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Goran Nenadic – CV

Current affiliation

School of Computer Science, University of Manchester
Manchester Interdisciplinary BioCentre (MIB)

Education

2003. PhD in Computer Science (School of Sciences, University of Salford)
1997. MSc in Computer Science (Faculty of Mathematics, University of Belgrade)
1993. BSc in Mathematics and Computer Science (Faculty of Mathematics, University of Belgrade)

Professional experience/positions

2004 – Lecturer, School of Computer Science/Informatics, University of Manchester
2006 –2007: Visiting Lecturer, Computer Science, Faculty of Mathematics, University of Belgrade
2003 – 2004: Research Associate, Department of Computation, UMIST
2000 – 2002: Research Fellow, Computer Science, University of Salford
1993 – 2000: Teaching and Research Assistant, Dept. of Computer Science, University of Belgrade
1993 – 2000: Software consultant, Computing Lab, Faculty of Mathematics, University of Belgrade

Administrative roles

2008- “Enterprise Information Systems” UG theme leader, School of Computer Science
2007- Final year project organiser, School of Computer Science, University of Manchester
2006-2007 NaCTeM seminar coordinator, University of Manchester
2005-2007 Member, School’s research committee, School of Informatics, Manchester
2005-2007 Deputy Coordinator, final year projects, School of Informatics, Manchester
2005-2006 DDE research seminar coordinator, School of Informatics, Manchester
1997-2000: Deputy Head, Computer Lab, Faculty of Mathematics, University of Belgrade
1997-2000: Editor-in-chief of the Web services, Faculty of Mathematics, University of Belgrade

Teaching experience (under-graduate)

2004- Advanced Databases (lecturer, School of Informatics/CS, University of Manchester)
2007- Data Integration and Analysis (lecturer, School of CS, University of Manchester)
2004-2005: Bioinformatics Algorithms (lecturer, School of Informatics, University of Manchester)
2004-2005: Fundamental Bioinformatics (lecturer, School of Informatics, University of Manchester)
2000-2002: Natural Language Processing (tutorials, Dept. of CS, University of Salford)
2000-2001: Software Engineering (tutorials, Dept. of CS, University of Salford)
1999-2000: Computational Linguistics (teaching assistant, Dept. of Philology, University Belgrade)
1999-2000: Information Systems (teaching assistant, Dept. of Forestry, University of Belgrade)
1995-2000: Compiler Design (teaching assistant, Dept. of CS, University of Belgrade)
1994-2000: Logics in Computer Science (teaching assistant, Dept. of CS, University of Belgrade)
1994-1995: Operating Systems (teaching assistant, Dept. of CS, University of Belgrade)
1993-1994: Introduction to Programming (teaching assistant, Dept. of CS, University of Belgrade)
1993-1994: Mathematics 1 (teaching assistant, Dept. of Economics, University of Belgrade)

Teaching experience (post-graduate – MSc)

2008- System Analysis and Databases (School of Computer Science, Manchester)
2007-2008 Database Systems (School of Computer Science, University of Manchester)
2005-2007 Data mining (School of Informatics, University of Manchester)
2006-2007 Industrial Applications (School of Informatics, University of Manchester)
2005-2006 Data mining (Dept. of Computer Science, University of Belgrade)

Research interests

- Text mining and natural language processing
- Automatic terminology management
- Knowledge representation, acquisition and mining

Current research projects

- 2005-2009: "*Mining Term Associations from Literature to Support Knowledge Discovery in Biology*", School of Informatics, University of Manchester, grant BBSRC BB/C007360/1 (Principal Investigator). The project aims to use text mining and machine learning techniques to assist scientists in extracting knowledge from the literature. (Grant total £193,000)
- 2009-2010: "*pubmed2ensembl: a resource for linking biological literature to genome sequences*", School of Computer Science, University of Manchester (in cooperation with the Faculty of Life Sciences), grant BBSRC BB/G000093/1 (co-Investigator). The project will provide direct navigation between genome sequences and the biomedical literature (Grant £100,000)

Previous research projects

- 2005-2007: "*Knowledge Mining from Biology Texts*", School of Informatics, University of Manchester (in cooperation with universities of Salford and Tokyo), Daiwa Adrian Foundation grant. The project aims at automatic acquisition of useful knowledge from textual resources. (Grant total £10,000.)
- 2002-2005: "*Protein Functional Classification using Text Data-mining*", Department of Computation, UMIST, grant BBSRC B17234 (Research Fellow). The project aims at automatic text-based classification of proteins to functional categories using machine learning techniques and different textual features (words, terms, etc.). (Grant total £172,000.)
- 2001-2004: "*Design and development of a Multilingual Balkan WordNet*", University of Belgrade, grant EU-IST-2000-29388 (Consultant). The project's aim was to develop a multilingual database with WordNets for a set of Balkan languages, based on the model of the EuroWordNet project.
- 2000-2003: *Bio-PATH*, Computer Science, University of Salford, grant EUREKA E!2243 (Research Fellow). The goal of the project was to develop a text mining system in the domain of molecular genetic and biochemistry, based on the automatic extraction, classification and clustering of terminology.
- 1997-1998: *Plato's "Republic" - TEI encoding*, TELRI project, University of Belgrade (Research Associate, part-time). Project funded by TELRI (TransEuropean Language Resources Infrastructure) involving multilingual encoding of a parallel corpus in 21 languages.
- 1996-2000: *Text Processing of Serbian*, Faculty of Mathematics, University of Belgrade (Research assistant, part-time). Development of electronic morphological dictionaries of compound words in Serbian.

Resent professional/community activities

Workshop organiser:

- Building and evaluating resources for biomedical text mining, LREC 2008

Invited speaker:

- International Conference on Terminology, Computing and Translation (University of Wales Swansea, 2004),
- Workshop on Natural Language Processing and Ontology Building in Biology (University of Tokyo, 2002)

Program Committee member for: ECCB (2004-), ISMB (2004-), LREC 2008, LBM 2007, AHM (2007-), "Text Mining and Management in Biomedicine", special issue, ACM Transactions on Asian Language and Information Processing (TALIP, 2005), Workshop on Proofing Tools and Language Technologies (University of Patras, 2004), 3rd Workshop on Computational Terminology (CompuTerm 2004, COLING, 2004), ACM Euro-Par 2004, track on Parallel and Distributed Databases, Data Mining and Knowledge Discovery (University of Pisa, 2004, ACL), Workshop on NLP in Biomedicine (ACL annual meeting, University of Tokyo, 2003)

Reviewer for Bioinformatics, BMC Bioinformatics, Genome Biology, IEEE SMC-C, IEEE Transactions on Neural Networks, Journal of BioMedical Informatics, ComSIS