

Curriculum Vitae: Slobodan Beliga

CONTACT INFORMATION University of Rijeka
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EDUCATION

Dr.Sc., Information Science, University of Rijeka, Department of Informatics, 2013-present.

Expected: 2017.

M.Sc., Information Science - specialist for Informatics education, University of Rijeka, Department of Informatics, 2011-2013.

Thesis Topic: *Dynamic Programming*. Supervisor: Marija Marinović.

M.Sc., Information Science - specialist for information and communication systems, University of Rijeka, Department of Informatics, 2010-2013.

Thesis Topic: *Text Classification Based on Croatian Non-standard Words*. Supervisor: Sanda Martinčić-Ipšić.

B.Sc., Information Science, University of Rijeka, Department of Informatics, 2007-2010.

Thesis Topic: *Text Normalization in Croatian TTS System*. Supervisor: Sanda Martinčić-Ipšić.

LIFELONG

LEARNING AND PROFESSIONAL SPECIALIZATION

Training school: Keyword Search on Big Data.

Organized by the Faculty of ICT within the University of Malta and the KEYSTONE COST Action IC1302, 2010-2013. July 2015

Erasmus program, Summer school: Personal & Shared Strategies for Teachers in Web 2.0.

Pedagogische Hochschule Oberösterreich, Linz, Austria. 7 July 2013 - 21 July 2013
Credited: 5.0 ECTS

PROFESSIONAL POSITIONS

Research and Teaching Assistant Department of Informatics, University of Rijeka: 2013 - present.

RESEARCH INTERESTS

Keyword Extraction and Search, Graph Mining, Text and Web Mining, Graph-Based Keyword Extraction, Natural Language Processing, Complex Networks, Linguistic Networks, Information Retrieval, Text Classification, Text Normalization, Web Design

RESEARCH PROJECTS

Researcher

- Langnet - Language Complex Networks, University of Rijeka 2014 - 2018
- ICT COST IC1302: "Semantic keyword-based search on structured data sources (KEYSTONE)" 2013 - 2017
- COST ACTION CA 15109 European Cooperation for Statistics of Network Data Science (COSTNET) 23.3.2016 - 22.3. 2020

PUBLICATIONS **Journal publications**

S. Beliga; A. Meštrović; S. Martinčić-Ipšić. An Overview of Graph-Based Keyword Extraction Methods and Approaches. *Journal of Information and Organizational Sciences*, Accepted 16 April 2015, pages 20, 2015.

Selected conference proceedings

S. Beliga; S. Martinčić-Ipšić. Node Selectivity as a Measure for Graph-Based Keyword Extraction in Croatian News. 6th International Conference on Information Technologies and Information Society (ITIS2014), Šmarješke toplice, Slovenia, pp. 1-14, 2014.

S. Beliga; A. Meštrović; S. Martinčić-Ipšić. Toward Selectivity Based Keyword Extraction for Croatian News. Surfacing the Deep and the Social Web (SDSW 2014). CEUR Proceedings, Riva del Garda, Trentino, Italy, pp. 1-14, 2014.

S. Beliga; S. Martinčić-Ipšić. Non-Standard Words as Features for Text Categorization. 37th International Convention on Information and Communication Technology, Electronics and Microelectronics - MIPRO 2014, CIS, IEEE, pp. 1415-1419, 2014.

S. Beliga; S. Martinčić-Ipšić. Text Normalization for Croatian Speech Synthesis. MIPRO junior, Vol. V./D. IEEE, pp. 382-387, 2011.

S. Beliga; M. Pobar; S. Martinčić-Ipšić. Normalization of Non-Standard Words in Croatian Texts. Text, Speech and Dialogue extension to Lecture Notes in Artificial Intelligence LNAI6836. Czech, pp. 1-8, 2011.

ACADEMIC SERVICE **Reviewer International Journals**
Journal of Information Science, SAGE Publications Ltd. ISSN: 17416485, 01655515. 2015
Reviewer International Conference
The 22nd International Conference on Information and Software Technologies (ICIST 2016), Druskininkai, Lithuania, (Scopus). 13-15 October 2016

PROFESSIONAL SERVICE
• Coordinator for students with special needs 2013-2016
• Web administrator 2013-2016

TEACHING EXPERIENCE **Undergraduate courses**
Introduction to Computer Science, Multimedia Systems, Department of Informatics, University of Rijeka 2013-present
Informatics, Department of Biotechnology, University of Rijeka 2013-2015na
Graduate courses
Multimedia Systems, Department of Mathematics, University of Rijeka 2013-present

WORKING EXPERIENCE **Banking officer**
Privredna banka Zagreb d.d., Riadria, Rijeka July 2013 - August 2013
Organizing Committee, IT Support
Festival of Science. Society of Mathematicians and Physicists Rijeka April 2010, April 2011
Demonstrator
Department of Informatics, University of Rijeka 2009-2011

VOLUNTEERING EXPERIENCE **Department of Informatics representative**
University of Rijeka Festival Department of Informatics, Rijeka 2008/09. and 2009/10.

MANAGERIAL AND ORGANIZATIONAL SKILLS
• Student representative (for undergraduate and graduate studies) in the Committee for managing and improving quality of studies on Department of Informatics at the University of Rijeka in the academic year 2011/12 and 2012/13.
• An active member of the Student Council and vice representative for the 4th year (in the academic year 2010/11) and 5th year of study (in the academic year 2011/12).
• An active member of Microsoft Student Partner program in Primorsko-goranska County, 2010/11.

- GRANTS AND AWARDS
- Representative of the Student Council for PhD studies on University of Rijeka - Department of Informatics, 2015-2018
 - Keystone COST Action IC1302 grant for KEYSTONE training school "*Keyword Search on Big Data*" on Faculty of ICT, University of Malta - 2014/15.
 - Certificate for the winning team in student competition "*Case Study Competition 2013*" for solving business case: "*Management of digital communication in the modern banking*" Privredna banka Zagreb d.d. Field of banking, business with citizens and online marketing, 2013.
 - Rector's Award for excellence as the best student in the Department of Informatics on University of Rijeka, 2011/12.
 - State scholarship (category B) - 2010/11.
 - State scholarship for gifted students (category A) - 2011/12.
 - Scholarship at the University of Rijeka - 2012/13.

TECHNICAL SKILLS

Operating Systems: Linux, MS Windows
Languages and Tools: R, C++, SQL (MySQL, SQL *Plus, PL/SQL), Perl, Python, Java, Prolog, CLIPS, HTML5, CSS3, PHP, JavaScript, L^AT_EX, ConTeXt, MATLAB, Orange, Gephi, OpenCV, Photoshop, Protege, Git, NetworkX, Graphviz, Statistica, Adobe Creative Cloud

LANGUAGES

Fluent: Croatian, English
Working proficiency: Slovene