

Curriculum Vitae

Dr. Armin Hust



Date of Birth: 24.05.1956, Landau/Pfalz

Nationality: German

Marital Status: widowed, no children

School Education: 01.04.1962 – 30.11.1966: Volksschule, Insheim
01.12.1966 – 23.05.1975: Staatliches Neusprachliches Gymnasium, Landau

Graduation: Abitur

Military service: 01.07.1975 – 30.09.1976

Education: 01.10.1976 – 23.02.1979
Education as Mathematical-Technical Assistant, Hoechst AG, Frankfurt/Main

Graduation: Mathematical-Technical Assistant

Profession: 24.02.1979 – 31.12.1983
Systems Programmer, Hoechst AG, Frankfurt/Main

Profession: 01.01.1984 – 31.03.1996
ICR GmbH, Neustadt/Weinstraße (from 01.07.1994 Subsidiary company of EDS GmbH, Rüsselsheim)

- Systems Programmer
- Systems Consulter
- Manager Systems Software Development (from 01.06.1988)
- Director Information Technology (from 01.07.1993)

Studies: 01.10.1995 – 31.03.2001
Computer Science, Mathematics, Economics at University of Kaiserslautern

Graduation: Diplom-Informatiker (Master of Computer Science)

Profession: 01.01.1997 – 31.05.2000
Chief Executive Officer, SI Software Innovation GmbH, Neustadt/Weinstraße

Profession: 01.04.2001 – 31.03.2004
Senior Software Engineer, Deutsches Forschungszentrum für Künstliche Intelligenz GmbH (German Research Center for Artificial Intelligence), Kaiserslautern

Ph.D.: 24.05.2004
Ph.D. in Computer Science (Dr. rer. nat.), Technical University of Kaiserslautern, Thesis „Query Expansion Methods for Collaborative Information Retrieval“

Profession: from 01.04.2004
Scientific Advisor at A-Z Technology AG for products and services concerning knowledge management, search technology, web compliance

Main Business Activities

- 01.04.2001-31.03.2004 Research in Knowledge Management, especially in Information Retrieval. Development of the Collaborative Information Retrieval methodology in the Ph.D. thesis: utilizing knowledge from prior search processes may help improving the searching and finding of information in available text documents.
- 01.01.1997-31.05.2000 Chief Executive Officer, SI Software Innovation GmbH, Neustadt/Weinstraße. SI was started on 01.01.1997 as a buy-out from EDS GmbH and employed more than 40 staff members. Revenue increased from 3 millions DM in 1997 to more than 6.25 millions DM in 1999. SI develops and distributes a software system LDMS for document-management in a client/server environment utilizing OS/390, Windows, Linux and OS/2. Customers are large enterprises in Germany.
- 01.04.1994-31.03.1996 Management of a customer-specific development project for administration of security-relevant definitions in host and client/server environment (MVS, DB2, OS/2, LAN-Manager) based on the software system CURS.
- 01.07.1993-31.03.1996 Head of Information Technology department. Initiation and lead the development of a quality-management system according to DIN ISO 9001.
- Analysis of the actual state and definition of the target state for implementation of a quality assurance system according to DIN ISO 9001
 - Managing the development of a project management system and integrating a PC based working-time recording system
- 01.06.1988-31.12.1993 Head of System Software Development department. Initiated and lead the development of software products and sales support for
- PASYN a tool for synchronization of user-passwords in RACF in data centers utilizing multiple MVS computer systems
 - INTERPRET computer-based-training system for DOS and Windows
 - SNAR automatic recovery of network resources in SNA-networks
 - CURS administration of security-relevant definitions in MVS-RACF based host systems
 - LDMS output- and document-management system for storage, printing, viewing, and archiving of print-output in MVS systems
- 01.01.1987-30.06.1988 Initiated and developed the output-management system LDMS for storage, printing, viewing and archiving of print-output.
- 01.01.1986-31.12.1987 Chairman of the RACF working group in the MVS working committee of the German G.U.I.D.E. Association.
- 24.02.1979-31.12.1986 Systems programmer. Development of operating system oriented programs in job-scheduling, output-management and data-center automation. Installation, implementation and maintenance of system software products in MVS systems. Consulting projects.

Scientific Publications

Journals

Armin Hust. Introducing the Collaborative Information Retrieval Methodology. In: Informatik. Forschung und Entwicklung. Volume 19(4), pp 224-238, ISSN 0178-3564, Springer Verlag, Juli 2005.

Armin Hust. Dokumentenablage und Informationssuche – Anforderungen und Lösungen. In: ERP Management 1/2005, GITO Verlag, pp 53-55, March 2005.

Armin Hust, Markus Junker, Andreas Dengel. A Mathematical Model for Improving Retrieval Performance in Collaborative Information Retrieval. In: Sándor Dominich, Mounia Lalmas and Keith van Rijsbergen, editors; Advances in Mathematical/Formal Methods in Information Retrieval, Kluwer Information Retrieval Special Issue, ISSN 1386-4564. 2004.

Stefan Agne, Armin Hust, Stefan Klink, Markus Junker, Andreas Dengel, Christoph Altenhofen, Jürgen Franke, Ingrid Renz, Bertin Klein. Text-Mining in Adaptive READ. In: Edda Leopold and Thorsten Joachims, editors; KI-Künstliche Intelligenz, Schwerpunkt: Text-Mining, 16(2), pp 30-33, arendtap Desktop Publishing Verlag, ISSN 0933-1875. April 2002.

Conferences

Armin Hust. Learning Similarities for Collaborative Information Retrieval. Proceedings of the KI 2004 Workshop “Machine Learning and Interaction for Text -Based Information Retrieval“, TIR-04. September 2004.

Armin Hust, Stefan Klink, Markus Junker, Andreas Dengel. Query Reformulation in Collaborative Information Retrieval. Proceedings of the International Conference on Information and Knowledge Sharing, IKS 2002, St. Thomas, U.S. Virgin Islands. In: Marc Boumedine, editor; ACTA Press, pp 95-100, ISBN 0-88986-325-3. November 2002.

Armin Hust, Stefan Klink, Markus Junker, Andreas Dengel. Query Expansion for Web Information Retrieval. Proceedings of Web Information Retrieval Workshop, 32nd Annual Conference of the German Informatics Society, Dortmund, Germany. In: Sigrid Schubert, Bernd Reusch and Norbert Jesse, editors; Lecture Notes in Informatics Volume P-19, pp 176-180, ISBN 3-88579-348-2. October 2002.

Stefan Klink, Armin Hust, Markus Junker, Andreas Dengel. Collaborative Learning of Term-Based Concepts for Automatic Query Expansion. Proceedings of ECML 2002, 13th European Conference on Machine Learning, Helsinki, Finland. In: Springer, Lecture Notes in Artificial Intelligence Volume 2430, pp 195-206, ISBN 3-540-44036-4. August 2002.

Stefan Klink, Armin Hust, Markus Junker, Andreas Dengel. Improving Document Retrieval by Automatic Query Expansion Using Collaborative Learning of Term-Based Concepts. Proceedings of DAS 2002, 5th International Workshop on Document Analysis Systems, Princeton, NJ, USA. In: Springer, Lecture Notes in Computer Science Volume 2423, pp 376-387, ISBN 3-540-44068-2. August 2002.

Miscellaneous

Armin Hust. Query Expansion Methods for Collaborative Information Retrieval. Ph.D. thesis, ISBN 3-936890-43-9. Technical University of Kaiserslautern. August 2004.

Armin Hust. Introducing Query Expansion Methods for Collaborative Information Retrieval. In: Reading and Learning - Adaptive Content Recognition. Springer, Lecture Notes in Computer Science Volume 2956, pp 252-280, ISBN 3-540-21904-8. April 2004.

Armin Hust, Stefan Klink, Markus Junker, Andreas Dengel. Towards Collaborative Information Retrieval: Three Approaches. In: Jürgen Franke, Gholamreza Nakhaeizadeh and Ingrid Renz, editors; Text Mining - Theoretical Aspects and Applications, Physica-Verlag, pp 97-112, ISBN 3-7908-0041-4. March 2003.

Stefan Klink, Armin Hust, Markus Junker. TCL - An Approach for Learning Meanings of Queries in Information Retrieval Systems. In: Content Management - Digitale Inhalte als Bausteine einer vernetzten Welt, pp 15-25, ISBN 3-8167-6155-0. June 2002.

Armin Hust. Prediction of User Access Behavior to Distributed Data Objects. Diploma thesis, University of Kaiserslautern, Germany. January 2001.