

DIRK RIEHLE – CURRICULUM VITAE

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1 GENERAL

1.1 Education

2000 – Swiss Federal Institute of Technology– Zurich, Switzerland

Doctor of Technical Sciences (Dr. Sc. Tech.) – Advisor: Thomas Gross – No grading

2004 – Stanford Graduate School of Business – Stanford, CA

Master of Business Administration (M.B.A.) – No grading

1995 – University of Hamburg – Hamburg, Germany

Diplom-Informatiker (Dipl.-Inform.) – Advisor: Heinz Züllighoven – Grade: "sehr gut"

1990 – University of Hamburg – Hamburg, Germany

Vordiplom in Physics – Grade: "gut"

1.2 Work Experience

2009-present – Friedrich-Alexander University Erlangen-Nürnberg – Erlangen, Germany

Professor for Open Source Software

- Associate professor (tenured), leading the open source research group
 - For German readers: This is a free professorship, W2 level, not tied to a chair
- Leader of the "applied software engineering" research and teaching alliance

2006-2009 – SAP Research, SAP Labs, LLC – Palo Alto, CA

Senior Research Scientist

- Principal investigator of the open source research group
 - Leading research on open source
 - Leading research on Web 2.0 applications
- Research, engineering, and operations responsibility for SAP Forge, SAP's internal software forge
- Consultant to executive management of SAP on open source

2004-2006 – Bayave Software GmbH – Berlin, Germany

Co-founder and Chief Scientist

- Co-developed go-to-market strategy and developed technology strategy
- Built company team and drove development towards first release
- Designed overall system architecture and co-developed core frameworks

2003 – Sun Microsystems Laboratories (Sun Labs) – Mountain View, CA

Emerging Technologies Intern

- Conducted market assessment, competitive analysis, and revenue projection for real-time Java virtual machine (RTSJ implementation)

1999-2002 – SKYVA International – Boston, MA

Software Developer (programmer, architect, team lead)

- Designed SKYVA's UML virtual machine and led five developers in its implementation
- Co-designed and communicated SKYVA's new approach to business modeling
- Co-developed core frameworks for organizational and business process modeling
- Co-developed business-domain-specific modeling languages and supporting tools
- Co-developed tools for simplified framework application
- Introduced proper unit testing, standardized development tools, developed general guidelines
- Supported marketing and sales in better communicating the product's vision
- Worked with product management to translate customer requests into product requirements

1999 – Credit Suisse – Zurich, Switzerland

Database Specialist

- Developed next-generation meta-data architecture for Credit Suisse's data warehousing division

1995-1999 – Ubilab, UBS AG – Zurich, Switzerland

Scientific Specialist and Team Leader, Software Engineering Research Group

- Led research group of three fulltime researchers and numerous students and consultants
- Solicited and led IT projects within UBS providing substantial in-house revenue for Ubilab (60% utilization, as desired, of group staff at top IT consulting market rates)
- Co-developed object-oriented frameworks for financial instruments, corporate client management, distributed computing, meta-level architectures, etc.

1.3 Professional Education

- 2001 – Problem-Solving Leadership: Weinberg & Weinberg – Santa Fe, NM (1 week)
- 2000 – Microeconomics Theory – Harvard Extension School, Boston, MA (summer school)
- 1998 – Project leadership course – UBS AG, Wolfsberg, Switzerland (1 week)
- 1998 – Team leadership course – UBS AG, Wolfsberg, Switzerland (1 week)
- 1998 – Global Banker Seminar – ACF Consultants Ltd. – Wolfsberg, Switzerland (1 week)
- 1997 – Language and Speaking in University Teaching – University of Zurich, Switzerland (21 hours)
- 1997 – Project leadership – Schweizer Gesellschaft für Organisation – Zurich, Switzerland (1 week)
- 1996 – Introduction to Banking – UBS AG, Zurich, Switzerland (1 week)

1.4 Additional Information

- Bilingual German/English
- Practice improvisational story-telling and theater, enjoy the arts
- Enjoy running, swimming, and the outdoors; avid snowboarder

2 RESEARCH

2.1 Publications

All publications are available as PDF files at <http://dirkriehle.com/publications/>. I have framed the ten most frequently cited publications for your convenience.

Journal Publications

- Dirk Riehle. "The Single-Vendor Commercial Open Source Business Model." *Information Systems and e-Business Management*. Springer Verlag, 2011. Republished from "The Commercial Open Source Business Model." *Value Creation in e-Business Management* (LNBIP 36). Edited by M.L. Nelson et al. Springer Verlag, 2009. Page 18–30. Republished from *Proceedings of the 15th Americas Conference on Information Systems* (AMCIS 2009). AIS Electronic Library, 2009. Paper 104.
 - Dirk Riehle. "Lessons Learned from Using Design Patterns in Industry Projects." *LNCS Transactions on Pattern Languages of Programming* vol. 1, no. 2. Springer Verlag, 2010. Forthcoming.
 - Dirk Riehle. "The Economic Case for Open Source Foundations." *IEEE Computer* vol. 43, no. 1 (January 2010). Page 86-90.
 - Dirk Riehle, John Ellenberger, Tamir Menahem, Boris Mikhailovski, Yuri Natchetoi, Barak Naveh, and Thomas Odenwald. "Open Collaboration within Corporations using Software Forges." *IEEE Software* vol. 26, no. 2 (March/April 2009). Page 52-58.
 - Dirk Riehle. "The Economic Motivation of Open Source." *IEEE Computer* vol. 40, no. 4 (April 2007). Page 25-32.
 - Dirk Bäumer, Guido Gryczan, Rolf Knoll, Carola Lilienthal, Dirk Riehle, and Heinz Züllighoven. "Domain-Driven Framework Layering in Large Systems." *ACM Computing Surveys* 32, 1es (March 2000). Article No. 5.
 - Dirk Riehle, Roger Brudermann, Thomas Gross, and Kai-Uwe Mätzel. "Pattern Density and Role Modeling of an Object Transport Service." *ACM Computing Surveys* 32, 1es (March 2000). Article No. 10.
- Dirk Bäumer, Guido Gryczan, Rolf Knoll, Carola Lilienthal, Dirk Riehle, and Heinz Züllighoven. "Framework Development for Large Systems." *Communications of the ACM* vol. 40, no. 10 (October 1997). Page 52- 59.
- Dirk Riehle and Heinz Züllighoven. "Understanding and Using Patterns in Software Development." *Theory and Practice of Object Systems* vol. 2, no. 1 (1996). Page 3-13. Republished in *Software Engineering: Volume 1: The Development Process, 2nd Edition*. Edited by Richard H. Thayer, Merlin Dorfman, and Dixie Garr. IEEE CS Press, 2002. Page 225-239.
- Dirk Riehle. "The Event Notification Pattern—Integrating Implicit Invocation with Object-Orientation." *Theory and Practice of Object Systems* vol. 2, no. 1 (1996). Page 43-52.
 - Dirk Riehle, Bruno Schäffer and Martin Schnyder. "Design of a Smalltalk Framework for the Tools and Materials Metaphor." *Informatik* (February 1996). Page 20-22.

Conference Publications

- Valentin Schöndienst, Hanna Krasnova, Oliver Günther, and Dirk Riehle. "Micro-Blogging Adoption in the Enterprise: An Empirical Analysis." In *Proceedings of the 10th International Conference on Wirtschaftsinformatik* (WI 2011). Page 931-940.

- Dirk Riehle. "Design Pattern Density Defined." In *Proceedings of the 2009 Conference on Object-Oriented Programming Systems, Languages, and Applications* (OOPSLA Onward! '09). ACM Press, 2009. Page 469-480.
 - Oliver Günther, Hanna Krasnova, Dirk Riehle, Valentin Schönberg. "Modeling Micro-Blogging Adoption in the Enterprise." In *Proceedings of the 15th Americas Conference on Information Systems* (AMCIS 2009). AIS Electronic Library, 2009. Paper 544.
 - Philipp Hofmann and Dirk Riehle. "Estimating Commit Sizes Efficiently." In *Proceedings of the 5th International Conference on Open Source Systems* (OSS 2009). Springer Verlag, 2009. Page 105-115.
 - Oliver Arafat and Dirk Riehle. "The Commit Size Distribution of Open Source Software." In *Proceedings of the 42nd Hawaiian International Conference on System Science* (HICSS-42). IEEE Press, 2009. Page 1-8.
 - Martin Junghans, Dirk Riehle, Rama Gurram, Matthias Kaiser, Mário Lopes, and Umit Yalcinalp. "A Grammar for Standardized Wiki Markup." In *Proceedings of the 2008 International Symposium on Wikis* (WikiSym 2008). ACM Press, 2008. Forthcoming.
 - Amit Deshpande and Dirk Riehle. "The Total Growth of Open Source." In *Proceedings of the Fourth Conference on Open Source Systems* (OSS 2008). Springer Verlag, 2008. Page 197-209.
 - Dirk Riehle. "Value Object." In *Proceedings of the 2006 Pattern Languages of Programming Conference* (PLoP 2006). ACM Press, 2006. Article 30.
 - Dirk Riehle. "How and Why Wikipedia Works: An Interview with Angela Beesley, Elisabeth Bauer, and Kizu Naoko." In *Proceedings of the 2006 International Symposium on Wikis* (WikiSym 2006). ACM Press, 2006. Page 3-8.
- Dirk Riehle, Steven Fraleigh, Dirk Bucka-Lassen, and Nosa Omorogbe. "The Architecture of a UML Virtual Machine." In *Proceedings of the 2001 Conference on Object-Oriented Programming Systems, Languages, and Applications* (OOPSLA 2001). ACM Press, 2001. Page 327-341.
- Dirk Riehle. "A Comparison of the Value Systems of Adaptive Software Development and Extreme Programming: How Methodologies May Learn from Each Other." In *Proceedings of the First International Conference on Extreme Programming and Flexible Processes in Software Engineering* (XP 2000). Page 35-50.
- Dirk Riehle and Thomas Gross. "Role Model Based Framework Design and Integration." In *Proceedings of the 1998 Conference on Object-Oriented Programming Systems, Languages and Applications* (OOPSLA 1998). ACM Press, 1998. Page 117-133.
- Dirk Riehle. "Composite Design Patterns." In *Proceedings of the 1997 Conference on Object-Oriented Programming Systems, Languages and Applications* (OOPSLA 1997). ACM Press, 1997. Page 218-228.
- Walter Bischofberger, Michael Guttman and Dirk Riehle. "Global Business Objects: Requirements and Solutions." In *Proceedings of the 1996 Ubilab Conference*. Edited by Kai-Uwe Mätzel and Hans-Peter Frei. Konstanz, Germany: Universitätsverlag, 1996. Page 79-98.
- Dirk Riehle. "Describing and Composing Patterns Using Role Diagrams." In *Proceedings of the 1st International Conference on Object-Oriented Technology in Russia* (WOON 1996). Edited by Alexander V. Smolyaninov and Alexei S. Shestialtynov. St. Petersburg, Russia: Electrotechnical University, 1996. Page 169-178. Also published in *Proceedings of the 1996 Ubilab Conference*. Edited by Kai-Uwe Mätzel and Hans-Peter Frei. Konstanz, Germany: Universitätsverlag Konstanz, 1996. Page 137-152.

- Dirk Riehle. "How and Why to Encapsulate Class Trees." In *Proceedings of the 1995 Conference on Object-Oriented Programming Systems, Languages and Applications (OOPSLA 1995)*. ACM Press, 1995. Page 251-264.
- Dirk Riehle und Heinz Züllighoven. "Späte Erzeugung." 39. *Internationales Wissenschaftliches Kolloquium*. Thüringen: Technische Universität Ilmenau, 1994. Page 3-9.

Short Conference Papers

- Oliver Arafat and Dirk Riehle. "The Commenting Practice of Open Source." In *Companion to Proceedings of the 2009 Conference on Object-Oriented Programming Systems, Languages and Applications (OOPSLA Onward! 2009)*. ACM Press, 2009. Page 857-864.
- Oliver Arafat and Dirk Riehle. "The Comment Density of Open Source Software Code." In *Companion to Proceedings of the 31st International Conference on Software Engineering (ICSE 2009)*. IEEE Press, 2009. Page 195-198.
- Amit Deshpande and Dirk Riehle. "Continuous Integration in Open Source Software Development." In *Proceedings of the Fourth Conference on Open Source Systems (OSS 2008)*. Springer Verlag, 2008. Page 237-280.
- Jan Brunnert, Omar Alonso, and Dirk Riehle. "Enterprise People and Skill Discovery Using Tolerant Retrieval and Visualization." In *Proceedings of the 29th European Conference on Information Retrieval*. Lecture Notes in Computer Science vol. 4425. Springer Verlag, 2007. Page 674-677.

Book Chapters

- Dirk Riehle, Michel Tilman, and Ralph Johnson. "Dynamic Object Model." In *Pattern Languages of Program Design 5*. Edited by Dragos Manolescu, Markus Völter, James Noble. Addison-Wesley, 2005. Previously published in *Proceedings of the 2000 Conference on Pattern Languages of Programs (PLoP 2000)*. Washington University Technical Report number WUCS-00-29. Washington University, 2000.

- Dirk Bäumer, Dirk Riehle, Wolf Siberski, and Martina Wulf. "Role Object." In *Pattern Languages of Program Design 4*. Edited by Neil Harrison, Brian Foote, and Hans Rohnert. Addison-Wesley, 2000. Chapter 2, Page 15-32. Previously published in *Proceedings of the 1997 Conference on Pattern Languages of Programs (PLoP 1997)*. Technical Report WUCS-97-34. Washington University Dept. of Computer Science, 1997.

- Bruno Essmann, Dirk Riehle und Kai-Uwe Mätzel. "Bibliography Shopper." In *Erfahrungen mit Java: Projekte aus Industrie und Hochschule*. Herausgegeben von Silvano Maffei, Fridtjof Toenniessen und Christian Zeidler. dpunkt Verlag, 1999. Page 173-198.
- Dirk Bäumer, Guido Gryczan, Rolf Knoll, Carola Lilienthal, Dirk Riehle, and Heinz Züllighoven. "Structuring Large Application Frameworks." In *Building Application Frameworks*. Edited by Mohamed E. Fayad, Douglas C. Schmidt, and Ralph E. Johnson. Wiley & Sons: 1999. Page 395-409.
- Dirk Bäumer and Dirk Riehle. "Product Trader." In *Pattern Languages of Program Design 3*. Edited by Robert Martin, Dirk Riehle, and Frank Buschmann. Addison-Wesley, 1998. Chapter 3, Page 29-46. Previously published as: Dirk Bäumer and Dirk Riehle. "Late Creation—A Creational Pattern." In *Proceedings of the 1996 Conference on Pattern Languages of Programs (PLoP 1996)*. Washington University Department of Computer Science, Technical Report WUCS-97-07, 1997.
- Dirk Riehle. "Bureaucracy." In *Pattern Languages of Program Design 3*. Edited by Robert Martin, Dirk Riehle, and Frank Buschmann. Addison-Wesley, 1998. Chapter 11, Page 163-186. Previously published as: Dirk Riehle. "Bureaucracy—A Composite Pattern." In *Preliminary Proceedings of the 1996 European Conference on Pattern Languages of Programs (EuroPLoP 1996)*. Irsee, Germany, 1996.

- Dirk Riehle, Wolf Siberski, Dirk Bäumer, Daniel Megert and Heinz Züllighoven. "Serializer." In *Pattern Languages of Program Design 3*. Edited by Robert Martin, Dirk Riehle, and Frank Buschmann. Addison-Wesley, 1998. Chapter 17, Page 293-312. Previously published as: "The Atomizer—Efficiently Streaming Object Structures." In *Proceedings of the 1996 Conference on Pattern Languages of Programs (PLoP 1996)*. Washington University Department of Computer Science, Technical Report WUCS-97-07, 1997. Paper 2.7.
- Dirk Riehle. "Patterns for Encapsulating Class Trees." In *Pattern Languages of Program Design 2*. Edited by John M. Vlissides, James O. Coplien and Norman L. Kerth. Addison-Wesley, 1996. Chapter 6, Page 87-104. Previously published in *Preliminary Proceedings of the 1995 Conference on Pattern Languages of Programs (PLoP 1995)*. University of Illinois at Urbana-Champaign, 1995.

- Dirk Riehle and Heinz Züllighoven. "A Pattern Language for Tool Construction and Integration Based on the Tools and Materials Metaphor." In *Pattern Languages of Program Design*. Edited by James O. Coplien and Douglas C. Schmidt. Addison-Wesley, 1995. Chapter 2, Page 9-42. Previously published in *Preliminary Proceedings of the 1994 Conference on Pattern Languages of Programs (PLoP 1994)*.

Edited Proceedings

- Dirk Riehle and Amy Bruckman (editors). *Proceedings of the 5th International Symposium on Wikis and Open Collaboration*. Orlando, FL, USA: ACM Press, 2009.
- Dirk Riehle and James Noble (editors). *Proceedings of the 2006 International Symposium on Wikis*. Odense, Denmark: ACM Press, 2006.
- Dirk Riehle (editor). *Proceedings of the 2005 International Symposium on Wikis*. San Diego, CA: ACM Press, 2005.
- Dirk Riehle (editor). *Proceedings of the 1999 CHOOSE Forum on Object-Oriented Software Architecture*. Web-published.
- Frank Buschmann and Dirk Riehle (editors). *Proceedings of the 1997 European Pattern Languages of Programming Conference (EuroPLoP 1997)*. Siemens Technical Report 120/SW1/FB. Munich, Germany: Siemens, 1997.

Books, Dissertation, Edited Books

- Dirk Riehle. *Framework Design: A Role Modeling Approach*. Ph.D. Thesis, No. 13509. Zurich, Switzerland: ETH Zurich, 2000.
- Robert Martin, Dirk Riehle, and Frank Buschmann (editors). *Pattern Languages of Program Design 3*. Addison Wesley, 1998.
- Dirk Riehle. *Entwurfsmuster für Softwarewerkzeuge*. Addison-Wesley Germany, 1997.
- Erich Gamma, Richard Helm, Ralph Johnson and John Vlissides. *Entwurfsmuster—Elemente wiederwendbarer objektorientierter Software*. Translated into German by Dirk Riehle. Addison-Wesley Germany, 1996.

Workshop Papers

- Dirk Riehle. "Three Positions on the Future of Open Source Research." Position paper for the *Workshop on the Future of Research on Free/Open Source Software*. Newport Beach and UC Irvine, 2010.
- Craig Anslow and Dirk Riehle. "Towards End-User Programming with Wikis." In *Proceedings of the Fourth Workshop on End-User Software Engineering (WEUSE IV)*. IEEE Press, 2008. Page 61-65.
- Craig Anslow, Dirk Riehle. "Lightweight End-User Programming with Wikis." Position Paper for the *WikiSym 2007 Workshop on Wikis for Software Engineering*.

- Dirk Riehle. "The Road to UML Virtual Machines." In *Proceedings of the 2nd Workshop on UML for Enterprise Applications: Model Driven Solutions for the Enterprise*. OMG, 2001.
- Dirk Riehle. "Framework Design: A Role Modeling Approach." Position Paper for *OOPSLA 2000 Workshop 14 on Object-Oriented Frameworks*.
- Dirk Riehle. "What is Metadata?" Position Paper for *OOPSLA 1999 Workshop 21 on Metadata and Active Object Models*.
- Dirk Riehle and Erica Dubach. "Why a Bank Needs Dynamic Object Models." Position Paper for *OOPSLA 1998 Workshop 15 on Metadata and Active Object Models*.
- Dirk Riehle and Kai-Uwe Mätzel. "Using Reflection to Support System Evolution." *Position Paper for OOPSLA 1998 Workshop 28 on Modeling Dynamic/Emergent Distributed Object Systems*.
- Kai-Uwe Mätzel and Dirk Riehle. "Object-Oriented Design Quality." *Position Paper for OOPSLA 1997 Workshop 12 on Object-Oriented Design Quality*.
- Walter Bischofberger, Michael Guttman and Dirk Riehle. "Architecture Support for Global Business Objects: Requirements and Solutions." *ISAW-2 (2nd Int'l Software Architecture Workshop)*. In *Joint Proceedings of the SIGSOFT 1996 Workshops*. Edited by Laura Vidal, Anthony Finkelstein, George Spanoudakis, and Alexander L. Wolf. ACM Press, 1996. Page 143-146.
- Dirk Riehle. "Exploration of Framework Design Principles." Position Paper for *OOPSLA 1996 Workshop 28 on Exploration of Framework Design Principles*.
- Dirk Riehle and Dirk Bäumer. "Subjectivity in Object-Oriented Systems." Position Paper for *OOPSLA 1995 Workshop 32 on Subjectivity in Object-Oriented Systems*.

Technical Reports

- Dirk Riehle. *JUnit 3.8 Documented Using Collaborations*. ACM SIGSOFT Software Engineering Notes vol. 33, no. 2 (March 2008). ACM Press, 2008. Article No. 5.
- Martin Junghans, Dirk Riehle, Rama Gurram, Matthias Kaiser, Mario Lopes, and Umit Yalcinalp. *An EBNF Grammar for Wiki Creole 1.0*. ACM SIGWEB Newsletter (Winter 2007), Article No. 4.
- Martin Junghans, Dirk Riehle, and Umit Yalcinalp. *An XML Interchange Format for Wiki Creole 1.0*. ACM SIGWEB Newsletter (Winter 2007), Article No. 5.
- Dirk Bäumer, Dirk Riehle, Wolf Siberski, Carola Lilienthal, Daniel Megert, Karl-Heinz Sylla, and Heinz Züllighoven. *Values in Object Systems*. Ubilab Technical Report 98.10.1. Zurich, Switzerland: UBS AG, 1998.
- Patrizia Marsura and Dirk Riehle. *Design and Implementation of the Java Any Framework*. Ubilab Technical Report 98.5.1. Zurich, Switzerland: UBS AG, 1998.
- Roger Bruderemann. *GeoTransporter--Entwurf und Implementierung eines Objekttransports für das Geo-System*. Ubilab Technical Report 97.3.1. Zurich, Switzerland: UBS AG, 1997.
- Dirk Riehle. *A Role-Based Design Pattern Catalog of Atomic and Composite Patterns Structured by Pattern Purpose*. Ubilab Technical Report 97.1.1. Zurich, Switzerland: UBS AG, 1997.
- Dirk Riehle. *Muster am Beispiel der Werkzeug und Material Metapher*. Diplomarbeit, Fachbereich Informatik, University of Hamburg. Hamburg: University of Hamburg, 1995.
- Dirk Riehle and Martin Schnyder. *Design and Implementation of a Smalltalk Framework for the Tools and Materials Metaphor*. Ubilab Technical Report 95.7.1. Zurich, Switzerland: UBS AG, 1995.
- Dirk Riehle. *Objektorientierte Architektur nach der Werkzeug – Material Metapher am Beispiel eines grafischen Aufgabennetzeditors*. Studienarbeit, Fachbereich Informatik, University of Hamburg. Hamburg, University of Hamburg, 1993.

Industry Publications

- Dirk Riehle. "Geld verdienen mit Open-Source." *OBJEKTSpektrum* 06/2006. Page 14pp.

- Dirk Riehle. "Method Properties in Java." *Java Report* vol. 5, no. 5 (May 2000). Page 62pp.
- Dirk Riehle. "Working with Classes and Interfaces." *C++ Report* vol. 12, no. 3 (March 2000). Page 14pp.
- Dirk Riehle. "Method Types in Java." *Java Report* vol. 5, no. 2 (February 2000). Page 22pp.
- Dirk Riehle and Erica Dubach. "Working with Java Interfaces and Classes (Part 2 of 2)." *Java Report* vol. 4, no. 10 (October 1999). Page 34pp.
- Dirk Riehle and Erica Dubach. "Working with Java Interfaces and Classes (Part 1 of 2)." *Java Report* vol. 4, no. 7 (July 1999). Page 35pp.
- Walter Bischofberger and Dirk Riehle. "Löst CORBA wirklich alle unsere Probleme?" *OBJEKTSpektrum* 6/1997 (November/Dezember 1997). Page 36-39.
- Dirk Riehle. "Arbeiten mit Java-Schnittstellen und -Klassen (Teil 2 von 2)". *Java Spektrum* 6/1997 (November/Dezember 1997). Page 35-43.
- Dirk Riehle. "Arbeiten mit Java-Schnittstellen und -Klassen (Teil 1 von 2)". *Java Spektrum* 5/1997 (September/October 1997). Page 26-33.

Other Writings

- Dirk Riehle. "The Perfection of Informality: Tools, Templates, and Patterns." *Cutter IT Journal* vol. 16, no. 9 (September 2003). Edited by Joshua Kerievsky. Page 22-26.
- Dirk Riehle. "The Human Side of Architectural Styles." *IEEE Computer* vol. 30, no. 4 (April 1997). IEEE Press, 1997. Page 6.

2.2 Presentations (Invited Talks)

Presentations are invited talks that are not research paper presentations. (See publications for those.) Some of the presentations are available as PDF files at <http://dirkriehle.com/presentations/>.

Invited talks in 2011

- Dirk Riehle. "Open Source Best Practices." Invited talk at Siemens Healthcare Solutions. Erlangen, Germany: 2011-04-19.
- Dirk Riehle. "Open Source Research." Invited talk at Computer Science Department. University of Groningen. Groningen, the Netherlands: 2011-04-18.
- Dirk Riehle. "Open Source Research." Invited talk at Computer Science Department, Technical University of Berlin. Berlin, Germany: 2011-04-12.
- Dirk Riehle. "Open Source Research." Invited talk at Computer Science Department, Technical University of Munich. Munich, Germany: 2011-04-08.
- Dirk Riehle. "Open Source Research." Invited talk at Computer Science Department, University of Macau. Macau, China: 2011-04-01.
- Dirk Riehle. "Open Source Research." Invited talk at Computer Science Department, Peking University. Beijing, China: 2011-03-18.
- Dirk Riehle. "Open Source Research." Invited talk at Computer Science Department, Tsinghua University. Beijing, China: 2011-03-17.
- Dirk Riehle. "Firm Internal Open Source." Invited talk at DATEV. Nürnberg, Germany, 2011-02-24.
- Dirk Riehle. "The Single-Vendor Open Source Business Model." Invited talk at Enterprise Open Source Days 2011. Nürnberg, Germany: 2011-02-01.
- Dirk Riehle. "Das AMOS Projekt: Nachhaltige Projekte zum Lernen und Ausgründen." Eingeladener Vortrag zur START Initiative der Universität Erlangen-Nürnberg. Nürnberg, Germany: 2011-01-12.

Invited talks in 2010

- Dirk Riehle. "Firm Internal Open Source." Invited talk at *FhG FIRST*. Berlin, Germany: 2010-12-13.
- Dirk Riehle. "Open Collaboration in Knowledge Management." Invited talk at *Gesellschaft für Wissensmanagement*. Erlangen, Germany: 2010-12-09.
- Dirk Riehle. "Control Points and Steering Mechanisms in Open Source." Keynote at *Lisog 2010 Open Source Tag*. Stuttgart, Germany: 2010-11-11.
- Dirk Riehle. "Firm Internal Open Source." Invited talk at *Fortiss*. Munich, Germany: 2010-10-11.
- Dirk Riehle. "A New Developer Career." Invited talk at *OpenSuse User Conference*. Nuremberg, Germany: 2010-10-23.
- Dirk Riehle. "The State of Open Source Business Research." Invited talk at *Open World Forum*. Paris, France: 2010-10-01.
- Dirk Riehle. "The State of Open Source." Keynote address at *Open World Forum*. Paris, France: 2010-09-30.
- Dirk Riehle. "Was kommerzielle Softwareentwicklung von Open Source lernen kann." Keynote at *Develop Group Forum*. Erlangen, Germany: 2010-07-15.
- Dirk Riehle. "Was kommerzielle Softwareentwicklung von Open Source lernen kann." Invited talk at *Audi Tag der Softwareentwicklung*. Ingolstadt, Germany: 2010-07-13.
- Dirk Riehle. "Open Source: Was es ist, wie es funktioniert, warum es nachhaltig ist." Keynote at the *Dortmunder Informatik-Tag 2010* (University of Dortmund). Dortmund, Germany: 2010-07-02.

- Dirk Riehle. "Open Source: A New Software Developer Career." Invited talk at the *4th FLOSS International Workshop on Free/Libre Open Source Software*. Jena, Germany: 2010-07-01.
- Dirk Riehle. "Open Source: A New Software Developer Career." Keynote at *Linux-Tag 2010*. Berlin, Germany: 2010-06-10.
- Dirk Riehle. "Open Source Software." Invited talk at *N-ERGIE Software Group*. Nürnberg, Germany: 2010-05-19.
- Dirk Riehle. "Open Source Software Research." Invited talk at *Black Duck Software*. Boston, MA, USA: 2010-05-14.
- Dirk Riehle. "Why Open Source is Hard for Closed Source Vendors." Invited talk at *JAX 2010*. Mainz, Germany: 2010-05-05.
- Dirk Riehle. "Open Source Software Research." *Tag der Informatik 2010 (Computer Science Day) of Friedrich-Albert-University Erlangen-Nürnberg*. Erlangen, Germany: 2010-04-30.
- Dirk Riehle. "Open Source Economics." Invited talk at the *2010 Workshop for Free and Open Source Software Technology*. Riyadh, KSA: 2010-04-25.
- Dirk Riehle. "Open Source Software Research." *Colloquium, Department of Information Systems, City University of Hong Kong*. Hong Kong, China: 2010-03-30.
- Dirk Riehle. "Open Source Software Research." *Software Engineering Research Group, Department of Computer Science, Hong Kong University of Science and Technology*. Hong Kong, China: 2010-03-25.
- Dirk Riehle. "Open Source: A New Software Developer Career." Keynote at *CeBIT 2010 Open Source Forum*. Hannover, Germany: 2010-03-02.
- Dirk Riehle. "Single-Vendor Commercial Open Source." Lecture at *Talend 25.02.10 Business Lunch*. Nuremberg, Germany: 2010-02-25.
- Dirk Riehle. "Why Open Source is Hard for Closed Source Vendors." Closing keynote at the *Workshop for Open Source, Innovation, and Entrepreneurship*. Jena, Germany: 2010-01-14.

Invited talks in 2009

- Dirk Riehle. "Why Open Source is Hard for Closed Source Vendors." Invited talk at *2009 SAP Open Source Summit*. Walldorf, Germany: 2009-11-12.
- Dirk Riehle. "The Commercial Open Source Business Model." Invited talk at the *2009 Theseus Symposium*. Berlin, Germany: 2009-06-30.
- Oliver Günther, Dirk Riehle. "Microblogging in Enterprises." Invited talk at the *2009 Theseus Symposium*. Berlin, Germany: 2009-06-30.
- Dirk Riehle. "Bringing Open Source Best Practices into Corporations using a Software Forge." Talk at *SEACON 2009*. Hamburg, Germany: 2009-06-23.
- Dirk Riehle. "Open Source Software Research." Invited talk at *Colloquium, Computer Science Department, University of Calgary*. Calgary, Canada: 2009-04-06.
- Oliver Günther, Dirk Riehle. "Microblogging in the Enterprise." Invited talk at *SAP Forum*. Palo Alto, CA, USA: 2009-03-27.
- Dirk Riehle. "Six Easy Pieces of Quantitatively Analyzing Open Source Projects." Talk at *Open Source Business Conference 2009*. San Francisco, CA: 2009-03-24.
- Dirk Riehle. "Open Source Software Developer Careers." Talk at *Open Source Meets Business 2009* conference. Nuremberg, Germany: 2009-01-27.

Invited talks in 2008

- Dirk Riehle. "Open Source Software Development." *Colloquium, Computer Science Department, Friedrich-Albert-University Erlangen-Nürnberg*. Erlangen, Germany, 2008.

- Dirk Riehle. "Open Source Software Development." *Colloquium of Philipps-University Marburg*. Marburg, Germany: 2008.
- Dirk Riehle. "Open Source Research: Processes, Economics, and Sustainability." *Colloquium of TU Darmstadt*. Darmstadt, Germany: 2008.
- Dirk Riehle. "Who Benefits from Open Source? How and Why?" *Colloquium, Department of Information Systems, City University of Hong Kong*. Hong Kong, China: 2008.
- Dirk Riehle. "Learning from Wikipedia: Open Collaboration within Corporations." Invited talk at *Talk the Future 2008*. Krems, Austria: 2008.
- Dirk Riehle. "Open Source Businesses and Developer Careers." Main stage presentation (invited talk) at the *Agile 2008* conference. Toronto, Canada: 2008.
- Dirk Riehle. "How to Benefit from Open Source." Talk at *Software Engineering Today 2008 (SET 2008)*. Zurich, Switzerland: 2008.
- Dirk Riehle. "Enduser Programming with Application Wikis." Moderator of panel at the *2008 International Symposium on Wikis (WikiSym 2008)*. ACM Press, 2008. Forthcoming.
- Dirk Riehle. "Global Open Source Trends and Public Initiatives." Moderator of panel at *SDForum's Global Open Source Conference*. San Francisco, CA: 2008.

Invited talks in 2007

- Dirk Riehle. "Open Source Research: Analytics, Economics, and Best Practices." *Stanford Computer Science Colloquium*. Stanford, CA: 2007.
- Dirk Riehle. "Economic Stakeholders of Open Source." *Departmental Seminar, Chinese University of Hong Kong*. Honkong, China: 2007.
- Dirk Riehle. "Economic Stakeholders of Open Source." *Colloquium of the Hasso-Plattner-Institute, University of Potsdam*. Potsdam, Germany: 2007.
- Dirk Riehle. "Open Source Research: Analytics, Economics, and Best Practices." *Laboratory of Software Technology, ETH Zurich*. Zurich, Switzerland: 2007.
- Dirk Riehle. "Open Source Research: Analytics, Economics, and Best Practices." *Institute for Applied Informatics, University of Karlsruhe (TH)*. Karlsruhe, Germany: 2007.
- Dirk Riehle. "Economic Stakeholders of Open Source." Closing keynote of the *Free Software Open Source Symposium*. Toronto, Canada: 2007.
- Dirk Riehle. "Wikis and Open Collaboration." Talk at *Software Engineering Today 2007 (SET 2007)*. Zurich, Switzerland: 2007.
- Dirk Riehle. "Bringing Wikipedia to Work: Open Collaboration within Corporations." Talk at *Wikimania 2007*. Taipei, Taiwan: 2007.
- Dirk Riehle. "Geld verdienen mit Open Source." Talk at *OOP 2007*. Munich, Germany: 2007.
- Dirk Riehle. "Economic Stakeholders of Open Source." Lecture at *Fraunhofer FIRST in Korea and KGIT*. Seoul, Korea: 2007.

Invited talks in 2006 to 2000

- Dirk Riehle. "Wiki Research." *Knowledge-Based Systems Group, University of Hannover*. Hannover, Germany: 2006.
- Dirk Riehle. "Wiki Research." *Institute of Information Systems, Humboldt University of Berlin*. Berlin, Germany: 2006.
- Dirk Riehle. "Wiki Research." Lecture at *Wissensmanagement-Gesellschaft Berlin*. Berlin, Germany: 2006.

- Dirk Riehle. "Erfahrungen mit Entwurfsmustern in der industriellen Praxis." *Computer Science Colloquium, Free University of Berlin*. Berlin, Germany: 2005.
- Dirk Riehle. "Wiki Research." *IBM Research Almaden*. San Jose, CA: 2005.
- Dirk Riehle. "Erfahrungen mit Entwurfsmustern in der industriellen Praxis." *Forum Berlin/Brandenburg*. Berlin, Germany: 2005.
- Dirk Riehle. "The Architecture of a UML Virtual Machine." *Software Systems Engineering Group, BTU Cottbus*. Cottbus, Germany: 2005.
- Dirk Riehle. "The Architecture of a UML Virtual Machine." *Sun Microsystems Research Laboratories*. Mountain View, CA: 2003.
- Dirk Riehle. "The Architecture of a UML Virtual Machine." *Software Engineering Group, Computer Science, University of Hamburg*. Hamburg, Germany: 2002.
- Dirk Riehle. "The Architecture of a UML Virtual Machine." *College of Computer Science, Northeastern University*. Boston, MA: 2002.
- Dirk Riehle. "The Architecture of a UML Virtual Machine." *Java Users Group Switzerland*. Zurich, Switzerland: 2003. Dirk Riehle. "The Architecture of a UML Virtual Machine." Lecture at the *Laboratory of Computer Science, MIT*. Boston, MA: 2002.
- Dirk Riehle. "The Architecture of a UML Virtual Machine." *Software Design Group, Laboratory of Computer Science, MIT*. Boston, MA: 2001.
- Dirk Riehle. "Framework Design: A Role Modeling Approach." *Software Design Group, Laboratory of Computer Science, MIT*. Boston, MA: 2001.

Invited talks before 2000

- Dirk Riehle. "Framework Design: A Role Modeling Approach." Lecture at the *IBM T.J. Watson Research Center*. Hawthorne, NY: 1999.
- Dirk Riehle. "How to Realize Software Engineering Concepts for Large-Scale Software Development." *Java Users Group Switzerland*. Zurich, Switzerland: 1999.
- Dirk Riehle. "Experiences and Reflections on Using Design Patterns in Software Development." Keynote on *Final Day of ARCUS project*. Munich, Germany: 1997.
- Dirk Riehle. "The Use of Frameworks and Design Patterns for the Development of Java-based Distributed Applications." Lecture at *ETH Zurich* industry course. Zurich, Switzerland: 1997.
- Dirk Riehle. "The Tools and Materials Metaphor Approach to Software System Development." Lecture at *ETH Zurich*. Zurich, Switzerland: 1996.

Panel Moderation and Participation

- Participant. "Open Source Governance." Panel at *JAX 2010*. Mainz, Germany: 2010.
- Participant. "Escaped from the Lab: Innovation Practices in Large Organizations." Panel at the *2008 Conference on Object Oriented Programming Systems, Languages, and Applications (OOPSLA '08)*. ACM Press, 2008. Page 787-790.
- Participant. "Successful Open Source, With Little or No Agile." Panel at the *Agile 2008* conference. IEEE Press, 2008.
- Participant. "Wiki Patterns: What Works and What Doesn't?" Panel at the *2007 International Symposium on Wikis (WikiSym 2007)*. ACM Press, 2007.
- Participant. "The Future of Wikis." Panel at *Wikimania 2007*. Taipei, Taiwan: 2007.

Interviews and Press Mentionings

- Redaktion. "Viele Wege führen zur IT Karriere." *Computerwoche* 7/11. Page 37-39,

- Redaktion. "Dortmunder Tag der Informatik." *Der Merkur*. June 29, 2010.
- Judith Weber. "Frei zugängliche Software wird immer beliebter." *Stuttgarter Zeitung*. March 5, 2010.
- Anika Kehrer. "CeBIT 2010: Karrierevorteil Open Source." *Linux Magazin*. March 2, 2010.
- Wilko Steinhagen. "Open Source Markt wächst rasant." *Financial Times Deutschland*. February 24, 2010.
- Vincent Wolff-Marting. "Freie Software und Open Source Software." *LPZ E-Business IT-Radar*. January 27, 2010.
- Lothar Hoja. "Prof. Dirk Riehle." *Nürnberger Nachrichten*. January 15, 2010.
- Nicolas Zeitler. "CIOs sollen Anbieter gemeinsam beauftragen." *CIO Online*. January 7, 2010.
- Markus Feilner. "Open Source Professor." *Linux Magazin*. January 7, 2010.
- Michael Dörfler. "Die Freiheit der anderen." *Markt und Mittelstand*. December, 2009.
- Dietmar Müller. "Der Open-Source-Professor stellt sich vor." *ZDNet.de*. November 27, 2009.
- Markus Feilner. "Dirk Riehle: Der erste deutsche Open-Source-Professor." *Linux Magazin*. November 27, 2009.
- Redaktion. "Universität Erlangen erforscht Open Source." *Der Standard*. November 27, 2009.
- Ilona Hörath. "Neuer Lehrstuhl hilft jungen Informatikern bei Firmengründung." *Handelsblatt*. November 11, 2009.
- Redaktion (rr). "Das Microblogging kann die Produktivität durchaus steigern." *Computerzeitung*. June 15, 2009.
- Victoria Trosien. "SAP.com: Dirk Riehle." *Tiburon-TV---Hungry for Business*. September 25, 2008.
- Redacção (HB). "Onde se procura informação na Internet?" *IOL Diário*, September 10, 2008.
- Markus Völter. "Episode 94: Open Source Business Models with Dirk Riehle." *Software Engineering Radio*. April 23, 2008.
- Rafael Ruffolo. "Is Open Source Bad for your Career?" *ComputerWorld Canada*. February 8, 2008.
- James Maguire. "Open Source Pros Pick Their Favorite Projects." *Datamation*. December 17, 2007.
- James Maguire. "Will Open Source Developers be Well Paid?" *Datamation*. July 5, 2007.

2.3 Managerial Academic Service

Steering Committees

- 2008-present – Founding member of the steering committee of the ACM-sponsored "Onward!" conference series
- 2005-present – Founder and chairman of the steering committee of the ACM-supported "International Symposium on Wikis and Open Collaboration" conference series
- 2001-2011 – Member of the board of The Hillside Group, Inc. (the U.S.-based non-profit organization behind the patterns community); treasurer 2002 - 2009; now Emeritus status
- 1998-2000 – Vice president of CHOOSE, the Swiss computer scientists society's SIG on object-oriented software engineering

Program Committee Chairs

- OOPSLA Onward! 2008 – Nashville, TN
- WikiSym 2005 – San Diego, CA
- 1999 CHOOSE Forum on Object-Oriented Software Architecture – Bern, Switzerland
- 1997 European Conference on Pattern Languages of Programming – Irsee, Germany

Editorial Boards

- 2009-present – Founding member of the editorial board and associate editor of the International Journal of Organizational Design and Engineering (IJODE), published by Inderscience
- 2008-present – Founding member of the editorial board and associate editor of the International Journal of Open Source Software and Processes (IJOSSP), published by IGI Global
- 2007-present – Founding member of the editorial board of the Transactions on Pattern Languages of Programming (TPLoP) journal of Springer Verlag, published in the LNCS series

Conference Committees

- Treasurer of WikiSym 2011 – Mountain View, CA, U.S.A.
- Treasurer of WikiSym 2010 – Gdansk, Poland
- Conference chair of WikiSym 2009 – Orlando, FL, U.S.A.
- Treasurer of WikiSym 2008 – Porto, Portugal
- Treasurer of OOPSLA 2007 – Montreal, Canada
- Treasurer of WikiSym 2007 – Montreal, Canada
- Conference chair of WikiSym 2006 – Odense, Denmark

Workshop Organization

- Wikimania 2007 Workshop on "Bringing Wikipedia to Work: Open Collaboration within Corporations"
- OOPSLA 2004 – "Design Patterns Revisited"
- Santa Fe Institute, 2002 – "Biological Framings of Problems in Computing" – Santa Fe, NM
- OOPSLA 1999 – "Metadata and Active Object Systems"
- OOPSLA 1998 – "Metadata and Active Object Systems"
- OOPSLA 1998 – "Emergent Distributed Systems"

Professorial Search Committees (Berufungskommissionen)

- Professor of Software Engineering, Georg-Simon-Ohm Hochschule Nürnberg, 2011

Ph.D. Committees (Chair or Reader)

- Neil Harrison, University of Groningen, The Netherlands, 2011 (Reader)
- Alexander Dreweke, Friedrich-Alexander University of Erlangen-Nürnberg, 2010 (Chair)
- Michael Wels, Friedrich-Alexander University of Erlangen-Nürnberg, 2010 (Chair)

Further Activities

- 2003-2004 – President of the Stanford German Student Association

2.4 Technical Academic Service

Journal Reviews

- 2011: ISM, IEEE Software
- 2010: ACM TOSEM, ASE, CAIS, IJODE, Informatik Spektrum
- 2009: ACM TOSEM, IEEE Software, TPLoP, IJOSSP, IST
- 2008: TPLoP, IJOSSP
- 2007: ACM TOSEM, IEEE Software, IEEE Computer, Software Quality, SoSyM
- Older: ACM TOSEM, IEEE TSE, CACM, IEEE Software, IEEE Computer, TAPOS, SPE, IEE, JSS

Conference Paper Reviews (Member of the Program Committee)

- 2011: OSS, ICSE (SEIP Track), AOSD (Modularity Track), HT (Track 3)
- 2010: OOPSLA, WikiSym, CHIMIT
- 2009: OOPSLA, Onward!, ACM SAC EIS Track, OSS
- 2008: OOPSLA, ACM SAC EIS Track
- 2007: WikiSym, Onward!
- Older: OOPSLA, PLoP, EuroPLoP

Technical Conference Paper Reviews (in support of the PC chair or a PC member)

- 2010: HICSS FLOSS track
- 2009: IPDPS, AMCIS, Wirtschaftsinformatik
- Older: EuroSys, Models, PPOPP, OOPSLA, PLoP, EuroPLoP, ECOOP

Workshop Reviews (Member of the Workshop Program Committee)

- FLOSS @ ICSE 2010 Workshop on Free, Libre, and Open Source Software
- 3rd International Workshop on Social Software Engineering – SSE 2010
- KNOWING @ ICGSE 2009 Workshop on Knowledge Engineering in Global Software Development
- Wikis4SE @ ICSE 2009 Workshop on Wikis for Software Engineering
- IWODE 2009 International Workshop on Organizational Design and Engineering
- Softeam 2009 Workshop on Collaboration and Knowledge Sharing in Software Development Teams
- TOOLS 2008 Workshop on Mining Web 2.0 Application Patterns
- ECOOP 2007 Workshop on Roles and Relationships in OOP, Multiagent Systems, and Ontologies
- Older: CAiSE VAR '06, STICA '06, ECOOP VAR '05, ECOOP 2005, UML 2004

Further Activities

- 1995-present – Professional member of the ACM, senior member since 2008
- 1993, 1995-present – Professional member of the IEEE (incl. Computer Society), GI, SI

2.5 Project Acquisition Experience

2011-03 – EXIST Startup Grant – Bundesministerium für Wirtschaft und Technologie	EUR 89.000
<ul style="list-style-type: none"> Startup funding for 2010 AMOS project “Mydosis” 	
2010-11 - Travel Grant - Bavaria California Technology Center (BaCaTeC)	EUR 5.000
<ul style="list-style-type: none"> Travel grant to California in support of establishing scientific collaborations 	
2010 - Travel Grant - University of Erlangen	EUR 1.000
<ul style="list-style-type: none"> Travel grant to Hong Kong to further scientific collaboration talks 	
2010-12 – Gift – Novell, Inc.	EUR 105.000
<ul style="list-style-type: none"> Gift (no strings attached) to finance half a Ph.D. student for three years 	
2010 – Gift – Red Hat, Inc.	EUR 35.000
<ul style="list-style-type: none"> Gift (no strings attached) to finance half a Ph.D. student for one year 	
2008 – Principal investigator – SAP Research, SAP Labs LLC	USD 120.000
<ul style="list-style-type: none"> With academic sponsorship (different budget owner): USD 300.000 	
2008 – Chair – ACM OOPSLA Onward! 2008 track	USD 40.000
<ul style="list-style-type: none"> Full ACM sponsorship as part of OOPSLA 2008 	
2008 – Treasurer – 2008 International Symposium on Wikis	USD 65.000
<ul style="list-style-type: none"> Received \$25,000 in sponsorship from various software firms 	
2007 – Principal investigator – SAP Research, SAP Labs LLC	USD 200.000
<ul style="list-style-type: none"> Budget for external consultants, interns, etc. 	
2007 – Treasurer – ACM OOPSLA 2007	USD 1.100.000
<ul style="list-style-type: none"> In support of conference chair, received full ACM SIGPLAN sponsorship 	
2007 – Treasurer – 2007 International Symposium on Wikis	USD 50.000
<ul style="list-style-type: none"> In support of conference chair, received full ACM SIGPLAN sponsorship Received \$10,000 industry sponsorship from SAP Labs LLC 	
2006 – Conference chair – 2006 International Symposium on Wikis	EUR 35.000
<ul style="list-style-type: none"> Received full ACM SIGWEB sponsorship 	
2005 – Program and conference chair – 2005 International Symposium on Wikis	USD 45.000
<ul style="list-style-type: none"> Received full ACM SIGPLAN sponsorship Received \$5000 industry sponsorship Google Inc. 	
2002-present – Treasurer– The Hillside Group, Inc	USD 50.000
<ul style="list-style-type: none"> Full fiscal responsibility for annual budget 	
1999 – Program and conference chair – 1999 CHOOSE Forum on Software Architecture	CHF 45.000
<ul style="list-style-type: none"> Received full SI/CHOOSE sponsorship 	
1997 – Program chair – EuroPLoP 1997	DEM 60.000
<ul style="list-style-type: none"> Received full The Hillside Group sponsorship 	
1996-1999 – Principal investigator– Ubilab, UBS AG	CHF 20.000-80.000
<ul style="list-style-type: none"> Annual budgets for interns, materials, etc. 	

3 TEACHING

3.1 Teaching Experience

Professorship¹

- 2011 (SS)
 - *Agile Methods and Open Source*, Lecture + Lab Course (2+2 SWS, 10 ECTS)
 - *Product Management*, Seminar (2 SWS, 5 ECTS, with other lecturer)
 - *The Firm*, Seminar (2 SWS, 5 ECTS, with others)
- 2010 (WS)
 - *Algorithms and Data Structures*, Lecture + Exercises (2+2 SWS, 10 ECTS)
 - *Nailing Your Thesis*, Lecture + Lab Course (2+4 SWS, 10 ECTS)
 - *Applied Software Engineering*, Lecture (4 SWS, 5 ECTS, with others)
- 2010 (SS)
 - *Agile Methods and Open Source*, Lecture + Lab Course (2+2 SWS, 10 ECTS)
 - *Nailing Your Thesis*, Seminar (2 SWS, 5 ECTS)
 - *The Firm*, Seminar (2 SWS, 5 ECTS, with others)
- 2009 (WS)
 - *Agile Methods and Open Source*, Lecture + Exercises (2+2 SWS, 5 ECTS)
 - *Applied Software Engineering*, Lecture (4 SWS, 5 ECTS, with others)

Lecturer Positions

- 1998 (WS): *Object-oriented Software Development*. Lecture (2 SWS, with Kai-Uwe Mätzel, Bruno Schäffer). University of Zurich, Switzerland
- 1997 (WS): *Object-oriented Software Development*. Lecture (2 SWS, with Kai-Uwe Mätzel, Bruno Schäffer). University of Zurich, Switzerland

Courses

- 1999: *Object-oriented Frameworks*. Class (1 week, with Hans Wegener). Zurich, Switzerland: UBS AG

Tutorials (3+ hours)

- 2002: *Framework Design and Implementation using Java and UML*, OOPSLA 2002, Seattle, U.S.A.
- 2000: *The Story of a Framework*, OOPSLA 2000, Minneapolis, U.S.A.
- 2000: *The Story of a Framework*, OOP 2000, Munich, Germany
- 1999: *Advanced Java Design and Programming*, Java for Enterprises Conference, Zurich, Switzerland

Doctoral Symposia

- Member of the OOPSLA 2002 Doctoral Symposium

¹ SWS = semester week hours; 1 SWS = 45min of classroom teaching per week in a 15-week semester.

Teaching and Research Assistantship

- 1991-94: Combined TA/RA position for the main software engineering lecture – University of Hamburg

3.2 Student and Intern Supervision

Ph.D. Student Supervision

- Current external Ph.D. students: Sascha Henry (since 2011), Jörg Beyersdorf (since 2011)
- Current internal Ph.D. students (staff): Michel A. Salim (FAU, since 2010), Carsten Kolassa (FAU, since 2010), Hannes Dohrn (FAU, since 2009)

Master Thesis Supervision (CS, WI, EE, CL, MT)²

- Current: Tang Jing (CS, Diplom, FAU), Christoph Wille (WI, Master, FAU)
- 2011: Martin Helmreich (CS, Diplom, FAU), Guido Leisker (CL, Diplom, FAU), Chang Ke (CS, Diplom, FAU)
- 2010: Markus Stipp (EE, Diplom, University of Stuttgart)
- Older: Frank Fröse (CS, Diplom, University of Hamburg), Bruno Essmann (CS, Diplom, ETH Zurich), Roger Bruderemann (CS, Diplom, ETH Zurich)

Bachelor Thesis Supervision (CS, WI, EE, CL, MT)

- Current: Thomas Rechenmacher (MT, Projektarbeit, FAU)
- 2011: Sebastian Berscheider (CS, Bachelor, FAU)
- 2010: Christoph Settgast (CS, Studienarbeit, FAU)
- Older: Frank Fröse (CS, Studienarbeit, University of Hamburg)

Intern Supervision

- 2008: Karl York Thomas (Hasso-Plattner-Institute), Philipp Hofmann (University of Karlsruhe), Mario Fernandez (TU Munich), Oliver Arafat (TU Munich)
- 2007: Craig Anslow (Victoria University of Wellington), Martin Junghans (BTU Cottbus), Amit Deshpande (University of Cincinnati), Mario Lopes (University of Porto), Eric He (University of Chicago)
- Older: Jan Brunnert (Hasso-Plattner-Institute), Pengcheng Wu (Northeastern University), Zsolt Haag (University of Glasgow), Om Damani (University of Texas), Patrizia Marsura (UIUC), Frank Fröse (University of Hamburg)

² CS = Computer Science, WI = Business Informatics (Wirtschaftsinformatik), EE = Electrical Engineering, CL = Computer Linguistics, MT = Mechatronics

4 SERVICE

4.1 General Service

University Service (Friedrich-Alexander University of Erlangen-Nürnberg)

- 2010-present - Member, M.S. student admission committee
- 2010-present - Member, Informatik-Studienkommission
- 2009-present - Member, Wirtschaftsinformatik-Studienkommission
- 2009 - Chair, GI dissertation prize nomination committee

Advisory Boards

- Member of the Beirat der Open Common - Region Linz – 2011-current
- Member of Experten-Beirat for the German parliament's Enquete-Commission "Internet and Digital Society" – 2010-current
- Member of the scientific advisory board of OpenSAGA project – 2010-current
- Technical advisor to board of startup New Wales Inc. – 1999 Zurich, Switzerland (David Broderick)

Industry Committees

- Member of the program committee – Open World Forum 2011, Paris, France
- Member of the program committee – Open World Forum 2010, Paris, France
- Member of the program committee – Jazoon 2009, Zurich, Switzerland
- Member of the program committee – Open World Forum 2008, Paris, France
- Member of the program committee – Jazoon 2008, Zurich, Switzerland
- Reviewer for book proposals to Addison-Wesley, Prentice-Hall, Wiley, etc.

5 CERTIFICATES

5.1 Certificates

On the following pages, please find copies of the following certificates:

- Dr. Sc. Tech. (ETH Zürich)
- M.B.A. (Stanford University)
- Dipl.-Inform. (University of Hamburg, 2 pages)

Original copies are available upon requests.

