Anexa 3

Concurs pentru ocuparea postului Cercetător științific (analist sistem) *Data 19.07.2017*
Proiectul de cercetare: „Sistem inteligent pentru realizarea ofertelor pe piața angro de energie electrica – SMARTRADE", ID P_37_418, nr. contract 62/05.09.2016

L I S T A D E L U C R Ă R I

Candidat: Tudorică A. Bogdan George - dr. din 29 mai 2015,

1. Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări din prezenta listă de lucrări:

1. Daniela Tudorică, Nicolae Paraschiv, Cornel Marinescu, **Bogdan Tudorică** - *A Robust Wireless Solution for Leak Detection and Localization in Oil Pipelines*, 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI 2016), IWSSS-7 (proceedings indexate BDI)
2. Asist. **Bogdan Tudorică** - *A Proposed Validation Method for a Benchmarking Methodology*, The International Journal of Sustainable Economies Management (IJSEM), Volume 3: Issue 4 (2014), pag. 1-10, DOI: 10.4018/ijsem.2014100101, ISSN: 2160-9659, EISSN: 2160-9667 (publicație indexată BDI)
3. Asist. **Bogdan Tudorică** - *A new application for the management of the MongoDB servers*, The International Journal of Sustainable Economies Management (IJSEM), Volume 2: Issue 3 (2013), pag. 58-71, DOI: 10.4018/ijsem.2013070105, ISSN: 2160-9659, EISSN: 2160-9667 (publicație indexată BDI)
4. Prof. Ion Lungu, Asist. **Bogdan Tudorică** - *The development of a benchmark tool for NoSQL databases*, Database Systems Journal, Vol. IV, Issue 2/2013, ISSN: 2069-3230 (publicație indexată BDI)
5. Asist. **Bogdan Tudorică** - *Challenges for the NoSQL systems: Directions for Further Research and Development*, The International Journal of Sustainable Economies Management (IJSEM), Volume 2: Issue 1 (2013), pag. 55-64, DOI: 10.4018/ijsem.2013010106, ISSN: 2160-9659, EISSN: 2160-9667 (publicație indexată BDI)
6. Asist. Bucur Cristian, Asist. **Bogdan Tudorică** - *A Research on Retrieving and Parsing of Multiple Web Pages for Storing Them in Large Databases*, The Proceedings of the 19th International Economic Conference - IECS 2012, The Persistence of the Economic Crises: Causes, Implications, Solutions, 15 June, 2012, Sibiu, Romania (proceedings indexate BDI).
7. Asist. **Bogdan Tudorica**, Asist. Bucur Cristian - *A comparison between several NoSQL databases with comments and notes*, The proceedings of „2011 - Networking in Education and Research" IEEE International Conference, June 23, 2011 – June 25, 2011, Alexandru Ioan Cuza University from Iasi (proceedings cotate ISI)
8. Asist. **Bogdan Tudorica** - *"Tools for data conversion/Migration and problems solved by such tools - Taxonomy and small case studies"* – The proceedings of "The 2nd International Conference on Operational Research (ICOR 2010)" organised by The University of Bucharest, Naval Academy Mircea cel Batran Constanta, The Romanian Academy, The Technical University of Civil Engineering Bucharest, 09-12 September 2010, Constanta, Romania (proceedings indexate BDI)
9. Conf. Dr. Ing. Dorel Dusmanescu, Prof. Dr. Ec. Ion Iarca, Asist. **Bogdan Tudorica**, Asist. Loredana Paunescu – *"A Datewarehouse Based Application For Optimizing Oilfield Exploitations"* - The Proceedings Of The International Conference "Sustainable Development In Conditions Of Economic Instability", Academia Comerciala Satu Mare, 2009 (proceedings indexate BDI), republicat in METALURGIA INTERNATIONAL vol. XIV (2009), special issue no.13, ISSN 1582-2214 (publicație cotată ISI)
10. Conf. Dr. Ing. Dorel Dusmanescu, Prof. Dr. Ec. Ion Iarca, Asist. **Bogdan Tudorica** – *"The Influence Of A Crisis Period On The Evolution Of Energy Consumption In The European Union – A Statistical Analisys"* - The Proceedings Of The International Conference "Sustainable Development In Conditions Of Economic Instability", Academia Comerciala Satu Mare, 2009 (proceedings indexate BDI), republicat in METALURGIA INTERNATIONAL vol. XIV (2009), special issue no.13, ISSN 1582-2214 (publicație cotată ISI)

2 Teza(-ele) de doctorat

T1. Doctorat în Informatică Economică, teza de doctorat cu titlul "Soluții de organizare a volumelor mari de date" (nivel 8 EQF), Academia de Studii Economice București. Titlu obținut cu distincția "Magna cum laudae".

3 Cărți/cursuri publicate în edituri recunoscute(Ca1, Ca2 etc.), îndrumare publicate(I1, I2 etc.), capitole publicate în volume colective, capitole teoretice redactate, (D1, D2 etc.), după caz, prin care se aduc contribuții a dezvoltarea activităților didactice/profesionale.

Ca1. **Bogdan Tudorică** – *Călătorie prin lumea Big Data*, Bucureşti, Editura Printech, 2016, 331 pagini, ISBN 978-606-23-0605-2

Ca2. Bogdan Tudorică, Teodora Daniela Chicioreanu, Bogdan Sava - *Tehnologii informaționale în sprijinul afacerii tale*, Bucureşti, Politehnica Press, 2012, 164 pagini, autor al paginilor 7-84 (77 pag.), ISBN 978-606-515-429-2

Ca3. Albu Gabriel, Roxana Enache, Emil Stan şi colectivul – *Psihopedagogie - Sinteze de curs pentru studenți, nivelul I* - Editura Universității Petrol-Gaze din Ploiesti, 2009, 333 pagini, autor al paginilor 309-333 (25 pag.), ISBN 978-973-719-303-2, (cod CNCSIS 87)

4 Cărți de specialitate publicate în edituri recunoscute(Cb1, Cb2 etc.), **articole/studii** publicate in extenso în reviste de specialitate de circulație internațională recunoscute (reviste cotate ISI sau indexate în baze de date internaționale specifice domeniului) (Ri1, Ri2etc.), **articole/studii** in extenso publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN/ ISBN) (Vi1,Vi2 etc.), precum și **alte lucrări similare**: articole/studii publicate in extenso în reviste de specialitate de circulație națională recunoscute CNCSIS (Rn1, Rn2 etc.), articole/studii publicate in extenso în volumele unor manifestări științifice naționale (cu ISSN/ISBN) (Vn1,Vn2 etc.), lucrări prezentate la diferite seminarii/expoziții, inovații etc. (E1, E2 etc.), după caz, prin care se aduc contribuții la dezvoltarea *domeniului*.

Ri1. Prof. Stan Costica Emil, Asist. **Bogdan Tudorică** – *Education and Aggression*, Education & Psychology Challanges - Teachers for the Knowledge Society International Conference 2015 (EPC-TKS 2015, 3rd Edition), publicat în Procedia - Social And Behavioral Sciences, Volume 203, 26 August 2015, pag. 374–379, DOI: 10.1016/j.sbspro.2015.08.311, ISSN: 1877-0428 (publicație indexată BDI)

Ri2. Asist. **Bogdan Tudorică** - *A Proposed Validation Method for a Benchmarking Methodology*, The International Journal of Sustainable Economies Management (IJSEM), Volume 3: Issue 4 (2014), pag. 1-10, DOI: 10.4018/ijsem.2014100101, ISSN: 2160-9659, EISSN: 2160-9667 (publicație indexată BDI)

Ri3. Asist. **Bogdan Tudorică** - *A new application for the management of the MongoDB servers*, The International Journal of Sustainable Economies Management (IJSEM), Volume 2: Issue 3 (2013), pag. 58-71, DOI: 10.4018/ijsem.2013070105, ISSN: 2160-9659, EISSN: 2160-9667 (publicație indexată BDI)

Ri4. Prof. Ion Lungu, Asist. **Bogdan Tudorică** - *The development of a benchmark tool for NoSQL databases*, Database Systems Journal, Vol. IV, Issue 2/2013, ISSN: 2069-3230 (publicație indexată BDI)

Ri5. Asist. **Bogdan Tudorică** - *Challenges for the NoSQL systems: Directions for Further Research and Development*, The International Journal of Sustainable Economies Management (IJSEM), Volume 2: Issue 1 (2013), pag. 55-64, DOI: 10.4018/ijsem.2013010106, ISSN: 2160-9659, EISSN: 2160-9667 (publicație indexată BDI)

Ri6. Conf. Dr. Ing. Dorel Dusmanescu, Prof. Dr. Ec. Ion Iarca, Asist. **Bogdan Tudorica**, Asist. Loredana Paunescu – *"A Datewarehouse Based Application For Optimizing Oilfield Exploitations"* - The Proceedings Of The International Conference "Sustainable Development In Conditions Of Economic Instability", Academia Comerciala Satu Mare, 2009 (proceedings indexate BDI), republicat in METALURGIA INTERNATIONAL vol. XIV (2009), special issue no.13, ISSN 1582-2214 (publicație cotată ISI)

Ri7. Conf. Dr. Ing. Dorel Dusmanescu, Prof. Dr. Ec. Ion Iarca, Asist. **Bogdan Tudorica** – *"The Influence Of A Crisis Period On The Evolution Of Energy Consumption In The European Union – A Statistical Analisys"* - The Proceedings Of The International Conference "Sustainable Development In Conditions Of Economic Instability", Academia Comerciala Satu Mare, 2009 (proceedings indexate BDI), republicat in METALURGIA INTERNATIONAL vol. XIV (2009), special issue no.13, ISSN 1582-2214 (publicație cotată ISI)

Vi1. Daniela Tudorică, Nicolae Paraschiv, Cornel Marinescu, **Bogdan Tudorică** - *A Robust Wireless Solution for Leak Detection and Localization in Oil Pipelines*, 8th International Conference on Electronics, Computers and Artificial Intelligence (ECAI 2016), IWSSS-7 (proceedings indexate BDI)

Vi2. Asist. Bucur Cristian, Asist. **Bogdan Tudorică** - *A Research on Retrieving and Parsing of Multiple Web Pages for Storing Them in Large Databases*, The Proceedings of the 19th International Economic Conference - IECS 2012, The Persistence of the Economic Crises: Causes, Implications, Solutions, 15 June, 2012, Sibiu, Romania (proceedings indexate BDI).

Vi3. Asist. **Bogdan Tudorică** - *e-Learning and the need for an unified tool (and what such a tool should be capable of?)*, Higher Education Teacher Training across Europe: Innovation and Research, ISBN:978-84-695-1656-0, Register no. 12/2151, 2012, Departamento de Didáctica de la Lengua y la Literatura, Melilla, Spain. (colecție internațională de articole publicată în volum)

Vi4. Asist. **Bogdan Tudorica**, Asist. Bucur Cristian - *A comparison between several NoSQL databases with comments and notes*, The proceedings of „2011 - Networking in Education and Research" IEEE International Conference, June 23, 2011 – June 25, 2011, Alexandru Ioan Cuza University from Iasi (proceedings cotate ISI)

Vi5. Asist. Bucur Cristian, Asist. **Bogdan Tudorica** - *Solutions for Working with Large Data Volumes in Web Applications* – The proceedings of International Conference on Informatics - IE 2011 „Education, Research & Business Technologies", 5 – 7 Mai 2011, Bucharest (proceedings indexate BDI)

Vi6. Asist. **Bogdan Tudorica** - *"Tools for data conversion/Migration and problems solved by such tools - Taxonomy and small case studies"* – The proceedings of "The 2nd International Conference on Operational Research (ICOR 2010)" organised by The University of Bucharest, Naval Academy Mircea cel Batran Constanta, The Romanian Academy, The Technical University of Civil Engineering Bucharest, 09-12 September 2010, Constanta, Romania (proceedings indexate BDI)

Vi7. Conf. Dr. Ing. Dorel Dusmanescu, Prof. Dr. Ec. Ion Iarca, Ing. Ruset Vasile, Asist. **Bogdan Tudorica** – "*Managementul Cunostintelor In Industria Petroliera*" – The Proceedings of The International Management Symposium SIM 2009, 10th Edition, 6-7.11.2009, Universitatea de Vest din Timisoara (proceedings indexate BDI)

Vi8. Conf. Dr. Ing. Dorel Dusmanescu, Asist. Loredana Paunescu, Asist. **Bogdan Tudorica**, Ing. Ruset Vasile – "*Modelarea Depozitelor De Date Pentru Industrie*" - The Proceedings of The International Management Symposium SIM 2009, 10th Edition, 6-7.11.2009, Universitatea de Vest din Timisoara (proceedings indexate BDI)

Rn1. Dorel Duşmănescu, **Bogdan Tudorică**, *Diagnoza reţelelor de calculatoare*, Buletinul Ştiinţific al Universităţii Petrol-Gaze din Ploieşti, Seria Ştiinţe socio-umane, economice şi juridice, Vol. LV, Nr. 2/2003, pg. 109-111, ISSN 1221-9371 (publicaţie indexată BDI)

Rn2. Dorel Duşmănescu, Iuliana Dobre, **Bogdan Tudorică**, *Aplicaţie pentru instruirea asistată de calculator în domeniul mecanic*, în Annales Universitatis Apulensis, seria Paedagogica-Psichologica nr. 2/2002, Alba Iulia, Universitatea „1 Decembrie 1918" Alba Iulia, pg. 105-111 (publicaţie cotată B+)

Rn3. Iuliana Dobre, Dorel Duşmănescu, **Bogdan Tudorică**, *O alternativă pentru evaluarea performanţelor studenţilor,* Annales Universitatis Apulensis, seria Paedagogica-Psichologica nr. 2/2002, Alba Iulia, Universitatea „1 Decembrie 1918" Alba Iulia, pg. 138-146 (publicaţie cotată B+)

5. Citări ale lucrărilor publicate: referința bibliografică a lucrării citate(Ci1, Ci2) și referința/ele bibliografică/e a/ale lucrării care citează (Ci1.1, Ci1.2...., Ci2.1, Ci2.2, etc.)

Ci1. Asist. **Bogdan Tudorica**, Asist. Bucur Cristian - *A comparison between several NoSQL databases with comments and notes*, The proceedings of „2011 - Networking in Education and Research" IEEE International Conference, June 23, 2011 – June 25, 2011, Alexandru Ioan Cuza University from Iasi (proceedings cotate ISI)

Ci1.1.	Knoell, D., Atzmueller, M., Rieder, C., & Scherer, K. P. (2016). BISHOP-Big Data Driven Self-Learning Support for High-performance Ontology Population. In *LWDA* (pp. 157-164).	https://www.kde.cs.uni-kassel.de/atzmueller/paper/BISHOP-LWDA2016.pdf
Ci1.2.	Tai, A., Wei, M., Freedman, M. J., Abraham, I., & Malkhi, D. (2016, June). Replex: A Scalable, Highly Available Multi-Index Data Store. In *USENIX Annual Technical Conference* (pp. 337-350).	https://www.usenix.org/sites/default/files/atc16_full_proceedings_interior.pdf#page=345
Ci1.3.	Corbellini, A., Mateos, C., Zunino, A., Godoy, D., & Schiaffino, S. (2017). Persisting big-data: The NoSQL landscape. *Information Systems*, *63*, 1-23.	http://www.sciencedirect.com/science/article/pii/S0306437916303210
Ci1.4.	Holzschuher, F., & Peinl, R. (2016). Querying a graph database–language selection and performance considerations. *Journal of Computer and System Sciences*, *82*(1), 45-68.	http://www.sciencedirect.com/science/article/pii/S0022000015000689
Ci1.5.	Wang, S., Mares, M. A., & Guo, Y. K. (2016). CGDM: collaborative genomic data model for molecular profiling data using NoSQL. *Bioinformatics*, *32*(23), 3654-3660.	https://academic.oup.com/bioinformatics/article-abstract/32/23/3654/2525645
Ci1.6.	Jalili, V., Matteucci, M., Masseroli, M., & Ceri, S. (2017). Indexing Next-Generation Sequencing data. *Information Sciences*, *384*, 90-109.	http://www.sciencedirect.com/science/article/pii/S0020025516306685
Ci1.7.	Jiang, C. B., Liu, I., Chung, Y. N., & Li, J. S. (2016). Novel intrusion prediction mechanism based on honeypot log similarity. *International Journal of Network Management*, *26*(3), 156-175.	http://onlinelibrary.wiley.com/doi/10.1002/nem.1923/full
Ci1.8.	Ma, K., Yang, B., Yang, Z., & Yu, Z. (2017). Segment access-aware dynamic semantic cache in cloud computing environment. *Journal of Parallel and Distributed Computing*.	http://www.sciencedirect.com/science/article/pii/S0743731517301338
Ci1.9.	Cruz Huacarpuma, R., de Sousa Junior, R. T., de Holanda, M. T., de Oliveira Albuquerque, R., García Villalba, L. J., & Kim, T. H. (2017). Distributed Data Service for Data Management in Internet of Things Middleware. *Sensors*, *17*(5), 977.	http://www.mdpi.com/1424-8220/17/5/977/htm
Ci1.10.	Swaminathan, S. N., & Elmasri, R. (2016, June). Quantitative analysis of scalable nosql databases. In *Big Data (BigData Congress), 2016 IEEE International Congress on* (pp. 323-326). IEEE.	http://ieeexplore.ieee.org/abstract/document/7584955/
Ci1.11.	Cha, M. S., Kim, S. Y., Ha, J. H., Lee, M. J., Choi, Y. J., & Sohn, K. A. (2016). Topic Model based Approach for Improved Indexing in Content based Document Retrieval. *International Journal of Networked and Distributed Computing*, *4*(1), 55-64.	http://www.atlantis-press.com/php/download_paper.php?id=25846122
Ci1.12.	Fioravanti, S., Mattolini, S., Patara, F., & Vicario, E. (2016, March). Experimental performance evaluation of different data models for a reflection software architecture	http://dl.acm.org/citation.cfm?id=2851561

over nosql persistence layers. In *Proceedings of the 7th ACM/SPEC on International Conference on Performance Engineering* (pp. 297-308). ACM.

Ci1.13. Vathy-Fogarassy, Á., & Hugyák, T. (2017). Uniform data access platform for SQL and NoSQL database systems. *Information Systems*, *69*, 93-105. http://www.sciencedirect.com/science/article/pii/S0306437916303398

Ci1.14. Krótkiewicz, M. (2017). Association-Oriented Database Model—n-ary Associations. *International Journal of Software Engineering and Knowledge Engineering*, *27*(02), 281-320. http://www.worldscientific.com/doi/abs/10.1142/S0218194017500103

Ci1.15. Ventura, L., & Antunes, N. (2016, September). Experimental Assessment of NoSQL Databases Dependability. In *Dependable Computing Conference (EDCC), 2016 12th European* (pp. 161-168). IEEE. http://ieeexplore.ieee.org/abstract/document/7780355/

Ci1.16. Zhou, C. H., Yao, K., Jiang, Z. Y., & Bai, W. X. (2017). Research on the Application of NoSQL Database in Intelligent Manufacturing. In *Wearable Sensors and Robots* (pp. 423-434). Springer Singapore. http://link.springer.com/chapter/10.1007/978-981-10-2404-7_33

Ci1.17. Akid, H., & Ayed, M. B. (2016, December). Towards NoSQL Graph Data Warehouse for Big Social Data Analysis. In *International Conference on Intelligent Systems Design and Applications* (pp. 965-973). Springer, Cham. http://link.springer.com/chapter/10.1007/978-3-319-53480-0_95

Ci1.18. Pérez, F. J., Zambrano, M., Esteve, M., & Palau, C. (2017). A Solution for Interoperability in Crisis Management. *International Journal of Computers Communications & Control*, *12*(4), 550-561. http://www.univagora.ro/jour/index.php/ijccc/article/view/2910

Ci1.19. Akinmoladum, T. M., Lake, P., Samuel, O. W., & Domdouzis, K. (2017). Comparative Analysis of Relational (Oracle) and Non-Relational (Cassandra) Databases for Business Intelligence. *International Journal of Multidisciplinary and Current Research (IJMCR)*, *5*. http://shura.shu.ac.uk/15735/

Ci1.20. Hashem, H., & Ranc, D. (2016, August). Evaluating NoSQL document oriented data model. In *Future Internet of Things and Cloud Workshops (FiCloudW), IEEE International Conference on* (pp. 51-56). IEEE. http://ieeexplore.ieee.org/abstract/document/7592700/

Ci1.21. Srivastava, K., & Shekokar, N. (2016, August). A Polyglot Persistence approach for E-Commerce business model. In *Information Science (ICIS), International Conference on* (pp. 7-11). IEEE. http://ieeexplore.ieee.org/abstract/document/7845291/

Ci1.22. Liu, W., Zhang, H., Xu, S., Ma, Y., & Sun, S. (2016, January). Research and Implementation of Cache Node Backup Strategy in Distributed Caching System. In *International Conference on Human Centered Computing* (pp. 273-283). Springer, Cham. http://link.springer.com/chapter/10.1007/978-3-319-31854-7_25

Ci1.23. Muller, C. J., & Davis, A. C. (2016). NoSQL Application Redesign may be Unnecessary for Most Corporation Cloud Migration Deployments. *International Journal of Cloud Applications and Computing (IJCAC)*, *6*(4), 36-64. http://www.igi-global.com/article/nosql-application-redesign-may-be-unnecessary-for-most-corporation-cloud-migration-deployments/173771

Ci1.24. Kumar, K. S., & Mohanavalli, S. (2017, January). A performance comparison of document oriented NoSQL databases. In *Computer, Communication and Signal Processing (ICCCSP), 2017 International Conference on* (pp. 1-6). IEEE. http://ieeexplore.ieee.org/abstract/document/7944071/

Ci1.25. Costa, C., & Santos, M. Y. (2016). Reinventing the energy bill in smart cities with NoSQL technologies. In *Transactions on Engineering Technologies* (pp. 383-396). Springer Singapore. http://link.springer.com/chapter/10.1007/978-981-10-1088-0_29

Ci1.26. Fatima, H., & Wasnik, K. (2016, December). Comparison of SQL, NoSQL and NewSQL databases for internet of things. In *Bombay Section Symposium (IBSS), 2016 IEEE* (pp. 1-6). IEEE. http://ieeexplore.ieee.org/abstract/document/7940198/

Ci1.27. Goo, A. T. (2017). *U.S. Patent No. 9,672,274*. Washington, DC: U.S. Patent and Trademark Office. https://www.google.com/patents/US9672274

Ci1.28. Hashem, H., & Ranc, D. (2016). Pre-Processing And Modeling Tools For BigData. *Foundations Of Computing And Decision Sciences*, *41*(3), 151-162. https://www.degruyter.com/view/j/fcds.2016.41.issue-3/fcds-2016-0009/fcds-2016-0009.xml

Ci1.29. Dwivedi, K., & Dubey, S. K. (2016). Implementation of Data Analytics for MongoDB Using Trigger Utility. In *Computational Intelligence in Data Mining—Volume 1* (pp. 39-47). Springer, New Delhi. http://link.springer.com/chapter/10.1007/978-81-322-2734-2_5

Ci1.30. Hasija, H., & Kumar, D. (2016, March). Compression & Security in MongoDB without affecting Efficiency. In *Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies* (p. 96). ACM. http://dl.acm.org/citation.cfm?id=2905155

Ci1.31.	Bucur, C. (2016). Aspects Regarding Detection of Sentiment in Web Content. *Big Data: Concepts, Methodologies, Tools, and Applications: Concepts, Methodologies, Tools, and Applications*, 200.	https://www.google.com/books?hl=en&lr=&id=BKEoDAAAQBAJ&oi=fnd&pg=PA200&ots=ql4jraJr_-&sig=OUuDja-0O8jeNd1waDdfjIzrLsE
Ci1.32.	李冯筱, & 罗高松. (2017). NoSQL 理论体系及应用. *电信科学*, *28*(12), 86-93.	http://www.infocomm-journal.com/dxkx/CN/abstract/abstract158573.shtml
Ci1.33.	Maia, D. C. M., Camargos, B. D., & Holanda, M. (2016, June). Voluntary geographic information systems with document-based NoSQL databases. In *Information Systems and Technologies (CISTI), 2016 11th Iberian Conference on* (pp. 1-6). IEEE.	http://ieeexplore.ieee.org/abstract/document/7521439/
Ci1.34.	Hashem, H., & Ranc, D. (2016, May). A review of modeling toolbox for BigData. In *Military Communications and Information Systems (ICMCIS), 2016 International Conference on* (pp. 1-6). IEEE.	http://ieeexplore.ieee.org/abstract/document/7496565/
Ci1.35.	Xiang, G. A. O., & LIU, C. C. (2016). The Design of Data Service System in the IoT Resource Access and Intelligent Processing Platform. *DEStech Transactions on Computer Science and Engineering*, (wcne).	http://www.dpi-proceedings.com/index.php/dtcse/article/view/5150
Ci1.36.	Maia, D. C. M., Camargos, B. D., & Holanda, M. (2018). Performance Analysis on Voluntary Geographic Information Systems with Document-Based NoSQL Database. In *Developments and Advances in Intelligent Systems and Applications* (pp. 181-197). Springer, Cham.	http://link.springer.com/chapter/10.1007/978-3-319-58965-7_13
Ci1.37.	Malikov, A., Voronkin, V., & Shiryaev, N. (2016). Employing finite-state machines in data integrity problems. In *MATEC Web of Conferences* (Vol. 76, p. 04017). EDP Sciences.	https://www.matec-conferences.org/articles/matecconf/abs/2016/39/matecconf_cscc2016_04017/matecconf_cscc2016_04017.html
Ci1.38.	Malikov, A., Voronkin, V., & Shiryaev, N. (2016, September). Models of integrity assurance in big relational databases. In *Quality of Information and Communications Technology (QUATIC), 2016 10th International Conference on the* (pp. 179-184). IEEE.	http://ieeexplore.ieee.org/abstract/document/7814543/
Ci1.39.	Arboleda, M., Javier, F., Quintero Rendón, J. E., & Rueda Vásquez, R. (2016). Una comparación de rendimiento entre Oracle y MongoDB. *Ciencia e Ingeniería Neogranadina*, *26*(1), 109-129.	http://www.scielo.org.co/scielo.php?script=sci_abstract&pid=S0124-81702016000100007
Ci1.40.	Arboleda, M., Javier, F., Quintero Rendón, J. E., & Rueda Vásquez, R. (2016). A PERFORMANCE COMPARISON BETWEEN ORACLE AND MONGODB. *Ciencia e Ingeniería Neogranadina*, *26*(1), 109-129.	http://www.scielo.org.co/scielo.php?pid=S0124-81702016000100007&script=sci_arttext&tlng=es
Ci1.41.	Ruldeviyani, Y., & Aji, R. F. (2016, October). Enhancing query performance of library information systems using NoSQL DBMS: Case study on library information systems of Universitas Indonesia. In *Big Data and Information Security (IWBIS), International Workshop on* (pp. 41-46). IEEE.	http://ieeexplore.ieee.org/abstract/document/7872887/
Ci1.42.	Holzschuher, F., & Peinl, R. (2016). Querying a graph database–language selection and performance considerations. *Journal of Computer and System Sciences*, *82*(1), 45-68.	http://www.sciencedirect.com/science/article/pii/S0022000015000689
Ci1.43.	Dwivedi, K., & Dubey, S. K. (2016). Implementation of Data Analytics for MongoDB Using Trigger Utility. In *Computational Intelligence in Data Mining—Volume 1* (pp. 39-47). Springer India.	http://link.springer.com/chapter/10.1007/978-81-322-2734-2_5
Ci1.44.	Lourenco, J. R., Abramova, V., Cabral, B., Bernardino, J., Carreiro, P., & Vieira, M. (2015, June). No SQL in Practice: A Write-Heavy Enterprise Application. In *Big Data (BigData Congress), 2015 IEEE International Congress on* (pp. 584-591). IEEE.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7207274&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D7207274
Ci1.45.	Cha, M. S., Kim, S. Y., Ha, J. H., Lee, M. J., Choi, Y. J., & Sohn, K. A. (2015, June). CBDIR: Fast and effective content based document Information Retrieval system. In *Computer and Information Science (ICIS), 2015 IEEE/ACIS 14th International Conference on* (pp. 203-208). IEEE.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7166594&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D7166594
Ci1.46.	Li, D., Hu, J., Wang, H., & Huang, W. (2015). A distributed parallel alarm management strategy for alarm reduction in chemical plants. *Journal of Process Control*, *34*, 117-125.	http://www.sciencedirect.com/science/article/pii/S0959152415001584

Ci1.47.	Lourenço, J. R., Cabral, B., Carreiro, P., Vieira, M., & Bernardino, J. (2015). Choosing the right NoSQL database for the job: a quality attribute evaluation. *Journal of Big Data*, *2*(1), 1-26.	http://link.springer.com/article/10.1186/s40537-015-0025-0
Ci1.48.	Gu, Y., Wang, X., Shen, S., Ji, S., & Wang, J. (2015, June). Analysis of data replication mechanism in NoSQL database MongoDB. In *Consumer Electronics-Taiwan (ICCE-TW), 2015 IEEE International Conference on* (pp. 66-67). IEEE.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7217033&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D7217033
Ci1.49.	Gu, Y., Shen, S., Wang, J., & Kim, J. U. (2015, June). Application of NoSQL database MongoDB. In *Consumer Electronics-Taiwan (ICCE-TW), 2015 IEEE International Conference on* (pp. 158-159). IEEE.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=7216831&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D7216831
Ci1.50.	Holzschuher, Florian, and René Peinl. "Performance of graph query languages: comparison of cypher, gremlin and native access in neo4j." *Proceedings of the Joint EDBT/ICDT 2013 Workshops*. ACM, 2013.	http://dl.acm.org/citation.cfm?id=2457351
Ci1.51.	Grolinger, Katarina, et al. "Data management in cloud environments: NoSQL and NewSQL data stores." *Journal of Cloud Computing: Advances, Systems and Applications* 2.1 (2013): 22.	http://www.journalofcloudcomputing.com/content/2/1/22/abstract
Ci1.52.	Li, Yishan, and Sathiamoorthy Manoharan. "A performance comparison of SQL and NoSQL databases." *Communications, Computers and Signal Processing (PACRIM), 2013 IEEE Pacific Rim Conference on*. IEEE, 2013.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6625441&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6625441
Ci1.53.	Gu, Genqiang, et al. "An overview of newly open-source cloud storage platforms." *Granular Computing (GrC), 2012 IEEE International Conference on*. IEEE, 2012.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6468625&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6468625
Ci1.54.	Abramova, Veronika, and Jorge Bernardino. "NoSQL databases: MongoDB vs cassandra." *Proceedings of the International C* Conference on Computer Science and Software Engineering*. ACM, 2013.	http://dl.acm.org/citation.cfm?id=2494447
Ci1.55.	Moßgraber, Jürgen, et al. "The Seven Main Challenges of an Early Warning System Architecture." *Proceedings of the 10th International ISCRAM. Conference*. 2013.	http://iscramlive.org/ISCRAM2013/files/115.pdf
Ci1.56.	Phaphoom, Nattakarn, Xiaofeng Wang, and Pekka Abrahamsson. "Foundations and technological landscape of cloud computing." *International Scholarly Research Notices* 2013 (2013).	http://www.hindawi.com/journals/isrn/2013/782174/abs/
Ci1.57.	Glawischnig, Stefan, Harald Hofstätter, and Ardeshir Mahdavi. "A Distributed Generic Data Structure for Urban Level Building Data Monitoring." *Information and Communication Technology*. Springer Berlin Heidelberg, 2014. 86-95.	http://link.springer.com/chapter/10.1007/978-3-642-55032-4_9
Ci1.58.	Kanwar, Renu, Prakriti Trivedi, and Kuldeep Singh. "NoSQL, a Solution for Distributed Database Management System." *International Journal of Computer Applications (0975–8887) Volume* (2013).	http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.403.8869&rep=rep1&type=pdf
Ci1.59.	Baumgärtel, Philipp, Gregor Endler, and Richard Lenz. "A benchmark for multidimensional statistical data." *Advances in Databases and Information Systems*. Springer Berlin Heidelberg, 2013.	http://link.springer.com/chapter/10.1007/978-3-642-40683-6_27
Ci1.60.	Skurzok, Dawid, et al. "Comparative study of SQLite and Berkeley DB implementations of n gram model of Polish language." *Studia Informatica* 33.2B (2012): 153-163.	http://studiainformatica.polsl.pl/index.php/SI/article/view/181
Ci1.61.	Huang, Chao-Wen, et al. "The improvement of auto-scaling mechanism for distributed database-A case study for MongoDB." *Network Operations and Management Symposium (APNOMS), 2013 15th Asia-Pacific*. IEEE, 2013.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6665220&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6665220
Ci1.62.	Jaeger, Michael C. "Open Source Issues with Cloud Storage Software."*Advances in Service-Oriented and Cloud Computing*. Springer Berlin Heidelberg, 2013. 106-113.	http://link.springer.com/chapter/10.1007/978-3-642-45364-9_10
Ci1.63.	Mofidpoor, Mahsa, Nematollaah Shiri, and Thiruvengadam Radhakrishnan. "Index-based join operations in Hive." *Big Data, 2013 IEEE International Conference on*. IEEE, 2013.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6691768&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6691768

Ci1.64.	Kemal, Mohammad, and Farid Ahmed. "A Study on NoSQL Database Related to Large of Amount of Data in Distributed Environment.", International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 3 Issue 10, October 2014	http://ijarcet.org/wp-content/uploads/IJARCET-VOL-3-ISSUE-10-3317-3325.pdf
Ci1.65.	Kimak, Stefan, and Jeremy Ellman. "Performance Testing and Comparison of Client Side Databases Versus Server Side." *Northumbria University* (2013).	http://www.cms.livjm.ac.uk/pgnet2013/proceedings/papers/1569762393.pdf
Ci1.66.	Huang, Yu, and Tie-jian Luo. "NoSQL Database: A Scalable, Availability, High Performance Storage for Big Data." *Pervasive Computing and the Networked World*. Springer International Publishing, 2014. 172-183.	http://link.springer.com/chapter/10.1007/978-3-319-09265-2_19
Ci1.67.	Jordaan, Pieter Willem, and Johann Erich Wolfgang Holm. "Implementation and verification of a cloud-based machine-to-machine data management system."*AFRICON, 2013*. IEEE, 2013.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6757739&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6757739
Ci1.68.	Silva, Luis A. Bastiao, et al. "Medical imaging archiving: A comparison between several NoSQL solutions." *Biomedical and Health Informatics (BHI), 2014 IEEE-EMBS International Conference on*. IEEE, 2014.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6864305&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6864305
Ci1.69.	Kashyap, Suman, et al. "Benchmarking and Analysis of NoSQL Technologies.", International Journal of Emerging Technology and Advanced Engineering Website: www.ijetae.com (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 9, September 2013)	http://www.ijetae.com/files/Volume3Issue9/IJETAE_0913_66.pdf
Ci1.70.	Cheng, Li, and Alei Liang. "REL: A structural query language for processing massive line-based records." *Computer Science and Network Technology (ICCSNT), 2013 3rd International Conference on*. IEEE, 2013.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6967089&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6967089
Ci1.71.	Yafooz, Wael, et al. "Faculty of Computer and Mathematical Sciences, Universiti Teknologi MARA, Shah Alam, Selangor, MALAYSIA." *Systems, Process & Control (ICSPC), 2013 IEEE Conference on*. IEEE, 2013.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6735131&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6735131
Ci1.72.	Vaikuntam, Aparna, and Vinodh Kumar Perumal. "Evaluation of contemporary graph databases." *Proceedings of the 7th ACM India Computing Conference*. ACM, 2014.	http://dl.acm.org/citation.cfm?id=2675752
Ci1.73.	Abramova, Veronika, Jorge Bernardino, and Pedro Furtado. "EXPERIMENTAL EVALUATION OF NOSQL DATABASES." *International Journal of Database Management Systems* 6.3 (2014).	http://airccse.org/journal/ijdms/papers/6314ijdms01.pdf
Ci1.74.	Aniceto, Rodrigo, et al. "Genomic data persistency on a NoSQL database system." *Bioinformatics and Biomedicine (BIBM), 2014 IEEE International Conference on*. IEEE, 2014.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6999304&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6999304
Ci1.75.	Yisong, Ma, et al. "Study on the relationship between transmission line failure rate and lightning information based on Neo4j." *Power System Technology (POWERCON), 2014 International Conference on*. IEEE, 2014.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6993713&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6993713
Ci1.76.	Pobiedina, Nataliia, et al. "Benchmarking database systems for graph pattern matching." *Database and Expert Systems Applications*. Springer International Publishing, 2014.	http://link.springer.com/chapter/10.1007/978-3-319-10073-9_18
Ci1.77.	Hohenstein, Uwe, et al. "An Approach for Hybrid Clouds using VISION Cloud Federation." *CLOUD COMPUTING 2014, The Fifth International Conference on Cloud Computing, GRIDs, and Virtualization*. 2014.	http://www.thinkmind.org/index.php?view=article&articleid=cloud_computing_2014_4_40_20089

Ci.2. Asist. Bucur Cristian, Asist. **Bogdan Tudorica** - *Solutions for Working with Large Data Volumes in Web Applications* – The proceedings of International Conference on Informatics - IE 2011 „Education, Research & Business Technologies", 5 – 7 Mai 2011, Bucharest (proceedings indexate BDI)

Ci2.1.	Lin, C. H., Huang, L. C., Chou, S. C. T., Liu, C. H., Cheng, H. F., & Chiang, I. J. (2016). Temporal event tracing on big healthcare data analytics. In *Big Data Applications and Use Cases* (pp. 95-108). Springer International Publishing.	https://link.springer.com/chapter/10.1007/978-3-319-30146-4_5

Ci2.2.	Ameri, P., Schlitter, N., Meyer, J., & Streit, A. (2016, August). NoWog: A Workload Generator for Database Performance Benchmarking. In *Dependable, Autonomic and Secure Computing, 14th Intl Conf on Pervasive Intelligence and Computing, 2nd Intl Conf on Big Data Intelligence and Computing and Cyber Science and Technology Congress (DASC/PiCom/DataCom/CyberSciTech), 2016 IEEE 14th Intl C* (pp. 666-673). IEEE.	http://ieeexplore.ieee.org/abstract/document/7588918/?reload=true
Ci2.3.	Reniers, V., Van Landuyt, D., Rafique, A., & Joosen, W. (2017, April). On the State of NoSQL Benchmarks. In *Proceedings of the 8th ACM/SPEC on International Conference on Performance Engineering Companion* (pp. 107-112). ACM.	http://dl.acm.org/citation.cfm?id=3053622
Ci2.4.	Hrubaru, I., & Fotache, M. (2017). On the Performance of Three In-Memory Data Systems for On Line Analytical Processing. *Informatica Economica*, *21*(1), 5.	https://search.proquest.com/openview/914f52ff00a17d3461bd3abdbf7c5d28/1?pq-origsite=gscholar&cbl=55108
Ci2.5.	Fotache, M., & Hrubaru, I. (2016). Performance Analysis of Two Big Data Technologies on a Cloud Distributed Architecture. Results for Non-Aggregate Queries on Medium-Sized Data. *Scientific Annals of Economics and Business*, *63*(s1), 21-50.	https://www.degruyter.com/view/j/saeb.2016.63.issue-s1/saeb-2016-0134/saeb-2016-0134.xml
Ci2.6.	Ramesh, D., Khosla, E., & Bhukya, S. N. (2016, December). Inclusion of e-commerce workflow with NoSQL DBMS: MongoDB document store. In *Computational Intelligence and Computing Research (ICCIC), 2016 IEEE International Conference on* (pp. 1-5). IEEE.	http://ieeexplore.ieee.org/abstract/document/7919652/
Ci2.7.	Smeureanu, Ion, and Cristian Bucur. "Applying Supervised Opinion Mining Techniques on Online User Reviews." *Informatica Economică* 16.2 (2012).	http://revistaie.ase.ro/content/62/09%20-%20Smeureanu.pdf
Ci2.8.	Kanwar, Renu, Prakriti Trivedi, and Kuldeep Singh. "NoSQL, a Solution for Distributed Database Management System." *International Journal of Computer Applications (0975–8887) Volume* (2013).	http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.403.8869&rep=rep1&type=pdf
Ci2.9.	JOITA, Alin-Cristian, Cristian BUCUR, and I. S. D. A. S. E. Buharest. "ECOROLA: A PROPOSAL FOR A VERY HIGH-LEVEL ECONOMICS COMPUTER ROMANIAN LANGUAGE." *REVISTA ECONOMICĂ*: 119.	http://economice.ulbsibiu.ro/revista.economica/archive/suplimente/Volume5-2012.pdf#page=119
Ci2.10.	Kanwar, Renu, and Prakriti Trivedi. "Reincarnating Traditional Relational Database through NoSQL.", International Journal of Information and Computation Technology. ISSN 0974-2239 Volume 3, Number 7 (2013), pp. 701-710	http://www.irphouse.com/ijict_spl/13_ijictv3n7spl.pdf

Ci3. Prof. Ion Lungu, Asist. **Bogdan Tudorică -** *The development of a benchmark tool for NoSQL databases*, Database Systems Journal, Vol. IV, Issue 2/2013, ISSN: 2069-3230 (publicație indexată BDI)

Ci3.1.	Lin, Chin-Ho, et al. "Temporal Event Tracing on Big Healthcare Data Analytics."*Big Data (BigData Congress), 2014 IEEE International Congress on*. IEEE, 2014.	http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6906791&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxpls%2Fabs_all.jsp%3Farnumber%3D6906791
Ci3.2.	Harezlak, K., & Skowron, R. (2015). Performance Aspects of Migrating a Web Application from a Relational to a NoSQL Database. In *Beyond Databases, Architectures and Structures* (pp. 107-115). Springer International Publishing.	http://link.springer.com/chapter/10.1007/978-3-319-18422-7_9#page-1

Ci4. Asist. **Bogdan Tudorică -** *A Proposed Validation Method for a Benchmarking Methodology*, The International Journal of Sustainable Economies Management (IJSEM), Volume 3: Issue 4 (2014), pag. 1-10, DOI: 10.4018/ijsem.2014100101, ISSN: 2160-9659, EISSN: 2160-9667 (publicație indexată BDI)

Ci4.1.	João Ricardo LourençoEmail authorBruno CabralPaulo CarreiroMarco VieiraJorge Bernardino (2015). Choosing the right NoSQL database for the job: a quality attribute evaluation. In *Journal of Big Data*. Springer Link	https://link.springer.com/article/10.1186/s40537-015-0025-0

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