

Jelena Graovac

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Date and Place of Birth

December 14, 1979, Pristina, Serbia

Education

2008–today	PhD Studies at the Department of Computer Science, Faculty of Mathematics, University of Belgrade.
2005–2008	MSc at the Department of Computer Science, Faculty of Mathematics, University of Belgrade, Grade point average 10.0 (out of 10.0). Master thesis "XML database management of lexical resources", under supervision of prof. dr Gordana Pavlović-Lažetić.
1999–2004	Department of Computer Science, Faculty of Mathematics, University of Belgrade. Grade point average 9.62 (out of 10.00).

Awards and Honors

2002 – 2004	Scholarship "Support for Youth in Sciences Foundation of the Republic of Serbia".
2002	Norwegian government Scholarship as one of the top 500 students in Serbia.

Positions

2004–today	Teaching assistant at the Department for Computer Science, Faculty of Mathematics, University of Belgrade.
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Courses:

Programming 1 (Programming language C), Programming 2 (Programming language C), Introduction to Programming (Programming language C), Introduction to Computer Systems (Programming language C++), Information Systems and Database design.

2009/10 and 2011/12 on maternity leave.

Participation in research projects

2011-today	Research project III47003 "INTELIS - Infrastructure for Technology Enhanced Learning in Serbia", supported by the Ministry of Science of the Republic of Serbia.
2006-today	Research project 144030 "Automated Reasoning and Data Mining", supported by the Ministry of Science of the Republic of Serbia.
2005	Research project 1858 "Bioinformatics", supported by the Ministry of Science of the Republic of Serbia.

Research Interests

Text processing (textual databases, text classification, information retrieval), XML databases.

Bibliography

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| 2008 | Master Thesis, <i>XML database management of lexical resources</i> , September 2008.
url: http://www.matf.bg.ac.rs/~jgraovac/publications/jt.pdf |
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Journal papers:

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| 2007 | M. Vujošević-Janičić, J. Tomašević, P. Janičić, <i>Random k-GD-SAT Model and its Phase Transition</i> , Journal of Universal Computer Science , Volume 13, Issue 4, pages 572 – 591.
url: http://www.jucs.org/jucs_13_4/random_k_gd_sat |
| 2006 | M. Živković, S. Malkov, S. Zarić, M. Vujošević-Janičić, J. Tomašević, G. Predović, N. Blažić, M. V. Beljanski, <i>Statistical Dependence of Protein Secondary Structure on Amino Acid Bigrams</i> , Chemical Industry and Chemical Engineering Quarterly , 12(1), 82.
url: http://www.matf.bg.ac.rs/~jgraovac/publications/sdp.pdf |

Conference papers:

- 2012 J. Graovac, *Serbian text categorization using byte level n -grams*, In Proceedings of **CLoBL 2012: Workshop on Computational Linguistics and Natural Language**, 5th Balkan Conference in Informatics, Novi Sad, Serbia.
<http://www.matf.bg.ac.rs/~jgraovac/publications/stcbln.pdf>
- 2010 G. Pavlović-Lažetić, J. Tomašević, *Ontology-driven conceptual document classification*, **KDIR 2010 - International Conference on Knowledge Discovery and Information Retrieval**, 25-28 10, Valencia, Spain; In Proceedings of the International Conference on Knowledge Discovery and Information Retrieval, pp. 383 – 386.
url: <http://www.matf.bg.ac.rs/~jgraovac/publications/odcdc.pdf>
- 2008 J. Tomašević, G. Pavlović-Lažetić, *Productivity of concepts in Serbian Wordnet*, in Proceedings of the **11th International Multiconference INFORMATION SOCIETY - IS 2008** Volume C: Proceedings of the Sixth Language Technologies Conference, EDs. Tomaž Erjavec, Jerneja Žganec Gros, Oct. 16th - 17th, 2008, Ljubljana, Slovenia, pp. 86 – 91.
url: <http://nl.ijs.si/is-ltc08/IS-LTC08-Proceedings.pdf>
- 2006 P. Quaresma, P. Janičić, J. Tomašević, M. Vujošević-Janičić, D. Tošić, *XML-based Format for Descriptions of Geometrical Constructions and Geometrical Proofs*, **Communicating Mathematics in Digital Era, CMDE 2006**, Aveiro, Portugal, August 15-18.
url: <http://www.matf.bg.ac.rs/~jgraovac/publications/xmlFG.pdf>
- 2006 J. Tomašević, M. Vujošević-Janičić, *TemidaLib – Multiprecision Arithmetic Library*, Zbornik radova **SYMOPIS 2006**, Banja Koviljača.
- 2006 M. Vujošević-Janičić, J. Tomašević, *Phase Transition In Random SAT Problems*, Zbornik radova **SYMOPIS 2006**, Banja Koviljača.
- 2005 M. Vujošević-Janičić, J. Tomašević, M. Živković, S. Malkov, G. Predović, N. Blažić, M. V. Beljanski, S. Zarić, *Distribution of distances of connected amino acid pairs in proteins*, Poster prikazan na **1st South East European Congress of Chemical Engineering**, Faculty of Technology and Metallurgy, Belgrade, Serbia and Montenegro.

Submitted papers:

- 2012 J. Graovac, *A variant of n -gram based language-independent text categorization*.
- 2012 J. Graovac, *Arabic Text Categorization Using Byte-level N -grams*.

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