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Press / Publications

by Nikola Milošević - Wednesday, June 10, 2015

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This is my current state of published articles about me or the articles I wrote for external portals, magazines, journals, conferences, etc.

2024.

[English] [De-identification of clinical free text using natural language processing: A systematic review of current approaches](#). Kovačević, A., Bašaragin, B., Milošević, N., & Nenadić, G. (2024). *Artificial Intelligence in Medicine*, 102845.

[English] [Verif.ai: Towards an Open-Source Scientific Generative Question-Answering System with Referenced and Verifiable Answers](#). Košprdić, M., Ljajić, A., Bašaragin, B., Medvečki, D., & Milošević, N. (2024). The Sixteenth International Conference on Evolving Internet (Internet 2024)

[English] [Multilingual transformer and BERTopic for short text topic modeling: The case of Serbian](#). Medvečki, D., Bašaragin, B., Ljajić, A., & Milošević, N. (2024). In *Conference on Information Technology and its Applications* (pp. 161-173). Springer, Cham.

2023.

[English] [From Zero to Hero: Harnessing Transformers for Biomedical Named Entity Recognition in Zero-and Few-shot Contexts](#). Košprdić, M., Prodanović, N., Ljajić, A., Bašaragin, B., & Milošević, N. (2023). Available at SSRN 4463335.

[English] [A Survey of Resources and Methods for Natural Language Processing of Serbian Language](#). Ulfeta Marovac, Aldina Avdić and Nikola Milošević, Arxiv 2304.05468

[English] [Zero-and Few-Shot Machine Learning for Named Entity Recognition in Biomedical Texts](#). Košprdić, M., Prodanović, N., Ljajić, A., Bašaragin, B., & Milošević, N. (2023). In *4th Belgrade Bioinformatics Conference* (Vol. 4, pp. 38-38). Belgrade: Institute of molecular genetics and genetic engineering.

2022.

[English] [Building the European Social Innovation Database with Natural Language Processing and Machine Learning](#). Gök, A., Antai, R., Milošević, N. *et al.* *Nature Sci Data* **9**, 697 (2022). <https://doi.org/10.1038/s41597-022-01818-0>

[English] [Interview at Podcast "Data for Good" by Zuma episode called "AI for Big Pharma with Nikola Milosevic"](#)

[English] [Comparison of biomedical relationship extraction methods and models for knowledge graph creation](#). N Milosevic, W Thielemann, *Journal of Web Semantics*, 09.2022, Elsevier, <https://doi.org/10.1016/j.websem.2022.100756>

2021.

[English] [Nikola Milosevic: Moving from information retrieval to knowledge graphs](#) - Video presentation on the first BioRelate's first seminar in the series Knowledge Graphs in Drug Discovery (30.06.2021.)

2020.

[English] [MASK: A Success Story for An International Collaboration](#). Mahmoud Azimae, Gangamma Kalappa, Nikola Milosevic, Goran Nenadic, Hesam Dadafarin, Mahshid Yassaie, Branson Chen, Sean Ji, Daniella Barron, Elisa Candido, Cheng Qian, Marian Vermeulen. *International Journal of Population Data Science* Vol 5, Issue 5. 12/2020

[English] [MASK: A flexible framework to facilitate de-identification of clinical texts](#). N Milosevic, G Kalappa, H Dadafarin, M Azimae, G Nenadic arXiv preprint arXiv:2005.11687 05/2020

2019.

[English] [From web crawled text to project descriptions: automatic summarizing of social innovation projects](#). Nikola Milosevic, Dimitar Marinov, Abdullah Gok, Goran Nenadic (2019, June). In Natural Language Processing and Information Systems. NLDB 2019. Lecture Notes in Computer Science, vol 11608. Springer. [View author version](#)

[English] [A framework for information extraction from tables in biomedical literature](#)
Milosevic, N., Gregson, C., Hernandez, R., & Nenadic, G. (2019, February). In *International Journal on Document Analysis and Recognition*. Springer International Publishing.

2018.

[English, Poster] [GNTeam at n2c2 2018 track 2: An end-to-end system to identify ADE, Medications and related entities in discharge summaries](#)
Maksim Belousov, Nikola Milošević, Ghada Alfattni, Haifa Alrdahi, Goran Nenadi? (2018, October), N2C2 Workshop 2018, San Francisco, USA

[English] [Classification of Intangible Social Innovation Concepts](#).
Milosevic, N., Gok, A., & Nenadic, G. (2018, June). In *International Conference on Applications of Natural Language to Information Systems - NLDB2018* (pp. 407-418). Springer International Publishing. [View author version](#)

[English] PhD thesis: [A multi-layered approach to information extraction from tables in biomedical documents](#), Nikola Milosevic, April 2018., The University of Manchester

[English] **Poster:** [Extracting adverse drug reactions and their context using sequence labelling ensembles](#), Maksim Belousov, Nikola Milosevic, William Dixon, Goran Nenadic, HealTAC2018, 19. April. 2018. Manchester

2017.

[English] [Extracting adverse drug reactions and their context using sequence labelling ensembles in TAC2017](#), Maksim Belousov, Nikola Milosevic, William Dixon, and Goran Nenadic, Text Analytics Conference 2017, Adverse Drug Reactions Track shared task.

[English] [Presentation about Machine learning aided malware detecting with focus on Android](#), presented on bSides Manchester, August 2017.

[English] [Extraction of Drug-drug Interactions from Drug Product Labeling Tables](#)
N. Milosevic, University of Manchester; A. Gupta, A. Chen, S. DeMarco, J. Le, J. Schneider, Y. Ning, University of Pittsburgh; G. Nenadic, University of Manchester; R. Boyce, University of Pittsburgh, 2017 AMIA Joint Summits

[English] [Machine learning aided Android malware classification](#).
Milosevic, Nikola, Ali Dehghantanha, and Kim-Kwang Raymond Choo. Computers & Electrical Engineering (2017). [Pre-print available here](#)

[English] [Towards application of text mining for enhanced power network data analytics-part I: retrieval and ranking of textual data from the internet](#).

Chen, P., Ponocko, J., Milosevic, N., Nenadic, G., & Milanovic, J. V. (2016). Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2016)

[English] [Towards application of text mining for enhanced power network data analytics-part II: offline analysis of textual data](#).

Chen, Y., Ponocko, J., Milosevic, N., Nenadic, G., & Milanovic, J. V. (2016). Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2016):

2016.

[English] [Hybrid methodology for information extraction from tables in the biomedical literature](#).
Milosevic, N., Gregson, C., Hernandez, R., & Nenadic, G. (2016, July). In *Belgrade Bioinformatics conference 2016* (pp. 75-79). [View article](#)

[English] [Disentangling the Structure of Tables in Scientific Literature](#).
Milosevic, N., Gregson, C., Hernandez, R., & Nenadic, G. (2016, June). In *International Conference on Applications of Natural Language to Information Systems - NLDB2016*(pp. 162-174). Springer International Publishing. [View author version](#)

[English] [Equity forecast: Predicting long term stock price movement using machine learning](#),

Nikola Milosevic, arXiv:1603.00751

[English] [Extracting patient data from tables in clinical literature: Case study on extraction of BMI, weight and number of patients](#)
Nikola Milosevic, Cassie Gregson, Rober Hernandez, Goran Nenadic; In Proceedings of the 9th International Joint Conference on Biomedical Engineering Systems and Technologies (BIOSTEC 2016) - Volume 5: HEALTHINF, pages 223-228, ISBN 978-989-758-170-0, DOI: 10.5220/0005660102230228 [View article](#)

[English] [Marvin: Semantic annotation using multiple knowledge sources](#)
Nikola Milosevic, arXiv:1602.00515,

2015.

[English] **Presentation about OWASP Seraphimroid at UKFast**, published at UKFast.tv <http://www.ukfast.tv/watch/owasp-seraphimroid-project--owasp-manchester-.html>

[English] Conference Abstract: **SUPPORTING CLINICAL TRIAL DATA CURATION AND INTEGRATION WITH TABLE MINING**, presented at FARR institute international conference on Data intensive Health Research and Care, August 2015, St., page 111 in abstract book:
https://www.eventsforce.net/STANDREWS/media/uploaded/EVSTANDREWS/event_35/Abstract_Book_Master_for_online1708.pdf

[English] Poster: **Supporting Clinical Trial data curation from literature using table mining** - presented on Postgraduate Summer Research Showcase at the University of Manchester <https://inspiratron.org/PosterPSRS.png>

[Serbian] **Introduction to machine learning using Weka framework** - text for blog of it-konekt conference <http://it-konekt.com/sr/blog/13-05-2015/uvod-u-masinsko-ucenje-klasifikacija-vesti-uz-pomoc-radnog-okruzenja-weka-241>

[Serbian] Text about mobile security and how to make mobile devices more secure on Mobilni shop blog <http://www.mobilnishop.com/blog/uncategorized/kako-da-svoj-telefon-ucinite-sigurnijim/>

[English] **OWASP Wrap-up about Google Summer of Code 2014**, where I was a mentor on OWASP Seraphimroid project: <http://google-opensource.blogspot.co.uk/2015/01/google-summer-of-code-wrap-up-owasp.html>

2014.

[English] **Android Security: Malicious use of Android permissions** - Nikola Milosevic, published in [Digital forensics magazine](#): <https://inspiratron.org/AndroidSecurity.pdf>

[Serbian] Interview in magazine [Libre](#) (Open software magazine) about [OWASP Seraphimroid](#) project https://inspiratron.org/Libre_OWASP_Seraphimroid.pdf

[Serbian] Article about [They](#) on B92 news portal. [They](#) is mobile application couple of friends and I built: http://www.b92.net/tehnopolis/vesti.php?yyyy=2014&mm=01&nav_id=804666

2013.

[English] **History of Malware** - Nikola Milosevic, [Digital forensics magazine](#) <https://inspiratron.org/Malware%20History.pdf>

[Serbian] **Why to work and study IT** - my article about benefits of IT on [infostud](#): <http://prijemni.infostud.com/vesti/Zasto-da-studiras-IT/59/45672/>

[Serbian] Interview in Kuca Dobrih Vesti about Startup weekend victory - <http://goo.gl/8Le9Yg>

[Serbian] Press clipping of Startup weekend - <http://www.rsroyalfamily.net/files/prvi-startap-vikend-u-srbiji-postigao-veliki-uspeh.pdf>

2012.

[English] **Stemmer for Serbian language** - Nikola Milosevic ArXiv publication <http://arxiv.org/ftp/arxiv/papers/1209/1209.4471.pdf>

[Serbian] **Sentiment analysis of sentences in Serbian language** - Nikola Milosevic, master thesis http://www.inspiratron.org/Analiza_sentimenta_recenica_na_srpskom_jeziku-Nikola_Milosevic.pdf

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