

Hans Uszkoreit, Short CV

Scientific Career

- 2010 – Site Coordinator of DFKI Berlin
- 1997 – Scientific Director at the German Research Center for Artificial Intelligence (DFKI)
- 1989 – Head of the Language Technology Division of DFKI
- 1988 – 2015 Full Professor of Computational Linguistics at Saarland University
- 1986 – 1988 IBM Research Fellowship at IBM Germany in Stuttgart, later Project Manager at the Science Division of IBM Germany
- 1983 – 1986 Senior Scientist and Project Leader at CSLI of Stanford University
- 1982 – 1986 Research Computer Scientist at the AI Center of SRI in Menlo Park, Ca.

Hans Uszkoreit is Scientific Director and site coordinator of DFKI Berlin. He is head of the Language Technology Division at DFKI. His lab has performed research in information extraction, crosslingual IR, question answering, parsing, machine translation and deep linguistic processing. Uszkoreit's research is documented in more than 200 international publications.

Uszkoreit co-initiated the international consortium DELPH-IN for deep linguistic processing together with colleagues at Stanford and Tokyo U. DELPH-IN now comprises 15 research centers. He is serving on numerous editorial and advisory boards. He has been on the program committees of many international conferences such as SIGIR, ACL, COLING, RANLP, NLP-KE, LREC, HLT, ANLP and he chaired several of these committees. He co-designed and/or directed the development of systems and resources widely used by the research community. He lead several of the most prominent European MT projects such as EuroMatrix, EuroMatrixPlus and QTLaunchPad. From 2010-2015 Uszkoreit coordinated the European Network of Excellence for the Multi_lingual Information Society META-NET with 47 research centers in 31 countries and META, the Multilingual Europe Technology Alliance, with 289 member organizations in 43 countries.

Between 2000 and 2016 Uszkoreit has co-founded and advised several technology start-up companies. He also has served on advisory and supervisory boards of other technology enterprises.

Uszkoreit is currently conducting several projects on the semantic analytics of textual data.

Awards and Honors

- since 2015 Honorary Chair of the European Network of Excellence META-NET
- 2013 Google Focused Research Award (with Feiyu Xu and Roberto Navigli)
- 2012 Google Faculty Research Award
- since 2011 Honorary Professor at Technische Universität Berlin
- since 2002 Elected Member of the European Academy of Science
- 2002 – 2003 President of the Association of Logic, Language and Information
- since 2000 Lifetime Member of the International Committee of Computational Linguistics

Other Academic Activities

- 2015 – Principal Investigator and Dissertation Supervisor of Excellence Cluster Multimodal Computing and Interaction of the DFG
- 2015 – Principal Investigator and Dissertation Supervisor in Special Collaborative Research Center SFB 1102
- 2011 – 2012 Co-Chair of the CMU Language Technologies Institute Advisory Board
- since 2008 Coordinator of the International Erasmus Mundus Masters Programme in Language and Communication Technology LCT
- since 2003 Steering Board Member of the International Initiative DELPH-IN

Selected Publications

- Zhou, J., F. Xu, H. Uszkoreit, W. Qu, R. Li, Y. Gu. (2016) AMR Parsing with an Incremental Joint Model, Proceedings of EMNLP 2016, Austin, Texas, USA, Springer, 2016
- Krause, S., L. Hennig, A. Moro, D. Weißenborn, F. Xu, H. Uszkoreit, R. Navigli (2016) Sar-graphs: A Language Resource Connecting Linguistic Knowledge with Semantic Relations from Knowledge Graphs. In: Journal of Web Semantics. Volumes 37–38, March 2016, Pages 112–131 Elsevier.
- Krause, S., F. Xu, H. Uszkoreit, D. Weißenborn (2016) Event Linking with Sentential Features from Convolutional Neural Networks In: Proceedings of the 20th Conference on Computational Natural Language Learning (CoNLL 2016), Association for Computational Linguistics, 2016.
- Harris, K., A. Burchardt, G. Rehm, L. Specia (2016) Technology Landscape for Quality Evaluation: Combining the Needs of Research and Industry. In: G. Rehm, et al. (eds.): Proceedings of the LREC 2016 Workshop “Translation Evaluation: From Fragmented Tools and Data Sets to an Integrated Ecosystem”, Portorož, Slovenia, o.A., 2016.
- Hennig, L., P. Thomas, R. Ai, J. Kirschnick, H. Wang, J. Pannier, N. Zimmermann, S. Schmeier, F. Xu, J. Ostwald, H. Uszkoreit (2016) Real-Time Discovery and Geospatial Visualization of Mobility and Industry Events from Large-Scale, Heterogeneous Data Streams, Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics, (Demo Paper) Berlin, Germany, ACL, 2016.
- Gabryszak, A., S. Krause, L. Hennig, F. Xu, H. Uszkoreit (2016) Relation- and Phrase-level Linking of FrameNet with Sar-graphs. In Proceedings of the 10th International Conference on Language Resources and Evaluation, Portorož, Slovenia, ELRA, 2016
- Avramidis, E., A. Burchardt, M. Popovic, H. Uszkoreit (2015) Towards Deeper MT - A Hybrid System for German in: Jan Hajič, António Branco (eds.): Proceedings of the 1st Deep Machine Translation Workshop, Pages 12-19, Prague, Czech Republic, Charles University in Prague, 9/2015.
- Weißenborn, D., L. Hennig, F. Xu, H. Uszkoreit. (2015) Multi-objective Optimization for the Joint Disambiguation of Nouns and Named Entities. In: Proceedings of the 53rd Annual Meeting of the Association for Computational Linguistics, July, Beijing, China, ACL.
- Lommel, A., A. Burchardt, H. Uszkoreit (2014) Multidimensional Quality Metrics (MQM): A Framework for Declaring and Describing Translation Quality Metrics. In: Attila Görög, Pilar Sánchez-Gijón (eds.): Tradumàtica: tecnologies de la traducció volume 0 number 12, Pages 455-463, 2014.
- Lommel, A., A. Burchardt, M. Popovic, K. Harris, E. Avramidis, H. Uszkoreit (2014) Using a new analytic measure for the annotation and analysis of MT errors on real data. In: Proceedings of the 17th Annual Conference of the European Association for Machine Translation, Pages 165-172, Dubrovnik, Croatia, European Association for Machine Translation, Croatian Language Technologies Society, 2014.
- Xu, F., H. Li, Y. Zhang, H. Uszkoreit, S. Krause (2014) Parse reranking for domain-adaptative relation extraction (2012) In: Journal of Logic and Computation, Volume 24 Issue 2 April 2014, Oxford Univ. Press.
- Uszkoreit, H., F. Xu (2013) From Strings to Things SAR-Graphs: A New Type of Resource for Connecting Knowledge and Language. In Proceedings of 1st International Workshop on NLP and DBpedia volume 1064, Sydney, NSW, Australia, CEUR Workshop Proceedings, 2013.
- Moro, A., H. Li, S. Krause, F. Xu, R. Navigli, H. Uszkoreit (2013) Semantic Rule Filtering for Web-Scale Relation Extraction The Semantic Web - ISWC 2013 - 12th International Semantic Web Conference, Sydney, NSW, Australia, Springer.
- Krause, S., H. Li, H. Uszkoreit, F. Xu (2012) Large-Scale Learning of Relation-Extraction Rules with Distant Supervision from the Web. In: Proceedings of the 11th International Semantic Web Conference, Boston, Massachusetts, USA, Springer.
- Uszkoreit, H.. Learning Relation Extraction Grammars with Minimal Human Intervention (2011) In: A. Gelbukh (Ed.) Computational Linguistics and Intelligent Text Processing. LNCS. Springer Berlin/Heidelberg, 2011. p.106-126.
- Xu, J., H. Uszkoreit, C. Kennington, D. Vilar, X. Zhang (2011) DFKI Hybrid Machine Translation System for WMT 2011 - On the Integration of SMT and RBMT. In: Proceedings of EMNLP - WMT workshop, Edinburgh, United Kingdom, NA, Edinburgh, UK, 7/2011
- Xu, F., H. Uszkoreit, H. Li (2008) Task driven coreference resolution for relation extraction. In: Proceedings of the European Conference for Artificial Intelligence ECAI 2008, o.A., Patras, Greece, 8/2008
- Zong, C., H. Uszkoreit (Eds.) (2010) Special Volume on Natural Language Processing. Journal of Computer Science and Technology, 2010: 1~2.
- Xu, F., H. Uszkoreit and H. Li. A Seed-driven Bottom-up Machine Learning Framework for Extracting Relations

of Various Complexity (2007) In: Proc. of ACL 07, Annual Meeting of the Association of Computational Linguistics, Prague.

Frank, A., H.-U. Krieger, F. Xu, H. Uszkoreit, B. Cysmann, B. Jörg and U. Schäfer (2007) Question Answering from Structured Knowledge Resources. In: J. of Applied Logic, 5(2007)1, Pages 20-48.