

Data and Information Management Group
Department of Computer and Information Science
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Date and Place of Birth:

1982, Vienna, Austria

Education

Ph.D. in Computer Science in Distributed Text Mining (Doktorgrad),
Norwegian University of Science and Technology.
since June 2008, expected to finish June 2012.

Master of Science in Computer Science in Intelligent Systems (Magisterstudium),
Vienna University of Technology.
March 2004 – October 2007.

Master of Economics and Social Sciences in Business Informatics (Magisterstudium),
University of Vienna, Vienna University of Technology.
March 2004 – June 2005.

Bachelor of Economics and Social Sciences in Business Informatics (Bakkalaureatsstudium),
University of Vienna, Vienna University of Technology.
October 2000 – February 2004.

Experience

**Norwegian University of Science and
Technology, Department of Computer
and Information Science**
Trondheim, NO

PhD Student

Research activities within the COMIDOR project. <http://research.idi.ntnu.no/comidor/>

Since June 2008

**Vienna University of Technology,
Institute for Software Technology and
Interactive Systems**
Vienna

Project Assistant

Research activities within the EU projects MUSCLE, PLANETS, DPE, and DELOS.
<http://www.ifs.tuwien.ac.at/dp> <http://www.ifs.tuwien.ac.at/mir> <http://www.ifs.tuwien.ac.at/dm>

Since July 2006

**University of Vienna, Department of
Distributed Systems**
Vienna

Project Assistant, Anti-Spam

Evaluation of existing approaches to avoid spam e-mails as well as finding possible new techniques for spam defense.

July 2004 – August 2005

<http://spam.ani.univie.ac.at>

**University of Vienna
Institute of Knowledge and Business
Engineering**
Vienna

Student Assistant (Tutor)

Tutoring first year students in C++ for the course Algorithms and Data Structures.

March 2005 – June 2005

Research Studios Austria
Vienna

Summer Student Software Development

July 2003 – August 2003

Developing a tool for automatic generation of SOAP-compatible interface classes for any Java package (continued as master's thesis).

**University of Vienna, Department of
Multimedia Information Systems**
Vienna

Student Assistant (Tutor)

March 2003 – June 2003

Preparing slides for the course Electronic Commerce.

**University of Vienna, Department of
Multimedia Information Systems**
Vienna

Student Assistant (Tutor)

October 2002 – January 2003

Preparing exercises in ER-Modeling and UML (course Modeling Techniques).

Activities and Skills

Exchange year at the University of Dublin, Trinity College, Republic of Ireland, as part of the Erasmus exchange programme.
September 2005 - June 2006

Co-Organiser of the 8th International Conference on Music Information Retrieval (ISMIR'07), September 23-27, Vienna, Austria

Representative for non-permanent staff in the board of the Faculty of Information Technology and Mathematics, Norwegian University of Science and Technology, 2011-2012.

Language Skills: Native German, Fluent English and Fluent Norwegian, some understanding of other Scandinavian languages, very basic French

Reviewing Activities

SIGIR, ECIR, RIAO, ECDL, JCDL, ISMIR, Information Processing and Management, CILing, WWW

Teaching

2006 – 2012: Self Organising Systems, Object Oriented Modelling, Software Engineering and Project Management, special focus on Information Retrieval, Introduction to Database Systems, Data Mining

Supervision of master's theses on lyrics analysis, disaster recovery, text categorisation, and clustering of Web search results, emotion detection and analysis, temporal analysis of twitter data, text mining

Theses

Robert Neumayer: A multi-level approach to music information retrieval. Master's thesis, Vienna University of Technology, Faculty of Computer Science, Institute for Software Technology and Interactive Systems, 2007

Robert Neumayer. The remote access generator engine, remote access via automatic code generation. Master's thesis, University of Vienna, Institute for Multimedia Information Systems, 2005.

Recent Publications

Robert Neumayer, Krisztian Balog, and Kjetil Nørnvåg. On the Modeling of Entities for Ad-hoc Entity Search in the Web of Data. In *Proceedings of the 34rd European Conference on Information Retrieval (ECIR'12)*, full paper, accepted for publication.

Robert Neumayer, Krisztian Balog, and Kjetil Nørnvåg. When Simple is (more than) Good Enough: Effective Semantic Search with (almost) no Semantics. In *Proceedings of the 34rd European Conference on Information Retrieval (ECIR'12)*, poster paper, accepted for publication.

Krisztian Balog, Marek Ciglan, Robert Neumayer, Wei Wei, and Kjetil Nørnvåg. NTNU at semsearch 2011. In *Proceedings of the 4th International Semantic Search Workshop of the 20th Int. World Wide Web Conference WWW2011*, pages –, Hyderabad, India, April 19-21 2011.

Robert Neumayer, Rudolf Mayer, and Kjetil Nørnvåg. Combination of feature selection methods for text categorisation. In *Proceedings of the 33rd European Conference on Information Retrieval (ECIR'11)*, pages 763–766, Dublin, Ireland, April 19-21 2011.

Robert Neumayer, Christos Doukeridis, and Kjetil Nørnvåg. A hybrid approach for estimating document frequencies in unstructured P2P networks. *Information Systems*, 36(3):579–595, May 2011.

Robert Neumayer, Christos Doukeridis, and Kjetil Nørnvåg. Aggregation of document frequencies in unstructured P2P networks. In *Proceedings of 10th International Conference on Web Information Systems Engineering (WISE'09)*, Lecture Notes in Computer Science, pages 29–42, Poznan, Poland, October 5-7 2009. Springer.

Rudolf Mayer, Robert Neumayer, and Andreas Rauber. Combination of audio and lyrics features for genre classification in digital audio collections. In *Proceedings of the ACM 16th International Conference on Multimedia (MM'08)*, pages 159–168, Vancouver, BC, Canada, 2008. ACM.

Robert Neumayer and Andreas Rauber. Integration of text and audio features for genre classification in music information retrieval. In *Proceedings of the 29th European Conference on Information Retrieval (ECIR'07)*, pages 724–727, Rome, Italy, April 2-5 2007.