

Curriculum Vitae

Wolfgang Nejdl



Full Professor (C4)
Dr.techn. Dipl.Ing.

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Born in Vienna, Austria
September 22, 1960

Professional Career

- Since 2001 **Founding Director and Head of the L3S Research Center¹**
Leibniz Universität Hannover
- 2001 – 2014 Founding Shareholder of **iSearch IT Solutions**
development of digital library solutions
- Since 1995 **Full Professor for Computer Science (C4)**
Leibniz Universität Hannover

Research Interests

- My research areas include Search and Information Retrieval, Web and Social Web Technologies, Data Mining and Data Science, Semantic Web, Databases and Information Systems, Peer-to-Peer Infrastructures, Hypermedia Systems, Personalization and Recommender Systems, Technology Enhanced Learning and Artificial Intelligence.

Major Contributions to Early Careers of Excellent Researchers

- During the last 10 years, 32 PhD students from more than 15 countries have successfully finished their PhD studies at L3S, with myself as first advisor. I have been second advisor or external examiner for PhD students in Germany, Great Britain, The Netherlands and Italy.

¹ https://www.l3s.de/fileadmin/content/documents/L3S_annual_reports/L3S_Annual_Report_2013.pdf

- Several of my PhD students and PostDocs now hold a professorship position:
 - Johann Gamper (Free University of Bolzano, Italy)
 - Michael Schröder (University of Dresden, Germany)
 - Heidrun Allert (University of Kiel, Germany)
 - Friedrich Steimann (University of Hagen, Germany)
 - Xuan Zhou (Renmin University, Beijing, China)
 - Wolf-Tilo Balke (University of Braunschweig, Germany)
 - Ling Chen (University of Technology Sydney, Australia)
 - Peter Dolog (Aalborg University, Denmark)

Reviewer and Evaluator

- Besides reviewing for conferences, I have been reviewer for numerous journals of ACM, IEEE, Elsevier and Springer, and for project proposals to various funding agencies. These include the German Research Agency (DFG), the Netherlands Organization for Scientific Research (NWO), the Austrian Science Fund (FWF), the Engineering and Physical Sciences Research Council (EPSRC) in the UK, the European Union (FP7) and the European Research Council (ERC).

Conference Chair, Vice-Chair, Editor 2009 – 2014

- World Wide Web Conference WWW (Poster Chair 2014, Track Chair Social Networks and Graph Analysis 2013, Track Chair Web Search 2012, General PC Chair 2009)
- ACM Conference on Web Search and Data Mining WSDM (PC Chair 2011)
- ACM Conference on Web Science (PC Chair 2012)
- Conference for Digital Libraries and the Semantic Web (PC Chair 2009)
- Conference on Data Engineering ICDE (General Chair 2011, Vice-Chair 2009)
- ACM Conference on Information and Knowledge Management CIKM (PC Chair IR Track 2013)
- Latin American Web Congress LAWEB (PC Chair 2012)
- IEEE/ACM Conference on Advances in Social Networks Analysis and Mining ASONAM (Workshop Chair, 2014)
- Conference on User Modeling, Adaptation, and Personalization UMAP (Area Chair Big Data, 2014))
- Editorial Board Member for ACM Transactions on the Web, Journal on Web Semantics, Journal of Universal Computer Science, AIEDAM
- Editor in Chief Journal of Web Science
- Editor in Chief IEEE Transactions on Learning Technologies (2009-2013)
- Guest Editor for a special issue on “Twitter and Microblogging Services” of the ACM Transactions on Intelligent Systems and Technology (2012)

Selected Program Committees 2009 – 2014

- World Wide Web Conference WWW (Search Systems and Applications 2011, Semantic Web 2010)
- ACM Conference on Web Search and Data Mining WSDM (PC 2013, 2010, Senior PC 2012, 2009)
- ACM Conference on Web Science (2013)
- IEEE Conference on Big Data (2013)
- ACM Conference on Recommender Systems (2013, 2012, 2011, 2010, 2009)
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (Senior PC 2010)
- Semantic Web Conference ISWC (2012, 2010, 2009)
- European Semantic Web Conference ESWC (2010, 2009)
- Conference on Web Engineering ICWE (2013, 2012, 2011, 2010)
- European Conference on Digital Libraries (2010)
- Conference on Theory and Practice of Digital Libraries TPDF (2013, 2011)
- IEEE Conference on Peer-to-Peer Computing (2009)
- European Conference on Technology Enhanced Learning EC-TEL (2011, 2010, 2009)
- IEEE Conference on Advanced Learning Technologies ICALT (2013, 2012, 2010, 2009)
- Conference on User Modeling, Adaptation, and Personalization UMAP (2010, 2009)
- Conference on Intelligent Tutoring Systems (2014, 2012, 2010)
- VLDB Conference on Very Large Databases (2014, 2013, 2010)
- ACM SIGMOD Conference (2010)
- Conference on Extending Database Technology EDBT (2013, 2010)
- Conference on Database Systems for Advanced Applications DASFAA (2010, 2009)
- European Conference on Information Retrieval (2013)
- ACM Conference on Information and Knowledge Management CIKM (Senior PC 2012 and 2011)
- Symposium on String Processing and Information Retrieval SPIRE (2011)
- AAAI Conference on Artificial Intelligence AAAI (2013)
- IJCAI International Joint Conference on Artificial Intelligence (2009)

1992 – 1995 **Associate Professor for Computer Science (C3)** at *RWTH Aachen*

1988 – 1992 **Assistant Professor** at *TU Wien*, Habilitation

Since 1988 longer **research visits** at *Xerox PARC, Stanford University, University of Illinois at Urbana-Champaign, EPFL Lausanne, PUC Rio*

Education

1984 - 1988 **Ph.D. Student and Teaching Assistant** at *TU Wien*
(Dr.techn., with excellence)

1980 - 1984 **Student of Computer Science** at *TU Wien* (Dipl.Ing., with excellence)

Until 1979 **Gymnasium Mödling** (with excellence)

Ten Important Publications 2007 - 2014

<http://scholar.google.com/citations?user=LC62bdYAAAAJ&hl=de>

<http://www.informatik.uni-trier.de/~ley/pers/hd/n/Nejdl:Wolfgang.html>

h-Index: 55, i10-Index: 240, citations: 13096², DBLP publications: 340

- [BKN07] The adaptive web: methods and strategies of web personalization. P. Brusilovsky, A. Kobsa, W. Nejdl. Lecture Notes in Computer Science, Springer, 2007 (265 citations)
- [BFNP08] Can all tags be used for search? K. Bischoff, C. S. Firan, W. Nejdl, R. Paiu. 17th ACM Conference on Information and Knowledge Management, Napa Valley, USA, 2008 (257 citations)
- [CFN07] Personalized query expansion for the web. P. A. Chirita, C. S. Firan, W. Nejdl. 30th International ACM SIGIR Conference, Amsterdam, Netherlands, 2007 (250 citations)
- [KFN10] Boilerplate detection using shallow text features. C. Kohlschütter, P. Fankhauser, W. Nejdl. 3rd ACM International Conference on Web Search and Data Mining. New York, USA, 2010 (193 citations)
- [CCNH07] P-tag: large scale automatic generation of personalized annotation tags for the web. P. A. Chirita, S. Costache, W. Nejdl, S. Handschuh. 16th International Conference on World Wide Web, Banff, Canada, 2007 (158 citations)
- [KFN09] Latent dirichlet allocation for tag recommendation. R. Krestel, P. Fankhauser, W. Nejdl. 3rd ACM Conference on Recommender systems, New York, USA, 2009 (153 citations)
- [FNP07] The benefit of using tag-based profiles. C. S. Firan, W. Nejdl, R. Paiu. 5th Latin American Web Congress, Santiago de Chile, 2007 (132 citations)
- [SCNS10] How useful are your comments?: analyzing and predicting youtube comments and comment ratings. S. Siersdorfer, S. Chelaru, W. Nejdl, J San Pedro. 19th International Conference on World Wide Web, Raleigh, USA, 2010 (94 citations)
- [KN08] A densitometric approach to web page segmentation. Proceedings of the 17th ACM Conference on Information and Knowledge Management, Napa Valley, USA, 2008 (86 publications)
- [MHN07] Robust collaborative filtering. B. Mehta, T. Hofmann, W. Nejdl. Proceedings of the 1st ACM Conference on Recommender Systems, Minneapolis, USA, 2007 (73 citations)

² Citations Google Scholar (August 2014)

Third Party Funding

I currently hold grants as PI with a total value of about 6.7 Mio. Euro funding for my group, listed in the following, including an ERC Advanced Grant.

- CUBRIK (EU IP, 2012 – 2014, 550.000.- Euro) will augment precision and relevance of multimedia search results by combining pure machine-based processing with human and social intelligence at all stages in media analysis - from feature extraction to search and validation.
- GuteArbeit (BMBF, 2012 – 2014, 410.000.- Euro) focuses on the development of tools and methods for the semantic analysis and annotation of qualitative material from sociology for enabling re-use and leveraging of social science results in new contexts.
- LinkedUp (EU CSA, 2012 – 2014, 350.000.- Euro) focuses on providing a competition and evaluation framework which identifies innovative success stories of robust Web-Scale information management application based on open data.
- DuraArk (EU STREP, 2013 – 2015, 680.000.- Euro) is about long-term preservation of architectural building data, focusing on 3D content on all abstraction levels as well as metadata.
- ForgetIT (EU IP, 2013 – 2015, 1.05 Mio Euro) focuses on preservation of digital content in the personal and organizational context, and includes the concept of managed forgetting and contextualized remembering to allow for aggregated archives preserving relevant context.
- EUMSSI (EU STREP, 2013 – 2015, 370.000.- Euro) focuses on event understanding through multimodal social stream interpretation, based on multimodal and cross-media stream analytics.
- Qualimaster (EU STREP, 2014 – 2016, 780.000.- Euro) will provide a configurable real-time data processing infrastructure dealing with load and need changes in large-scale data stream processing, while opportunistically exploiting the available resources for increasing analysis depth whenever possible.
- ALEXANDRIA (ERC Advanced Grant, 2014 – 2018, 2.5 Mio Euro) focuses on temporal retrieval, exploration and analytics in web archives, developing fundamental models, tools and techniques necessary to open up Web archives for intelligent information access and exploration.

Best Paper Awards 2007 – 2014

- [KPHN11] R. Kawase, G. Papadakis, E. Herder, W. Nejdl. Beyond the usual suspects: context-aware revisitation support. ACM Hypertext, Eindhoven, Netherlands, 2011
- [DFKN11] E. Diaz-Aviles, M. Fisichella, R. Kawase, W. Nejdl, A. Stewart. Unsupervised Auto-tagging for Learning Object Enrichment. European Conference on Technology Enhanced Learning, Palermo, Italy, 2011
- [KFN10] C. Kohlschütter, P. Fankhauser, W. Nejdl. Boilerplate detection using shallow text features. ACM Conference on Web Search and Data Mining, New York, USA, 2010 (best paper candidate)
- [DFGI09] G. Demartini, C. S. Firan, M. Georgescu, T. Iofciu, R. Krestel, W. Nejdl. An Architecture for Finding Entities on the Web. Latin American Web Congress, Yucatan, Mexico, 2009 (best paper candidate)

Current Teaching

- Foundations of Information Retrieval (lecture + exercises, 5CP)
- Web Science (lecture + exercises, 5CP)
- Research Seminar in Web Science
- Lab Project in Web Science
- B.Sc. and M.Sc. theses within the study programs of “Computer Science” and “Internet Technologies and Information Systems”