

Short Curriculum Vitae

Prof. Wolfgang Nejdl – September 2009

<http://www.kbs.uni-hannover.de/~nejdl/>
+49 511 762-19710, nejdl@L3S.de

Personal Information

Prof. Dr. Wolfgang Nejdl, born 1960 in Vienna, Austria, has been full professor of computer science at the University of Hannover since 1995. He received his M.Sc. (1984) and Ph.D. degree (1988) at the Technical University of Vienna, was assistant professor in Vienna from 1988 to 1992, and associate professor at the RWTH Aachen from 1992 to 1995. He worked as visiting researcher / professor at Xerox PARC, Stanford University, University of Illinois at Urbana-Champaign, EPFL Lausanne, and at PUC Rio.

Prof. Nejdl heads the L3S Research Center (<http://www.L3S.de/>) as well as the Distributed Systems Institute / Knowledge Based Systems (<http://www.kbs.uni-hannover.de/>), and does research in the areas of search and information retrieval, information systems, semantic web technologies, peer-to-peer infrastructures, databases, technology-enhanced learning and artificial intelligence. Some recent projects in the L3S context include the PHAROS Integrated Project on audio-visual search, the OKKAM IP focusing on entities on the Web, the Digital Library EU project LiWA, coordinated by L3S, which investigates Web archive management and advanced search in such an archive, and the FET IP project LivingKnowledge, which is developing algorithms and methods to handle and exploit diversity, bias and opinion on the Web.

Wolfgang Nejdl published more than 230 scientific articles, as listed at DBLP and ISI, and has been program chair, program committee and editorial board member of numerous international conferences and journals, most recently including the role of general chair for AH'08 in Hannover, and PC chair for WWW'09 in Madrid, see also <http://www.kbs.uni-hannover.de/~nejdl/>.

In 2006 Wolfgang Nejdl started the iSearch IT Solutions company, <http://www.isearch-it-solutions.de/>, which focuses on commercializing research results from L3S projects in the area of digital libraries, search and web engineering.

The L3S Research Center

The L3S Research Center, <http://www.L3S.de/> was opened in January 2002 in the German Pavillon in Hannover, starting with a set of projects in cooperation with colleagues from Stanford and Sweden in the area of technology enhanced learning. Its research focus and projects have continuously expanded since then, now focusing on the field of *Web Science*, developing innovative methods and technologies to support and connect individuals and communities in all sectors of the knowledge society, and harnessing the information ecosystem to connect today's Web to real-world entities.

Several interrelated topics guide our research in this context. The *Web of People* provides the focal point of our efforts, acknowledging the central role people play in the complex ecosystem of the Web, including work on social networks, human computing and trust and reputation. Our research into *Foundations of Web Science* and *Web Infrastructure* provide the algorithmic and conceptual foundations for the Web as well as the

necessary infrastructures to ubiquitously access information everywhere and at all times, and to connect the Web with the real world. *Web Information Management* and *Web Search* play a central role for how to access information on the Web, in the context of Digital Libraries and the Deep Web, as well as for accessing all kinds of unstructured, semi-structured and multimedia-information on the Web. Last, but not least, service computing as well as advanced security and privacy mechanisms provide important *Software Technologies for Web Applications*, for example in E-Science and E-Learning.

L3S budget in 2009 is 6 Million Euro, with a third party funding rate of about 75%. About half of the third party funding comes from the European Union, the other half from other national funding sources and industry. A more in-depth description of research areas, projects and research results can be found in the L3S Annual Report 2008, http://www.l3s.de/ar/L3S_AnnualReport2008.pdf, and the latest L3S @ Work Magazine, http://www.l3s.de/L3S_at_work/L3S@work_Ausgabe6_8-2009.pdf.

DBLP Listed Publications

220	Juan Quemada , Gonzalo León , Yoëlle S. Maarek , Wolfgang Nejdl: Proceedings of the 18th International Conference on World Wide Web, WWW 2009, Madrid, Spain, April 20-24, 2009 ACM 2009
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218	Kerstin Bischoff , Claudiu S. Firan , Mihai Georgescu , Wolfgang Nejdl, Raluca Paiu : Social Knowledge-Driven Music Hit Prediction. ADMA 2009 : 43-54
217	Wolfgang Nejdl: Exploiting User Generated Content to Improve Search. AIED 2009 : 5
216	Elena Demidova , Xuan Zhou , Gideon Zenz , Wolfgang Nejdl: SUITS: Faceted User Interface for Constructing Structured Queries from Keywords. DASFAA 2009 : 772-775
215	Gianluca Demartini , Julien Gaugaz , Wolfgang Nejdl: A Vector Space Model for Ranking Entities and Its Application to Expert Search. ECIR 2009 : 189-201
214	Rabeeh Abbasi , Sergey Chernov , Wolfgang Nejdl, Raluca Paiu , Steffen Staab : Exploiting Flickr Tags and Groups for Finding Landmark Photos. ECIR 2009 : 654-661
213	Sergej Zerr , Daniel Olmedilla , Wolfgang Nejdl, Wolf Siberski : Zerber ⁺ : top-k retrieval from a confidential index. EDBT 2009 : 439-449
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210	Ernesto Diaz-Aviles , Wolfgang Nejdl, Lars Schmidt-Thieme : Swarming to rank for information retrieval. GECCO 2009 : 9-16
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204	Ling Chen , Phillip Wright , Wolfgang Nejdl: Improving music genre classification using collaborative tagging data. WSDM 2009 : 84-93
203	Ling Chen , Sourav S. Bhowmick , Wolfgang Nejdl: COWES: Web user clustering based on evolutionary web sessions. Data Knowl. Eng. 68 (10): 867-885 (2009)
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201	Ling Chen , Sourav S. Bhowmick , Wolfgang Nejdl: NEAR-Miner: Mining Evolution Associations of Web Site Directories for Efficient Maintenance of Web Archives. PVLDB 2 (1): 1150-1161 (2009)
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179	Avare Stewart , Ernesto Diaz-Aviles , Wolfgang Nejdl: Mining User Profiles to Support Structure and Explanation in Open Social Networking CoRR abs/0812.4461 : (2008)
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8	Exploring JXTASearch for P2P educational media discovery Qu CT, Nejdl W: IEEE Workshop on Knowledge Media Networking, JUL 10-12, 2002 KYOTO, JAPAN, 147-152, 2002
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3	MODEL HEURISTIC-BASED ALARM PROCESSING FOR POWER-SYSTEMS PFAUWAGENBAUER M, NEJDL W: AI EDAM-ARTIFICIAL INTELLIGENCE FOR ENGINEERING DESIGN ANALYSIS AND MANUFACTURING, Vol. 7/1, 65-78, 1993
2	INTEGRATING MODEL BASED AND HEURISTIC FEATURES IN A REAL-TIME EXPERT SYSTEM FOR POWER DISTRIBUTION NETWORKS

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Selected Editorial Board and PC Memberships

Editor in Chief

- IEEE Transactions on Learning Technologies, since 2008

Editorial Board Member

- ACM Transactions on the Web, since 2005
- Journal of Universal Science and Technology of Learning, since 2005
- Journal on Web Semantics, Elsevier, since 2003
- Artificial Intelligence in Engineering, Design and Manufacturing, Cambridge University Press, since 1996

Selected PC Memberships

- International World Wide Web Conference WWW (General PC Chair 2009, Web Engineering 2008, E* Applications Track Chair 2007 and 2006, Semantic Web 2010, 2007, 2006, 2005 and 2004, Education Track Chair 2004 and 2003)
- ACM International Conference on Web Search and Data Mining (2010, Senior PC Member 2009)
- International ACM SIGIR Conference (2008)
- International Semantic Web Conference ISWC (2009, Vice Chair 2008, 2007, 2006, 2005, 2004)
- European Semantic Web Conference ESWC (2009, 2008, 2007, 2006, 2005, 2004)
- International Conference for Digital Libraries and the Semantic Web (PC Chair 2009)
- ACM Conference on Recommender Systems (2009)
- IEEE International Conference on Peer-to-Peer Computing (2009, 2008, 2007)
- International Conference on Distributed Computing Systems ICDCS (2006)
- European Conference on Technology Enhanced Learning EC-TEL (2009, 2008, General Chair 2007, PC Chair 2006)
- International Conference on Web-based Learning (Conference Co-Chair 2010)
- Adaptive Hypermedia and Adaptive Web-Based Systems AH (General Chair 2008, 2006, Program Chair 2004, DC Chair 2002, 2000)
- International Conference on User Modeling, Adaptation, and Personalization (2010, 2009)
- International Conference on Data Engineering ICDE (Vice-Chair 2009, Vice-Chair 2005)
- ACM SIGMOD Conference (2010)
- VLDB International Conference on Very Large Databases (2010)
- International Conference on Extending Database Technology (2010)
- International Conference on Database Systems for Advanced Applications DASFAA (2009, 2008, 2007, 2006)
- ACM Conference on Information and Knowledge Management CIKM (2005)
- AAAI Conference on Artificial Intelligence AAAI (2008, 2007, 2006)
- International Conference on User Modeling UM (2005)
- ACM Conference Hypertext and Hypermedia HT (2003)
- International Conference on Principles of Knowledge Representation and Reasoning KRR (2000, 1998, 1992)

- International Joint Conference on Artificial Intelligence IJCAI (2009, 1995, 1993)
- European Conference on Artificial Intelligence ECAI (1992)
- International Conference on Cooperative Information Systems CoopIS (2007, 2006, 1994)

Other

- Advisory Board Member Leibniz Society Competition Board, since 2005
- Founding President Computer Science Department Free University of Bolzano, Italy, 2001 – 2004
- Advisory Board Member, International Graduate School in ICT, Trento, since 2004
- Advisory Board Member Multimedia, Ministry of Research, Lower Saxony, 2001 – 2007
- Multimedia Presidential Advisor, University of Hannover, 2000-2007

Former Ph.D. students

1. Johann Gamper, Ph.D. 1996, now [Free University of Bozen - Bolzano, Italy](#)
2. Michael Schroeder, Ph.D. 1998, now [TU Dresden, Germany](#)
3. Peter Froehlich, Ph.D. 1998
4. Nicola Henze, Ph.D. 2000, now [University of Hannover, Germany](#)
5. Martin Wolpers, Ph.D. 2001, now [KU Leuven, Belgium](#)
6. Changtao Qu, Ph.D. 2004, now [NEC Laboratories Europe, Germany](#)
7. Judith Knapp, Ph.D. 2004, now [EURAC Bolzano, Italy](#)
8. Jan Brase, Ph.D. 2005, now [TIB Hannover, Germany](#)
9. Hadhami Dhraief, Ph.D. 2005, now [T-Systems Germany](#)
10. Heidrun Allert, Ph.D. 2005, now [FH Hagenberg, Austria](#)
11. Uwe Thaden, Ph.D. 2005, now [L3S Hannover, Germany](#)
12. Peter Dolog, Ph.D. 2006, now [Aalborg University, Denmark](#)
13. Wolf Siberski, Ph.D. 2006, now [L3S Hannover, Germany](#)
14. Paul Chirita, Ph.D. 2007, now [Adobe, Romania](#)
15. Bhaskar Mehta, Ph.D. 2008, now [Google Zürich, Switzerland](#)
16. Ingo Brunkhorst, Ph.D. 2009, now [Werum, Germany](#)
17. Raluca Paiu, Ph.D. 2009, now [L3S Hannover, Germany](#)

Former Group Members (selected subset)

1. Friedrich Steimann, PostDoc until 2004, now [University of Hagen, Germany](#)
2. Christoph Strutz, L3S managing director until 2006, now [University of Hildesheim, Germany](#)
3. Joerg Diederich, PostDoc until 2007, now [University of Hildesheim, Germany](#)
4. Xuan Zhou, PostDoc until 2008, now [CSIRO, Australia](#)
5. Wolf-Tilo Balke, PostDoc until 2008, now [TU Braunschweig, Germany](#)

University Courses

In Vienna, Aachen, Bolzano, Hildesheim and Hannover Wolfgang Nejdl has held courses in Artificial Intelligence, Knowledge Representation, Database and Information Systems, Software Engineering, Algorithms and Data Structures, and Programming.