

18. 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

19. 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

20. 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

21. AFD, V2
Ceresnak, Roman; Dudas, Adam; Matiasko, 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
22. V2
Kvet, Michal
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
23. 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
24. 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
25. 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
26. 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
27. 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

28. 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

29. 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

30. AFD, V2

Kvet, Michal; Matiasko, Karol

Analysis of temporal data management in the intelligent transport system

(2018) DISA 2018 - IEEE World Symposium on Digital Intelligence for Systems and Machines, Proceedings, art. no. 8490524, pp. 151 - 158

DOI: 10.1109/DISA.2018.8490524

31. 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

32. 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

33. AFD, V2

Ceresnak, Roman; **Kvet, Michal**

Comparison of Apache Technology in Distributed Environment

(2019) Proceedings of the International Conference on Information and Digital Technologies 2019, IDT 2019, art. no. 8813464, pp. 80 - 85

DOI: 10.1109/DT.2019.8813464

34. V2

Potocar, Miroslav; **Kvet, Michal**

Data-driven decision-making options for less tech-savvy users

(2024) 2024 IEEE 17th International Scientific Conference on Informatics, INFORMATICS 2024 - Proceedings, pp. 507 - 515,

DOI: 10.1109/Informatics62280.2024.10900909

35. V2

Pastierik, Ivan; **Kvet, Michal**

Oracle Application Express as a Tool for Teaching Web Software Development

(2023) 2023 Communication and Information Technologies, KIT 2023 - 12th International Scientific Conference, Proceedings, pp. 78 - 84

DOI: 10.1109/KIT59097.2023.10297067

36. AFD, V2

Kvet, Michal; Matiasko, Karol

Data Loading and Migration Methods in the Cloud Environment

(2021) 2021 Communication and Information Technologies Conference Proceedings, KIT 2021 - 11th International Scientific Conference, pp. 13 - 18

DOI: 10.1109/KIT52904.2021.9583620

37. AFD, V2

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

School information system

(2020) ICETA 2020 - 18th IEEE International Conference on Emerging eLearning Technologies and Applications, Proceedings, art. no. 9379199, pp. 176 - 181,

DOI: 10.1109/ICETA51985.2020.9379199

38. V2

Kvet, Marek; **Kvet, Michal**; Zillova, Zuzana; Malina, Erik

Information System for Crime Monitoring in Europe

(2024) 2024 IEEE 17th International Scientific Conference on Informatics, INFORMATICS 2024 - Proceedings, pp. 453 - 460

DOI: 10.1109/Informatics62280.2024.10900797

39. V2

Jancik, Lukas; **Kvet, Michal**

Analytical Tool for Oracle SQL Statements

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

40. 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

41. ADC, V3

Kvet, Michal; Krsak, Emil; Matiasko, Karol

Locating and accessing large datasets using Flower Index Approach

(2020) Concurrency and Computation: Practice and Experience, 32 (13), art. no. e5209,

DOI: 10.1002/cpe.5209

42. V2

Kvet, Michal

Concept of Hybrid Temporal Architecture

(2022) 20th Anniversary of IEEE International Conference on Emerging eLearning Technologies and Applications, ICETA 2022 - Proceedings, pp. 364 - 370

DOI: 10.1109/ICETA57911.2022.9974892

43. V2

Kvet, Marek; **Kvet, Michal**

Scenario-Based Optimization of Specific Group of Public Service Systems in Health Sector

(2022) Communications in Computer and Information Science, 1623 CCIS, pp. 128 - 151,

DOI: 10.1007/978-3-031-10725-2_7

44. V2

Kvet, Michal

Effective Restriction of the Data Manipulation Operations in Oracle Database

(2024) Conference of Open Innovation Association, FRUCT, pp. 337 - 342,

DOI: 10.23919/FRUCT64283.2024.10749869

45. ADM, V3

Kvet, Michal; Matiaszko, Karol

Using triggers to provide database management and performance temporal environment

(2017) International Journal of Simulation: Systems, Science and Technology, 18 (2), pp. 31 - 39,

DOI: 10.5013/IJSSST.a.18.02.03

46. V2

Skula, Ivan; **Kvet, Michal**

URL and Domain Obfuscation Techniques - Prevalence and Trends Observed on Phishing Data

(2024) 2024 IEEE 22nd World Symposium on Applied Machine Intelligence and Informatics, SAMI 2024 - Proceedings, pp. 283 - 290,

DOI: 10.1109/SAMI60510.2024.10432841

47. AFD, V2

Kvet, Michal; Matiaszko, Karol

The efficiency of the Temporal Medical Data Retrieval

(2021) International Conference on Information and Digital Technologies 2021, IDT 2021, art. no. 9497639, pp. 44 - 51,

DOI: 10.1109/IDT52577.2021.9497639

48. V2

Kvet, Michal; Kvet, Marek; Konstiaková, Lucia; Dupak, Branislav; Dunaj, Jan

Police Force-Traffic Accidents

(2022) Conference of Open Innovation Association, FRUCT, 2022-April, pp. 138 - 144,

DOI: 10.23919/FRUCT54823.2022.9770910

49. V2

Kvet, Michal; Stasko, Jozef; Wang, Yu-Lin; Lima, Antonio; Gavrilovic, Teodora

Online Retailing and Shopping: An Academical Simulation to Databases

(2022) Conference of Open Innovation Association, FRUCT, 2022-April, pp. 153 - 159,

DOI: 10.23919/FRUCT54823.2022.9770900

50. AFC, V2

Kvet, Michal; Salgova, Veronika; Kvet, Marek; Matiascko, Karol

Master Index Access as a Data Tuple and Block Locator

(2019) Conference of Open Innovation Association, FRUCT, art. no. 8981531, pp. 176 - 183,

DOI: 10.23919/FRUCT48121.2019.8981531

51. AFD, V2

Kvet, Michal; Matiascko, Karol

Epsilon temporal data in mri results processing

(2014) DT 2014 - 10th International Conference on Digital Technologies 2014, art. no. 6868714, pp. 198 - 206

DOI: 10.1109/DT.2014.6868714

Zdroj: <https://www.scopus.com/authid/detail.uri?authorId=57220698445>

Publikácie zaradené v databáze WoS

V tejto časti uvádzam publikácie **indexované v databáze WoS**. Týchto je **66**.

1. V2

Methodology of Bivalent Data Management in Oracle Database

Kvet, Michal

International Conference on New Trends in Signal Processing (NTSP)

2024

2024 NEW TRENDS IN SIGNAL PROCESSING, NTSP 2024 , pp.70-76

2. V2

Impact of Preprocessing Using Substitution on the Performance of Selected NER Models - Methodology

Potocar, Miroslav and **Kvet, Michal**

12th World Conference on Information Systems and Technologies (WorldCIST)

2024

GOOD PRACTICES AND NEW PERSPECTIVES IN INFORMATION SYSTEMS AND TECHNOLOGIES, VOL 6, WORLDICIST 2024

990 , pp.141-150

3. V2

Performance Analysis of the Data Aggregation in the Oracle Database

Kvet, Michal

12th World Conference on Information Systems and Technologies (WorldCIST)

2024

GOOD PRACTICES AND NEW PERSPECTIVES IN INFORMATION SYSTEMS AND TECHNOLOGIES, VOL 6, WORLDICIST 2024 990 , pp.161-170

4. V3
A Framework for Preparing a Balanced and Comprehensive Phishing Dataset
Skula, Ivan and Kvet, Michal
2024
IEEE ACCESS 12 , pp.53610-53622
5. V3
Treating Temporal Function References in Relational Database Management System
Kvet, Michal; Papan, Jozef and Durneková, Martina Hrinová
2024
IEEE ACCESS 12 , pp.54518-54535
6. V3
The New Label Bit Repair Fast Reroute Mechanism
Papan, Jozef; Chovanec, Tomáš; Bridová Ivana; Kvet, Michal
2024
IEEE ACCESS 12 , pp.46487-46503
7. V3
Enhancing Analytical Select Statements Using Reference Aliases
Kvet, Michal and Papan, Jozef
2024
IEEE ACCESS 12 , pp.27311-27330
8. V3
Optimization of Fire Brigade Deployment by Means of Mathematical Programming
Leitner, Bohuš; Ballay Michal; Kvet Marek and Kvet, Michal
Apr 2023
PROCESSES 11 (4), pp. 1-21
9. V3
Concept of Select Unlocking Optimization
Kvet, Michal
Jan 2023
IPSI BGD TRANSACTIONS ON INTERNET RESEARCH 19 (1) , pp.4-11
10. V2
Database Block Management using Master Index
Kvet, Michal
32nd Conference of Open-Innovations-Association-FRUCT
2022
2022 32ND CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT) , pp.135-142

11. V2

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 , pp.473-483

12. V2

The Complexity of the Data Retrieval Process Using the Proposed Index Extension

Kvet, Michal and Papan, Jozef

2022

IEEE ACCESS 10 , pp.46187-46213

13. ADC, V3

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), pp. 1 - 28

14. ADC, V3

Study on Effective Temporal Data Retrieval Leveraging Complex Indexed Architecture

Kvet, Michal; Krsák, Eemil and Matiaszko, Karol

Feb 2021

APPLIED SCIENCES-BASEL 11 (3), pp. 1 - 38

15. AFC, V2

Database Index Balancing Strategy

Kvet, Michal

29th Conference of Open-Innovations Association (FRUCT)

2021

PROCEEDINGS OF THE 2021 29TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT), VOL 1 , pp.214-221

16. V2

Study of duplicate tuple management

Kvet, Michal

IEEE International Conference on Systems, Man, and Cybernetics (SMC)

2021

2021 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC) , pp.3081-3088

17. V2

Autonomous Temporal Time Zone Management

Kvet, Michal

47th Annual Conference of the IEEE-Industrial-Electronics-Society (IECON)

2021

IECON 2021 - 47TH ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY, pp. 1 - 6

18. AFC, V2

Relational Data Index Consolidation

Kvet, Michal

28th IEEE Conference of Open-Innovations-Association (FRUCT)

2021

PROCEEDINGS OF THE 28TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION FRUCT , pp.215-221

19. AFC, V2

Relational Pre-indexing Layer Supervised by the DB_index_consolidator Background Process

Kvet, Michal and Kvet, Marek

28th IEEE Conference of Open-Innovations-Association (FRUCT)

2021

PROCEEDINGS OF THE 28TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION FRUCT , pp.222-229

20. V2

Autonomous Temporal Transaction Database

Kvet, Michal

30th Conference of Open-Innovations-Association (FRUCT)

2021

30TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION FRUCT , pp.121-128

21. ADC, V3

Concept of temporal data retrieval: Undefined value management

Kvet, Michal; Toth, Stefan and Krsak, Emil

Annual Workshop on Intelligent Systems for the Internet of Things

Jul 10 2020

CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE 32 (13), pp. 1 - 12

22. ADM, V3

Classification Rules for Temporal Databases

Kvet, Michal and Matiasko, Karol

Jul 2020

IPSI BGD TRANSACTIONS ON INTERNET RESEARCH 16 (2) , pp.31-38

23. ADM

Data Block and Tuple Identification Using Master Index

Kvet, Michal and Matiasko, Karol

Apr 2020

SENSORS 20 (7), pp. 1 - 31

24. AFC, V3

Analysis of current trends in relational database indexing

Kvet, Michal and Matiasko, Karol

4th IEEE International Conference on Smart Systems and Technologies (SST)

2020

PROCEEDINGS OF 2020 INTERNATIONAL CONFERENCE ON SMART SYSTEMS AND TECHNOLOGIES (SST 2020) , pp.109-114

25. AFC, V2

Solution Management for Current Temporal Aspect Using Tuple Versions

Kvet, Michal

27th IEEE Conference of Open-Innovations-Association (FRUCT)

2020

PROCEEDINGS OF THE 2020 27TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT) , pp.101-107

26. AFD, V2

Comparison of query performance in relational a non-relation databases

Ceresnák, Roman and Kvet, Michal

13th International Scientific Conference on Sustainable, Modern and Safe Transport (TRANSCOM) 2019

13TH INTERNATIONAL SCIENTIFIC CONFERENCE ON SUSTAINABLE, MODERN AND SAFE TRANSPORT (TRANSCOM 2019) 40 , pp.170-177

27. AFC, V2

Temporal Data Version Identification using Signature Hash

Kvet, Michal and Matiasko, Karol

45th Annual Conference of the IEEE Industrial Electronics Society (IECON)

2019

45TH ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY (IECON 2019) , pp.2800-2807

28. ADM, V3

Complex management in temporal databases

Kvet, Michal and Matiasko, Karol

2019

INTERNATIONAL JOURNAL ON INFORMATION TECHNOLOGIES AND SECURITY 11 , pp.35-48

29. AFC, V2

Data Management in Hierarchical Database - Branches Notification

Kvet, Michal and Matiasko, Karol

24th Conference of Open-Innovations-Association (FRUCT)

2019

PROCEEDINGS OF THE 24TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT) , pp.206-213

30. AFD, V2

Versioned database storage using unitemporal relational database

Janech, Jan; Tavec, Marek and Kvet, Michal

IEEE 15th International Scientific Conference on Informatics (INFORMATICS)

2019

2019 IEEE 15TH INTERNATIONAL SCIENTIFIC CONFERENCE ON INFORMATICS (INFORMATICS 2019) , pp.31-35

31.

Efficiency of the relational database tuple access

Kvet, Michal and **Matiasko, Karol**

IEEE 15th International Scientific Conference on Informatics (INFORMATICS)

2019

2019 IEEE 15TH INTERNATIONAL SCIENTIFIC CONFERENCE ON INFORMATICS (INFORMATICS 2019) ,

pp.231-236

32. AFD, V3

Concept of Temporal Data Retrieval Undefined Value Management

Kvet, Michal and **Matiasko, Karol**

18th International Conference on Innovations for Community Services (I4CS)

2018

INNOVATIONS FOR COMMUNITY SERVICES, I4CS 2018 863 , pp.63-74

33. AFD, V2

Temporal Flower Index Eliminating Impact of High Water Mark

Kvet, Michal and **Matiasko, Karol**

18th International Conference on Innovations for Community Services (I4CS)

2018

INNOVATIONS FOR COMMUNITY SERVICES, I4CS 2018 863 , pp.85-98

34. AFC

Temporal Database Architecture Enhancements

Kvet, Michal; **Krsák, Emil** and **Matiasko, Karol**

22nd Conference of Open-Innovations-Association (FRUCT)

2018

PROCEEDINGS OF THE 2018 22ND CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT) , pp.121-130

35. AFC, V2

Temporal Extension of the Select Statement - New Clauses

Kvet, Michal and **Matiasko, Karol**

23rd Conference of Open Innovations Association FRUCT

2018

PROCEEDINGS OF THE 2018 23RD CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT) , pp.211-216

36. ADC, V3

Temporal transaction integrity constraints management

Kvet, Michal and **Matiasko, Karol**

Mar 2017

CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS 20 (1) , pp.673-688

37. AFD, V2
Temporal data retrieval efficiency
Kvet, Michal and Matiasko, Karol
14th IEEE International Scientific Conference on Informatics
2017
2017 IEEE 14TH INTERNATIONAL SCIENTIFIC CONFERENCE ON INFORMATICS , pp.197-202
38. AFD, V2
Medical data management
Matiasko, Karol and **Kvet, Michal**
14th IEEE International Scientific Conference on Informatics
2017
2017 IEEE 14TH INTERNATIONAL SCIENTIFIC CONFERENCE ON INFORMATICS , pp.253-258
39. AFD, V2
Temporal Data Group Management Synchronization layer using attribute oriented approach
Kvet, Michal and Matiasko, Karol
International Conference on Information and Digital Technologies (IDT)
2017
2017 INTERNATIONAL CONFERENCE ON INFORMATION AND DIGITAL TECHNOLOGIES (IDT) , pp.218-226
40. AFD, V2
Temporal database management Temporal registration
Kvet, Michal and Kvet, Marek
International Conference on Information and Digital Technologies (IDT)
2017
2017 INTERNATIONAL CONFERENCE ON INFORMATION AND DIGITAL TECHNOLOGIES (IDT) , pp.227-233
41. AFC, V2
Temporal Model Architecture and Operations
Kvet, Michal and Matiasko, Karol
2nd IEEE International Conference on Smart Systems and Technologies (SST)
2017
PROCEEDINGS OF 2017 INTERNATIONAL CONFERENCE ON SMART SYSTEMS AND TECHNOLOGIES (SST) ,
pp.11-16
42. AFC, V2
Time as the Important Factor of the Data Retrieval - Table Type Classification
Kvet, Michal and Matiasko, Karol
World Conference on Information Systems and Technologies (WorldCIST)
2017
RECENT ADVANCES IN INFORMATION SYSTEMS AND TECHNOLOGIES, VOL 1 569 , pp.492-502

43. AFC, V2

Concept of Dynamic Index Management in Temporal Approach Using Intelligent Transport Systems

Kvet, Michal and **Matiasko, Karol**

World Conference on Information Systems and Technologies (WorldCIST)

2017

RECENT ADVANCES IN INFORMATION SYSTEMS AND TECHNOLOGIES, VOL 1 569 , pp.549-560

44. AFD, V2

Temporal Context Manager

Kvet, Michal and **Matiasko, Karol**

2nd Annual International Scientific Federated Conference on Software Development and Object Technologies (SDOT)

2017

PROCEEDINGS OF THE 2015 FEDERATED CONFERENCE ON SOFTWARE DEVELOPMENT AND OBJECT TECHNOLOGIES 511 , pp.169-192

45. AFD, V3

Temporal index location in multiple tablespace type definitions

Kvet, Michal and **Matiasko, Karol**

12th International Scientific Conference of Young Scientists on Sustainable, Modern and Safe Transport

2017

12TH INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS ON SUSTAINABLE, MODERN AND SAFE TRANSPORT 192 , pp.516-521

46. AFC, V2

Impact of Index Structures on Temporal Database Performance

Kvet, Michal and **Matiasko, Karol**

10th UKSim-AMSS European Modelling Symposium on Computer Modelling and Simulation (EMS)

2016

UKSIM-AMSS 10TH EUROPEAN MODELLING SYMPOSIUM ON COMPUTER MODELLING AND SIMULATION (EMS) , pp.3-9

47. AFC, V2

Performance Study of the Index Structures in Audited Environment

Kvet, Michal and **Vajsova, Monika**

11th International Conference on Internet Technology and Secured Transactions (ICITST)

2016

2016 11TH INTERNATIONAL CONFERENCE FOR INTERNET TECHNOLOGY AND SECURED TRANSACTIONS (ICITST) , pp.459-464

48. AFC, V2

Trigger Performance Characteristics in Temporal Environment

Kvet, Michal and **Matiasko, Karol**

2nd International Conference on Systems Informatics, Modelling and Simulation (SIMS)

2016

2ND INTERNATIONAL CONFERENCE ON SYSTEMS INFORMATICS, MODELLING AND SIMULATION (SIMS 2016) , pp.72-77

49. AFD, V2

Temporal Index Dispatcher Layer Service for Intelligent Transport System

Kvet, Michal; Matiasko, Karol and Kvet, Marek

ELEKTRO 11th International Conference

2016

2016 ELEKTRO 11TH INTERNATIONAL CONFERENCE , pp.417-422

50. AFC, V2

Managing and Storing Function Results in Temporal Approach

Kvet, Michal; Matiasko, Karol and Kvet, Marek

2nd International Conference on Open and Big Data (OBD)

2016

PROCEEDINGS 2016 2ND INTERNATIONAL CONFERENCE ON OPEN AND BIG DATA - OBD 2016 , pp.87-94

51. AFC, V2

Accuracy Sensitivity of the Radial Approach to Large Public Service System Design

Kvet, Marek and **Kvet, Michal**

11th Iberian Conference on Information Systems and Technologies (CISTI)

2016

2016 11TH IBERIAN CONFERENCE ON INFORMATION SYSTEMS AND TECHNOLOGIES (CISTI), pp. 128 - 135

52. AEC, V2

Epsilon Data Management in MRI Results Processing

Kvet, Michal; Vajsová, Monika and Matiasko, Karol

10th International Conference on Digital Technologies (DT 2014)

2016

APPLICATIONS OF COMPUTATIONAL INTELLIGENCE IN BIOMEDICAL TECHNOLOGY 606 , pp.119-141

53. AFC, V2

Experimental Comparison of Syntax and Semantics of DBS Oracle and MySQL

Kvet, Michal; Fidesová, Lucia and Matiasko, Karol

19th Conference of Open-Innovations-Association (FRUCT)

2016

PROCEEDINGS OF THE 19TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT) , pp.128-137

54. AFC, V2

Sensor Based Transaction Temporal Database Architecture

Kvet, Michal; Matiasko, Karol and Vajsová, Monika

IEEE World Conference on Factory Communication Systems (WFCS)

2015

2015 IEEE WORLD CONFERENCE ON FACTORY COMMUNICATION SYSTEMS (WFCS), pp. 1 - 8

55. AFD, V2
Index distribution management in attribute level temporal model
Kvet, Michal
International Conference on Information and Digital Technologies (IDT)
 2015
 2015 INTERNATIONAL CONFERENCE ON INFORMATION AND DIGITAL TECHNOLOGIES (IDT) , pp.206-214
56. AFC, V2
Data Management in Bioengineering Systems
Kvet, Michal; Vajsová, Monika; (...); Kvet, Marek
IEEE 9th International Symposium on Intelligent Signal Processing (WISP)
 2015
 2015 IEEE 9th International Symposium on Intelligent Signal Processing (WISP) , pp.153-158
57. AFC, V2
Complex time management in databases
Kvet, Michal; Matiasko, Karol and Kvet, Marek
 Dec 2014
 OPEN COMPUTER SCIENCE 4 (4) , pp.269-284
58. ADE, V2
Transaction Management in Temporal System
Kvet, Michal and Matiasko, Karol
9th Iberian Conference on Information Systems and Technologies (CISTI)
 2014
 PROCEEDINGS OF THE 2014 9TH IBERIAN CONFERENCE ON INFORMATION SYSTEMS AND TECHNOLOGIES (CISTI 2014), pp. 868 - 873
59. AFC, V2
Transaction Management in Fully Temporal System
Kvet, Michal; Matiasko, Karol and Kvet, Marek
16th UKSim-AMSS International Conference on Computer Modelling and Simulation (UKSim)
 2014
 2014 UKSIM-AMSS 16TH INTERNATIONAL CONFERENCE ON COMPUTER MODELLING AND SIMULATION (UKSIM) , pp.148-153
60. AFC, V2
Application for Brain Tumour Imaging
Kvet, Michal; Kvet, Marek and Matiasko, Karol
21st International Conference on Systems, Signals and Image Processing (IWSSIP)
 2014
 21ST INTERNATIONAL CONFERENCE ON SYSTEMS, SIGNALS AND IMAGE PROCESSING (IWSSIP 2014) , pp.47-50

61. AFC, V2

Extended Column Level Temporal System Indexing

Kvet, Michal and Vajsová, Monika

8th UKSim-AMSS European Modelling Symposium on Computer Modelling and Simulation (EMS)
2014

UKSIM-AMSS EIGHTH EUROPEAN MODELLING SYMPOSIUM ON COMPUTER MODELLING AND SIMULATION
(EMS 2014) , pp.5-10

62. AFC, V2

Temporal data modelling Conventional and temporal table

Kvet, Michal; Lieskovsky, Anton and Matiasko, Karol

8th International Conference on Computer Science and Education (ICCSE)
2013

PROCEEDINGS OF THE 2013 8TH INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE & EDUCATION
(ICCSE 2013) , pp.452-459

63. AFD, V2

Uni-temporal and Bi-temporal Table

Kvet, Michal and Matiasko, Karol

9th International Conference on Digital Technologies (DT)
2013

2013 INTERNATIONAL CONFERENCE ON DIGITAL TECHNOLOGIES (DT) , pp.21-32

64. AFD, V2

Magnetic resonance imaging results processing

Kvet, Michal and Matiasko, Karol

9th International Conference on Digital Technologies (DT)
2013

2013 INTERNATIONAL CONFERENCE ON DIGITAL TECHNOLOGIES (DT) , pp.116-126

65. AFB, V2

As time flows - in databases

Kvet, Michal and Matiasko, Karol

12th International Conference on Informatics (INFORMATICS 2013)
2013

INFORMATICS 2013: PROCEEDINGS OF THE TWELFTH INTERNATIONAL CONFERENCE ON INFORMATICS ,
pp.18-27

66. AFC, V2

Uni-temporal Modelling Extension at the Object vs. Attribute Level

Kvet, Michal and Matiasko, Karol

UKSim-AMSS 7th European Modelling Symposium on Computer Modelling and Simulation (EMS)
2013

UKSIM-AMSS SEVENTH EUROPEAN MODELLING SYMPOSIUM ON COMPUTER MODELLING AND
SIMULATION (EMS 2013) , pp.8-13

Zdroj: <https://www.webofscience.com/wos/author/record/15494069>

Výstupy v impaktovaných vedeckých časopisoch zaradených v databázach WoS (JCR) s autorským podielom uchádzača minimálne 25 percent

ID	Autorský podiel	Názov práce	Kvartil
1	80	Data block and tuple identification using master index	Q1
2	80	Treating temporal function references in relational database management system	Q2
3	25	The new label bit repair fast reroute mechanism	Q2
4	80	A framework for preparing a balanced and comprehensive phishing dataset	Q2
5	75	Enhancing analytical select statements using reference aliases	Q2
6	25	Optimization of fire brigade deployment by means of mathematical programming	Q2
7	75	The complexity of the data retrieval process using the proposed index extension	Q2
8	25	Enhanced bit repair IP Fast Reroute mechanism for rapid network recovery	Q2
9	70	Study on effective temporal data retrieval leveraging complex indexed architecture	Q2
10	80	Temporal transaction integrity constraints management	Q2
11	45	Concept of temporal data retrieval : undefined value management	Q3
12	50	Locating and accessing large datasets using Flower Index Approach	Q3
13	100	Concept of select unlocking optimization	Q4

1. ADM

ID: 183462 | **Data block and tuple identification using master index** / Kvet, Michal (80%) ; Matiaško, Karol (20%). – DOI 10.3390/s20071848. – SCO ; WOS CC
 In: Sensors . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN 1424-3210. – ISSN (online) 1424-8220. – Roč. 20, č. 7 (2020), s. [1-31] [online] [tlačená forma]
 IF 3,576 – 2020
 2020, JIF
 Chemistry, analytical - Q2, Engineering, electrical & electronic - Q2, Instruments & instrumentation - Q1

2. V3

ID: 1622636 | **Treating temporal function references in relational database management system** / Kvet, Michal (80%) ; Papán, Jozef (10%) ; Hrínová Durneková, Martina (10%). — DOI 10.1109/ACCESS.2024.3387046. – SCIE ; CCC ; SCO ; WOS CC.
 In: IEEE Access : practical innovations, open solutions. – Piscataway (USA) : Institute of Electrical and Electronics Engineers. – ISSN (online) 2169-3536. – Roč. 12 (2024), s. 54535-54552
 IF 3.4 – 2023
 2023, JIF
 Computer science, information systems - Q2, Engineering, electrical & electronic - Q2, Telecommunications - Q2

3. V3
 ID: 1614749 | **The new label bit repair fast reroute mechanism** / Papán, Jozef (49%) ; Chovanec, Tomáš (1%) ; Brídová, Ivana (25%) ; **Kvet, Michal (25%)**. – DOI 10.1109/ACCESS.2024.3379150. – SCIE ; CCC ; SCO ; WOS CC.
 In: IEEE Access : practical innovations, open solutions. – Piscataway (USA) : Institute of Electrical and Electronics Engineers. – ISSN (online) 2169-3536. – Roč. 12 (2024), s. 46487-46503 [online]
 IF 3.4 – 2023
 2023, JIF
 Computer science, information systems - Q2, Engineering, electrical & electronic - Q2, Telecommunications - Q2
4. V3
 ID: 1622637 | **A framework for preparing a balanced and comprehensive phishing dataset** / Škula, Ivan (20%) ; **Kvet, Michal (80%)**. – DOI 10.1109/ACCESS.2024.3387437. – SCIE ; CCC ; SCO ; WOS CC.
 In: IEEE Access : practical innovations, open solutions. – Piscataway (USA) : Institute of Electrical and Electronics Engineers. – ISSN (online) 2169-3536. – Roč. 12 (2024), s. 53610-53622 [online]
 IF 3.4 – 2023
 2023, JIF
 Computer science, information systems - Q2, Engineering, electrical & electronic - Q2, Telecommunications - Q2
5. V3
 ID: 1546102 | **Enhancing analytical select statements using reference aliases** / **Kvet, Michal (75%)** ; Papán, Jozef (25%). – DOI 10.1109/ACCESS.2024.3366455. – SCIE ; CCC ; SCO ; WOS CC.
 In: IEEE Access : practical innovations, open solutions. – Piscataway (USA) : Institute of Electrical and Electronics Engineers. – ISSN (online) 2169-3536. – Roč. 12 (2024), s. 27311-27330 [online]
 IF 3.4 – 2023
 2023, JIF
 Computer science, information systems - Q2, Engineering, electrical & electronic - Q2, Telecommunications - Q2
6. V3
 ID: 1051576 | **Optimization of fire brigade deployment by means of mathematical programming** / Leitner, Bohuš (25%) ; Ballay, Michal (25%) ; Kvet, Marek (25%) ; **Kvet, Michal (25%)**. – DOI 10.3390/pr11041262. – CCC ; SCO ; WOS CC ; SCIE
 In: Processes . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2227-9717. – Roč. 11, č. 4 (2023), s. [1-21] [online]
 IF 2.8 – 2023
 2023, JIF
 Engineering, chemical - Q2
7. V3
 ID: 487906 | **The complexity of the data retrieval process using the proposed index extension** / **Kvet, Michal (75%)** ; Papán, Jozef (25%) - DOI 10.1109/ACCESS.2022.3170711. – CCC ; SCO ; WOS CC.
 In: IEEE Access : practical innovations, open solutions. – Piscataway (USA) : Institute of Electrical and Electronics Engineers. – ISSN (online) 2169-3536. – Roč. 10 (2022), s. 46187-46213 [online]
 IF 3.9 – 2022
 2022, JIF

Computer science, information systems - Q2, Engineering, electrical & electronic - Q2,
Telecommunications - Q2

8. ADC

ID: 252951 | **Enhanced bit repair IP Fast Reroute mechanism for rapid network recovery** / Papán, Jozef (40%) ; Segeč, Pavel (35%) ; Kvet, Michal (25%). – DOI 10.3390/app11073133. – SCO ; WOS CC ; CCC.

In: Applied sciences [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2076-3417. – Roč. 11, č. 7 (2021), s. [1-28] [online]
IF 2,838 – 2021

2021, JIF

Chemistry, multidisciplinary - Q3, Engineering, multidisciplinary - Q2, Materials science, multidisciplinary - Q3, Physics, applied - Q2

9. ADC

ID: 241155 | **Study on effective temporal data retrieval leveraging complex indexed architecture** / Kvet, Michal (70%) ; Kršák, Emil (25%) ; Matiaško, Karol (5%). – DOI 10.3390/app11030916. – SCO ; CCC ; WOS CC

In: Applied sciences [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2076-3417. – Roč. 11, č. 3 (2021), s. [1-38] [online]
IF 2,838 – 2021

2021, JIF

Chemistry, multidisciplinary - Q3, Engineering, multidisciplinary - Q2, Materials science, multidisciplinary - Q3, Physics, applied - Q2

10. ADC

ID: 689438 | **Temporal transaction integrity constraints management** / Kvet, Michal (80%) ; Matiaško, Karol (20%). – DOI 10.1007/s10586-017-0740-8. – CCC ; SCO ; WOS CC.

In: Cluster computing [textový dokument (print)] [elektronický dokument] . – Bussum (Holandsko) : Baltzer Science Publishers. – ISSN 1386-7857. – ISSN (online) 1573-7543. – Roč. 20, č. 1 (2017), s. 673-688 [tlačená forma] [online]

IF 1,601 – 2017

2017, JIF

Computer science, information systems - Q3, Computer science, theory & methods - Q2

11. ADC

ID: 212206 | **Concept of temporal data retrieval : undefined value management** / Kvet, Michal (45%) ; Toth, Štefan (Autor) (25%) ; Kršák, Emil (Autor) (30%). – [recenzované]. – DOI 10.1002/cpe.5399. – CCC ; SCO ; WOS CC.

In: Concurrency and computation-practice and experience. – USA : John Wiley & Sons. – ISSN 1532-0626. – ISSN (online) 1532-0634. – suppl. Roč. 32, č. 13 (2020), s. [1-12] [online] [tlačená forma]
IF 1.536 – 2020

2020, JIF

Computer science, software engineering - Q3, Computer science, theory & methods - Q3

12. ADC
 ID: 212200 | **Locating and accessing large datasets using Flower Index Approach / Kvet, Michal (50%)**; Kršák, Emil (40%); Matiaško, Karol (10%). — DOI 10.1002/cpe.5209. — CCC; SCO; WOS CC
 In: *Concurrency and computation-practice and.* — USA: John Wiley & Sons. — ISSN 1532-0626. — ISSN (online) 1532-0634. — suppl. Roč. 32, č. 13 (2020), s. [1-13] [online] [tlačená forma]
 IF 1.536 – 2020
 2020, JIF
 Computer science, software engineering - Q3, Computer science, theory & methods - Q3
13. ADC
 ID: 1051336 | **Concept of select unlocking optimization / Kvet, Michal (100%)**.. — WOS CC
 In: *IPSI Transactions on Internet Research*. — Belehrad (Srbsko): IPSI. — ISSN 1820-4503. — Roč. 19, č. 1 (2023), s. 4-11 [online] [tlačená forma]
 IF 0.4 – 2023
 2023, JIF
 Computer science, information systems - Q4

Citácie evidované v citačnej databáze WoS: 77

[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, INTCEC 2024

[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](#)

Sep 2024

SOFTWARE IMPACTS 21

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

[Dudás, A and Skrinárová, J](#)

Jan 2023

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 Matiasko, 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

Nov 2024

ECONOMIES 12 (11)

13. Retrieval method for English teaching resources based on decision tree algorithm

Du, JY

2023

INTERNATIONAL JOURNAL OF COMPUTER APPLICATIONS IN TECHNOLOGY 73 (4)

14. The Impact of Table and Index Compression on Data Access Time and CPU Costs

Salgová, V

World Conference on Information Systems and Technologies (WorldCIST)

2022

INFORMATION SYSTEMS AND TECHNOLOGIES, WORLDCIST 2022, VOL 3 470 , pp.484-494

15. Time-Series-Based Queries on Stable Transportation Networks Equipped with Sensors

Bollen, E; Hendrix, R; Kuijpers, B; Vaisman, A

Aug 2021

ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION 10 (8)

16. Query Rewriting for Incremental Continuous Query Evaluation in HIFUN

Zervoudakis, P; Kondylakis, H; Spyrtatos, N and Plexousakis, D

May 2021
ALGORITHMS 14 (5)

Database Index Balancing Strategy

Kvet, Michal

29th Conference of Open-Innovations Association (FRUCT)

2021

PROCEEDINGS OF THE 2021 29TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT), VOL 1 ,
pp.214-221

Citované v:

17. Automatic Indexing for MongoDB

Pernas, LD; Vichalkovski, A; Steingartner, W and Pustulka, E

27th European Conference on Advances in Databases and Information Systems (ADBIS)

2023

NEW TRENDS IN DATABASE AND INFORMATION SYSTEMS, ADBIS 2023 1850 , pp.535-543

18. Complex Testing System for Evaluation Results

Matiasco, K

World Conference on Information Systems and Technologies (WorldCIST)

2022

INFORMATION SYSTEMS AND TECHNOLOGIES, WORLDCIST 2022, VOL 3 470 , pp.576-584

Study of duplicate tuple management

Kvet, Michal

IEEE International Conference on Systems, Man, and Cybernetics (SMC)

2021

2021 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC) , pp.3081-3088

Citované v:

19. A State-of-Art Review on Prediction Model for Fatigue Performance of Welded Joints via Data-Driven Method

Feng, C; Xu, LY; Zhao, L ; Han, YD and Hao, KD

May 2023

ADVANCED ENGINEERING MATERIALS 25 (9)

Autonomous Temporal Time Zone Management

Kvet, Michal

47th Annual Conference of the IEEE-Industrial-Electronics-Society (IECON)

2021

IECON 2021 - 47TH ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY

Citované v:

20. Experimental investigation of conducted electromagnetic interference differential-mode performance in various split-phase induction motors designs

Miloudi, H; Miloudi, M; Ardjoun, SAE ; Nour, AA and Mahariq, I

Mar 2025

RESULTS IN ENGINEERING 25

21. AI-driven thermography-based fault diagnosis in single-phase induction motor

Atif, M; Azmat, S; Khan, F; Albogamy, FR and Khan, A

Dec 2024

RESULTS IN ENGINEERING 24

22. Thermal analysis and thermal management of high power density electric motors for aircraft electrification

[He, Q](#); [Wang, JW](#); [Li, KS](#); [Wang, XS](#) [Xu, ZH](#) and [Zhang, YB](#)

Feb 1 2025

APPLIED THERMAL ENGINEERING 260

23. [Comparison of New Solutions in IP Fast Reroute](#)

[Papan, J](#); [Bridova, I](#); [Brida, P](#), [Hraska, M](#); [Tatarka, S](#) and [Yeremenko, O](#)

2023

ELEKTRONIKA IR ELEKTROTECHNIKA 29 (2) , pp.78-83

[Relational Data Index Consolidation](#)

[Kvet, Michal](#)

28th IEEE Conference of Open-Innovations-Association (FRUCT)

2021

PROCEEDINGS OF THE 28TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION FRUCT , pp.215-221

Citované v:

24. [Impact of Preprocessing Using Substitution on the Performance of Selected NER Models - Results](#)

[Potocár, M](#)

[12th World Conference on Information Systems and Technologies \(WorldCIST\)](#)

2024

GOOD PRACTICES AND NEW PERSPECTIVES IN INFORMATION SYSTEMS AND TECHNOLOGIES, VOL 6, WORLDICST 2024 990 , pp.192-202

25. [Oracle APEX as a Tool for Data Analytics](#)

[Pastierik, I](#)

[12th World Conference on Information Systems and Technologies \(WorldCIST\)](#)

2024

GOOD PRACTICES AND NEW PERSPECTIVES IN INFORMATION SYSTEMS AND TECHNOLOGIES, VOL 6, WORLDICST 2024 990 , pp.203-214

26. [Automatic Indexing for MongoDB](#)

[Pernas, LD](#); [Vichalkovski, A](#); [Steingartner, W](#) and [Pustulka, E](#)

[27th European Conference on Advances in Databases and Information Systems \(ADBIS\)](#)

2023

NEW TRENDS IN DATABASE AND INFORMATION SYSTEMS, ADBIS 2023 1850 , pp.535-543

27. [Complex Testing System for Evaluation Results](#)

[Matiasco, K](#)

[World Conference on Information Systems and Technologies \(WorldCIST\)](#)

2022

INFORMATION SYSTEMS AND TECHNOLOGIES, WORLDICST 2022, VOL 3 470 , pp.576-584

[Relational Pre-indexing Layer Supervised by the DB index consolidator Background Process](#)

[Kvet, Michal](#) and **[Kvet, Marek](#)**

28th IEEE Conference of Open-Innovations-Association (FRUCT)

2021

PROCEEDINGS OF THE 28TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION FRUCT , pp.222-229

Citované v:

28. [Comparison of New Solutions in IP Fast Reroute](#)

[Papan, J](#); [Bridova, I](#); [Brida, P](#), [Hraska, M](#), [Tatarka, S](#) and [Yeremenko, O](#)

2023

ELEKTRONIKA IR ELEKTROTECHNIKA 29 (2) , pp.78-83

29. [The Effect of Partitioning and Indexing on Data Access Time](#)

[Salgová, V](#) and [Matiasco, K](#)

[29th Conference of Open-Innovations Association \(FRUCT\)](#)

2021

PROCEEDINGS OF THE 2021 29TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT),
VOL 1, pp.301-306

Concept of temporal data retrieval: Undefined value management

Kvet, Michal; Toth, Stefan and Krsak, Emil

Annual Workshop on Intelligent Systems for the Internet of Things

Jul 10 2020

CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE 32 (13)

Citované v:

30. Oracle APEX as a Tool for Data Analytics

Pastierik, I

12th World Conference on Information Systems and Technologies (WorldCIST)

2024

GOOD PRACTICES AND NEW PERSPECTIVES IN INFORMATION SYSTEMS AND TECHNOLOGIES, VOL
6, WORLDICIST 2024 990 , pp.203-214

31. The Investments in Human Capital within the Human Capital Management and the Impact on the
Enterprise's Performance

Kucharcíková, A; Miciak, M; Tokarcíková, E and Staffenová, N

Mar 2023

SUSTAINABILITY 15 (6)

32. Influencing Migration Processes by Real-Time Data

Ceresnak, R; Matiaszko, K and Dudas, A

28th IEEE Conference of Open-Innovations-Association (FRUCT)

2021

PROCEEDINGS OF THE 28TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION FRUCT , pp.48-54

33. Improvement of Data Searching in MongoDB with the Use of Oracle Database

Ceresnák, R; Matiaszko, K and Dudás, A

18th International Multi-Conference on Systems, Signals & Devices (SSD)

2021

2021 18TH INTERNATIONAL MULTI-CONFERENCE ON SYSTEMS, SIGNALS & DEVICES (SSD) ,
pp.1388-1393

Locating and accessing large datasets using Flower Index Approach

Kvet, Michal; Krsak, Emil and Matiaszko, Karol

Annual Workshop on Intelligent Systems for the Internet of Things

Jul 10 2020

CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE 32 (13)

Citované v:

34. Threat Defense: Cyber Deception Approach and Education for Resilience in Hybrid Threats Model

Steingartner, W; Galiniec, D and Kozina, A

Apr 2021

SYMMETRY-BASEL 13 (4)

Data Block and Tuple Identification Using Master Index

Kvet, Michal and Matiaszko, Karol

Apr 2020

SENSORS 20 (7)

Citované v:

35. 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

Analysis of current trends in relational database indexing

[Kvet, Michal](#) and [Matiascko, Karol](#)

4th IEEE International Conference on Smart Systems and Technologies (SST)
2020

PROCEEDINGS OF 2020 INTERNATIONAL CONFERENCE ON SMART SYSTEMS AND TECHNOLOGIES (SST 2020) , pp.109-114

Citované v:

36. [Intelligent Index Tuning Using Reinforcement Learning](#)

[Matczak, M](#) and [Czochanski, T](#)

[27th European Conference on Advances in Databases and Information Systems \(ADBIS\)](#)

2023

NEW TRENDS IN DATABASE AND INFORMATION SYSTEMS, ADBIS 2023 1850 , pp.523-534

37. [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

Comparison of query performance in relational a non-relation databases

[Ceresnák, Roman](#) and [Kvet, Michal](#)

13th International Scientific Conference on Sustainable, Modern and Safe Transport (TRANSCOM)
2019

13TH INTERNATIONAL SCIENTIFIC CONFERENCE ON SUSTAINABLE, MODERN AND SAFE TRANSPORT (TRANSCOM 2019) 40 , pp.170-177

Citované v:

38. [Unlocking Healthcare Data Potential: A Comprehensive Integration Approach with GraphQL, openEHR, Redis, and Pervasive Business Intelligence](#)

[Sousa, R](#); [Abelha, V](#); [Peixoto, H](#) and [Machado, J](#)

Dec 2024

TECHNOLOGIES 12 (12)

39. [Data losses and synchronization according to delay in PLC-based industrial automation systems](#)

[Hijazi, A](#); [Andó, M](#) and [Pödör, Z](#)

Sep 30 2024

HELIYON 10 (18)

40. [Redis-based full-text search extensions for relational databases](#)

[Liao, XH](#); [Peng, LL](#); [Yang, T](#); [Li, TR](#) and [Zhu, ZS](#)

Oct 2024

INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETICS 15 (10) , pp.4475-4491

41. [HayIoT: An IoT Standardization Architecture](#)

[Luna, J](#); [Santillan, S](#); [Zapata, J](#); [Zapata, J](#); [Iñiguez, F](#) and [Cordova-Garcia, J](#)

[19th IEEE Sensors Applications Symposium \(SAS\)](#)

2024

2024 IEEE SENSORS APPLICATIONS SYMPOSIUM, SAS 2024

42. [Application of UAVs and Image Processing for Riverbank Inspection](#)

[Chiang, CH](#) and [Juang, JG](#)

Sep 2023

MACHINES 11 (9)

43. [SQL and NoSQL Database Software Architecture Performance Analysis and Assessments-A Systematic Literature Review](#)
[Khan, W; Kumar, T; Zhang, C, Zhang, C, Raj, K, Roy, AM and Luo, B](#)
 Jun 2023
 BIG DATA AND COGNITIVE COMPUTING 7 (2)
44. [Real-Time UAV Trash Monitoring System](#)
[Liao, YH and Juang, JG](#)
 Feb 2022
 APPLIED SCIENCES-BASEL 12 (4)
45. [NoSql Database Optimization Based on Metadata About Queries and Relationships Between Objects](#)
[Ha, M; Shichkina, Y and Fatkueva, R](#)
[22nd International Conference on Computational Science and its Applications \(ICCSA\)](#)
 2022
 COMPUTATIONAL SCIENCE AND ITS APPLICATIONS - ICCSA 2022 WORKSHOPS, PART IV 13380 , pp.588-602
46. [Geographical big data management and analysis in smart cities: the example of air quality](#)
[Aydinoglu, AC; Bovkir, R and Bulut, M](#)
 2022
 GEOMATIK 7 (3) , pp.174-186
47. [Comparative Analysis of performance for SQL and NoSQL Databases](#)
[Erazo, ADD; Morales, MRM; Chávez, VKP and Cardoso, SLM](#)
[17th Iberian Conference on Information Systems and Technologies \(CISTI\)](#)
 2022
 2022 17TH IBERIAN CONFERENCE ON INFORMATION SYSTEMS AND TECHNOLOGIES (CISTI)
48. [Time Series Data Management Optimized for Smart City Policy Decision](#)
[Colosi, M; Martella, F; Parrino, G ; Celesti, A; Fazio, M and Villari, M](#)
[22nd IEEE/ACM International Symposium on Cluster, Cloud and Internet Computing \(CCGrid\)](#)
 2022
 2022 22ND IEEE/ACM INTERNATIONAL SYMPOSIUM ON CLUSTER, CLOUD AND INTERNET COMPUTING (CCGRID 2022) , pp.585-594
49. [Proposed Application for an Entity Component System in an Energy Services Interface](#)
[Slay, T; Spitzer, GB and Bass, RB](#)
[9th Annual IEEE Conference on Technologies for Sustainability \(IEEE SusTech\)](#)
 2022
 2022 IEEE CONFERENCE ON TECHNOLOGIES FOR SUSTAINABILITY (SUSTECH) , pp.177-180
50. [Impact of Data Compression on the Performance of Column-oriented Data Stores](#)
[Mladenova, T; Kalmukov, Y; Marinov, M and Valova, I](#)
 Jul 2021
 INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 12 (7) , pp.416-421
51. [Detecting Weak Signals of the Future: A System Implementation Based on Text Mining and Natural Language Processing](#)
[Griol-Barres, I; Milla, S; Cebrián, A; Fan, HA and Millet, J](#)
 Oct 2020
 SUSTAINABILITY 12 (19)
52. [RESTful Web Service Implementation on Unklab Information System Using JSON Web Token \(JWT\)](#)
[Adam, SI; Moedjahedy, JH and Maramis, J](#)
[2nd International Conference on Cybernetics and Intelligent System \(ICORIS\)](#)
 2020

PROCEEDINGS OF ICORIS 2020: 2020 THE 2ND INTERNATIONAL CONFERENCE ON CYBERNETICS AND INTELLIGENT SYSTEM (ICORIS) , pp.202-207

53. [Performance Evaluation of IoT Data Management Using MongoDB Versus MySQL Databases in Different Cloud Environments](#)

[Eyada, M](#); [Saber, W](#); [El Genidy, MM](#) and [Amer, F](#)

2020

IEEE ACCESS 8 , pp.110656-110668

[Versioned database storage using unitemporal relational database](#)

[Janech, Jan](#); [Tavac, Marek](#) and [Kvet, Michal](#)

IEEE 15th International Scientific Conference on Informatics (INFORMATICS)

2019

2019 IEEE 15TH INTERNATIONAL SCIENTIFIC CONFERENCE ON INFORMATICS (INFORMATICS 2019), pp.31-35

Citované v:

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

[Dudás, A](#) and [Demian, D](#)

Jun 14 2024

DISCOVER COMPUTING 27 (1)

55. [The Effect of Partitioning and Indexing on Data Access Time](#)

[Salgová, V](#) and [Matiascko, K](#)

[29th Conference of Open-Innovations Association \(FRUCT\)](#)

2021

PROCEEDINGS OF THE 2021 29TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT), VOL 1 , pp.301-306

[Efficiency of the relational database tuple access](#)

[Kvet, Michal](#) and [Matiascko, Karol](#)

IEEE 15th International Scientific Conference on Informatics (INFORMATICS)

2019

2019 IEEE 15TH INTERNATIONAL SCIENTIFIC CONFERENCE ON INFORMATICS (INFORMATICS 2019) , pp.231-236

Citované v:

56. [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

[Temporal Database Architecture Enhancements](#)

[Kvet, Michal](#); [Krsák, Emil](#) and [Matiascko, Karol](#)

22nd Conference of Open-Innovations-Association (FRUCT)

2018

PROCEEDINGS OF THE 2018 22ND CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT) , pp.121-130

Citované v:

57. [An optimized fuzzy based FP-growth algorithm for mining temporal data](#)

[Kumar, BP](#); [Padmavathy, T](#); [Muthunaqai, SU](#) and [Paulraj, D](#)

2024

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS 46 (1) , pp.41-51

Temporal transaction integrity constraints management

Kvet, Michal and Matiasko, Karol

Mar 2017

CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS 20 (1), pp.673-688

Citované v:

58. PALADIN: A process-based constraint language for data validation
Díaz-Honrubia, AJ; Rohde, PD; Menasalvas, E and Vidal, ME

Dec 2024

INFORMATION FUSION 112

Medical data management

Matiasko, Karol and Kvet, Michal

14th IEEE International Scientific Conference on Informatics

2017

2017 IEEE 14TH INTERNATIONAL SCIENTIFIC CONFERENCE ON INFORMATICS, pp.253-258

Citované v:

59. Disinformation Campaigns: Battling Misinformation for Resilience in Hybrid Threats Model
Steingartner, W; Galínek, D; Valko, D and Adám, N

2024

ACTA POLYTECHNICA HUNGARICA 21 (10), pp.517-532

Concept of Dynamic Index Management in Temporal Approach Using Intelligent Transport Systems

Kvet, Michal and Matiasko, Karol

World Conference on Information Systems and Technologies (WorldCIST)

2017

RECENT ADVANCES IN INFORMATION SYSTEMS AND TECHNOLOGIES, VOL 1 569, pp.549-560

Citované v:

60. Computation of Transportation Performance in Public Service Systems
Czimmermann, P and Kohani, M

IEEE Workshop on Complexity in Engineering (COMPENG)

2018

2018 IEEE WORKSHOP ON COMPLEXITY IN ENGINEERING (COMPENG 2018)

Impact of Index Structures on Temporal Database Performance

Kvet, Michal and Matiasko, Karol

10th UKSim-AMSS European Modelling Symposium on Computer Modelling and Simulation (EMS)

2016

UKSIM-AMSS 10TH EUROPEAN MODELLING SYMPOSIUM ON COMPUTER MODELLING AND SIMULATION (EMS), pp.3-9

Citované v:

61. Indexing Continuous Paths in Temporal Graphs
Kuijpers, B; Ribas, J; Soliani, V and Vaisman, A

26th European Conference on Advances in Databases and Information Systems (ADBIS)

2022

NEW TRENDS IN DATABASE AND INFORMATION SYSTEMS, ADBIS 2022 1652, pp.232-242

62. Models and Query Languages for Temporal Property Graph Databases

Soliani, V

26th European Conference on Advances in Databases and Information Systems (ADBIS)

2022

NEW TRENDS IN DATABASE AND INFORMATION SYSTEMS, ADBIS 2022 1652 , pp.623-630

63. [Intelligent Indexing-Boosting Performance in Database Applications by Recognizing Index Patterns](#)
[Albert, AA](#); [Blas, NG](#) and [López, LFD](#)

Sep 2020

ELECTRONICS 9 (9)

[Trigger Performance Characteristics in Temporal Environment](#)

[Kvet, Michal](#) and [Matiaszko, Karol](#)

2nd International Conference on Systems Informatics, Modelling and Simulation (SIMS)

2016

2ND INTERNATIONAL CONFERENCE ON SYSTEMS INFORMATICS, MODELLING AND SIMULATION (SIMS 2016) , pp.72-77

Citované v:

64. [GPS Week Number Rollover Timestamp Complement](#)
[Qabalin, MK](#); [Naser, M](#); [Hawajreh, WM](#) and [Abu-Zaideh, S](#)

Dec 2021

SENSORS 21 (23)

[Temporal Index Dispatcher Layer Service for Intelligent Transport System](#)

[Kvet, Michal](#); [Matiaszko, Karol](#) and [Kvet, Michal](#)

ELEKTRO 11th International Conference

2016

2016 ELEKTRO 11TH INTERNATIONAL CONFERENCE , pp.417-422

Citované v:

65. [EDUCATION PROCESS FOR FIREFIGHTERS WITH USING VIRTUAL AND AUGMENTED REALITY](#)
[Fanfarová, A](#) and [Maris, L](#)

[10th Annual International Conference of Education, Research and Innovation \(ICERI\)](#)

2017

10TH INTERNATIONAL CONFERENCE OF EDUCATION, RESEARCH AND INNOVATION (ICERI2017) , pp.540-549

[Accuracy Sensitivity of the Radial Approach to Large Public Service System Design](#)

[Kvet, Marek](#) and [Kvet, Michal](#)

11th Iberian Conference on Information Systems and Technologies (CISTI)

2016

2016 11TH IBERIAN CONFERENCE ON INFORMATION SYSTEMS AND TECHNOLOGIES (CISTI)

Citované v:

66. [EDUCATION PROCESS FOR FIREFIGHTERS WITH USING VIRTUAL AND AUGMENTED REALITY](#)
[Fanfarová, A](#) and [Maris, L](#)

[10th Annual International Conference of Education, Research and Innovation \(ICERI\)](#)

2017

10TH INTERNATIONAL CONFERENCE OF EDUCATION, RESEARCH AND INNOVATION (ICERI2017) , pp.540-549

[Index distribution management in attribute level temporal model](#)

[Kvet, Michal](#)

International Conference on Information and Digital Technologies (IDT)

2015

2015 INTERNATIONAL CONFERENCE ON INFORMATION AND DIGITAL TECHNOLOGIES (IDT), pp.206-214

Citované v:

67. [Multiple-Valued Logic in Analysis of Critical States of Multi-State System](#)

[Kvassay, M](#); [Rabcan, J](#) and [Rusnak, P](#)

[International Conference on Information and Digital Technologies \(IDT\)](#)

2017

2017 INTERNATIONAL CONFERENCE ON INFORMATION AND DIGITAL TECHNOLOGIES (IDT) ,

pp.212-217

68. [Binary Decision Diagrams in Reliability Analysis of Standard System Structures](#)

[Kvassay, M](#); [Zaitseva, E](#); [Levashenko, V](#) and [Kostolny, J](#)

[International Conference on Information and Digital Technologies \(IDT\)](#)

2016

2016 INTERNATIONAL CONFERENCE ON INFORMATION AND DIGITAL TECHNOLOGIES (IDT) ,

pp.164-172

[Data Management in Bioengineering Systems](#)

[Kvet, Michal](#); [Vajsova, Monika](#); [Matiasco, K](#); [Kvet, Marek](#)

[IEEE 9th International Symposium on Intelligent Signal Processing \(WISP\)](#)

2015

2015 IEEE 9th International Symposium on Intelligent Signal Processing (WISP) , pp.153-158

Citované v:

69. [FAIR FACILITY ALLOCATION IN EMERGENCY SERVICE SYSTEM](#)

[Janáček, J](#); [Gábrisová, L](#) and [Plevný, M](#)

2020

JOURNAL OF BUSINESS ECONOMICS AND MANAGEMENT 21 (4) , pp.1058-1071

[Complex time management in databases](#)

[Kvet, Michal](#); [Matiasco, Karol](#) and [Kvet, Marek](#)

Dec 2014

OPEN COMPUTER SCIENCE 4 (4) , pp.269-284

Citované v:

70. [Some Aspects about Visualization of Natural Semantics for a Selected Domain-Specific Language](#)

[Steingartner, W](#); [Radakovic, D](#) and [Zsiga, R](#)

Jan 2023

IPSI BGD TRANSACTIONS ON INTERNET RESEARCH 19 (1) , pp.46-54

[Epsilon Temporal Data in MRI Results Processing](#)

[Kvet, Michal](#) and [Matiasco, Karol](#)

[10th International Conference on Digital Technologies](#)

2014

2014 10TH INTERNATIONAL CONFERENCE ON DIGITAL TECHNOLOGIES (DT) , pp.198-206

Citované v:

71. [Computation of Transportation Performance in Public Service Systems](#)

[Czimmermann, P](#) and [Kohani, M](#)

[IEEE Workshop on Complexity in Engineering \(COMPENG\)](#)

2018

2018 IEEE WORKSHOP ON COMPLEXITY IN ENGINEERING (COMPENG 2018)

72. [Calculating Reduction Coefficients for Optimization of Emergency Service System Using Microscopic Simulation Model](#)

[Jankovic, P](#)

[17th IEEE International Symposium on Computational Intelligence and Informatics \(CINTI\)](#)

2016

2016 17TH IEEE INTERNATIONAL SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE AND INFORMATICS (CINTI 2016) , pp.163-167

Transaction Management in Fully Temporal System

Kvet, Michal; Matiaszko, Karol and Kvet, Marek

16th UKSim-AMSS International Conference on Computer Modelling and Simulation (UKSim)

2014

2014 UKSIM-AMSS 16TH INTERNATIONAL CONFERENCE ON COMPUTER MODELLING AND SIMULATION (UKSIM) , pp.148-153

Citované v:

73. [Adaptive Retrieval Time-Related Data Model for Tracking Factors Affecting Diabetes](#)

AlBidewi, J; Alotaibi, F and Alromema, N

Dec 2020

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 11 (12) , pp.423-433

74. [A 1NF Data Model for Representing Time-Varying Data in Relational Framework](#)

Alromema, N and Alotaibi, F

Feb 2018

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 9 (2) , pp.173-181

75. [Data Pre-processing: Case of Sensor Data Consistency Based on Bi-temporal Concepts](#)

Buksh, FA; Silva, PD and Wienen, H

[13th International Conference on Emerging Technologies \(ICET\)](#)

2017

2017 13TH INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES (ICET 2017)

76. [Binary Decision Diagrams in Reliability Analysis of Standard System Structures](#)

Kvassay, M; Zaitseva, E; Levashenko, V ; Kostolny, J

[International Conference on Information and Digital Technologies \(IDT\)](#)

2016

2016 INTERNATIONAL CONFERENCE ON INFORMATION AND DIGITAL TECHNOLOGIES (IDT) , pp.164-172

77. [A Comparative Study On Temporal Database Models: A Survey](#)

Arora, S

[International Symposium on Advanced Computing and Communication \(ISACC\)](#)

2015

2015 INTERNATIONAL SYMPOSIUM ON ADVANCED COMPUTING AND COMMUNICATION (ISACC) , pp.161-167

H-index v citačnej databáze WoS alebo Scopus

- Scopus: 8 (bez samocitácií), 10 (so samocitáciami)
<https://www.scopus.com/authid/detail.uri?authorId=57220698445>
- WoS: 6
<https://www.webofscience.com/wos/author/record/15494069>

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

c) Počet uchádzačov: 1

V Žiline dňa 02.12.2025

č. 26471/2025

.....
prof. Ing. Emil Kršák, PhD.
dekan FRI