

Curriculum Vitae

Personal

NAME Christine Müller
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NATIONALITY German

Work Experiences

FEB 07 — OCT 08 **Teaching assistant** to Prof. Michael Kohlhasse, Computer Science Department, Jacobs University Bremen, Germany
Focus: Organizing assignments, quizzes, exams, and tutorials for the General Computer Science lecture

APR 06 — SEPT 06 **Project management** for the Student Consulting Ilmenau, Ilmenau, Germany
Focus: Maintenance/ enlargement of the free and local job portal

NOV 05 — DEC 05,
APR 06 — SEPT 06 **Technical assistant** to Prof. Bankhofer
Department of Quantitative Methods, Ilmenau Technical University (TU Ilmenau), Germany
Focus: Development of the new portal of the department, teaching fundamental principles of statistics

SEPT 04 — AUG 05 **Research assistant** at SAP Research Palo Alto, California, USA
Focus: Sophisticated Explanation Performance of Intelligent Software Systems, published as diploma thesis

MAR 04 — AUG 04 **Web developer** at Fujitsu-Siemens in Bracknell, England
Focus: Intranet, internet, extranet; help desk; web development

APR 03 — JUNI 03 **Teamleader** for the StrategiegrouP in Economical Science
Focus: Development of long-term perspectives for the Department of Economics at the TU Ilmenau

OCT 02 — MAR 03,
APR 06 — SEPT 06 **Project manager** and member of PROBAS
Project Seminar for Business Software at TU Ilmenau
Focus: project management for the SAP module, learning about the logistic and business warehouse of SAP

JAN 02 — MAR 04 **Teaching and research assistant** to Prof. Karl Luhn and Dr. Jürgen Vogel
Department of Statistics and Operation Research, TU Ilmenau
Focus: Teaching fundamental principles of statistics, Research within the EuroStat-Project “Computational Aspects of Statistical Confidentiality”

MAI 01 — SEPT 01 **Temporary Employment** in the “Landhaus Ambiente”, Erfurt, Germany
Focus: Accounting, Sales & Product presentation, telephone calls with clients and suppliers

OKT 99 **Intern** at “Pell & Wollmeyer Haus und Hof GmbH”
Focus: Introduction in the activities of property management

Educational Background

- SINCE OCT 06 **Ph.D. student in Computer Science** at Jacobs University Bremen
Anticipated degree: Ph.D., Dec. 09
Topic: Adaptability of Mathematical and Technical Documents
Focus: Specification and implementation of adaptable documents, their representation and algorithms for modifying their content, structure, and presentation based on the user's context.
Supervisors: Prof. Michael Kohlhase (Jacobs Univ.), Prof. Adi Wilhelm (Jacobs Univ.), Prof. Cristian Calude (University of Auckland, New Zealand), Prof. Peter Murray Rust (University of Cambridge, UK)
- JUNE 09 – JULY 09 Visiting Researcher at the SEGAL group at University of Victoria, Canada.
- OCT 08 — MAY 09 **Visiting researcher** at the University of Auckland, New Zealand
Focus: Survey on mathematical practice, collaboration with Prof. Cristian Calude on the understanding of formal mathematical proofs.
- OCT 03 — SEPT 06 **Student of Computer Science and Economics** (or Information Management) at the TU Ilmenau
Degree: Diploma (equivalent to a Master), grade 1.2¹
Majors: Information and Knowledge Management; Forecasting and Data Mining; European Law, Industrial Management
Thesis: Generation of Context-Sensitive Support in Proactive User Interfaces, grade 1.1
Additional qualification: Europa-Studium (European Study)
- AUG 97 — JUN 01 **High school student** at the Johann-Gutenberg Gymnasium, Germany
Degree: university entry level, grade 1.1
Majors: Mathematics, English, German, Economics
- AUG 98 — AUG 99 **Exchange student** at the North Montgomery High School, Crawfordsville, Indiana, USA
- AUG 88 — JUN 97 **High school/ elementary student**, POS 5, Grundschule am Schwemmbach, Heinrich-Mann Gymnasium, Erfurt, Germany

Awards

- NOV 09 — JAN 09 Ph.D. scholarship by the Jacobs University Bremen, Germany
- APR 09 Best paper award at the United Information System Conference 2009, University of Western Sydney, Australia
- SEPT 08 Best paper award at the 1st World Summit of the Knowledge Society, Greece
- JUNE 07 — OCT 09 Ph.D. scholarship by the Studienstiftung des Deutschen Volkes
- OCT 06 — MAY 07 Ph.D. scholarship by the Jacobs University Bremen, Germany
- MAR — AUG 04 Leonardo Scholarship (EU funding)
- MAR 04 Award by Bain & Company for excellent achievements in the pre-diploma exam

¹The German grading system is based on a scale of 1 to 5, with 1 being the highest and 5 denoting "fail".

Memberships

SINCE JULY 09	Treasurer of the OPENMATH Society
SINCE JUNE 07	Member of the Interest Group on Mathematical Knowledge Management and the OPENMATH society
SINCE MAY 07	Projectleader of the <i>panta rhei</i> project https://trac.kwarc.info/panta-rhei
OCT 08 — MAY 09	Member of the Theory Group at University of Auckland, New Zealand http://www.cs.auckland.ac.nz/research/groups/theory
SEPT 07 — JUNE 09	Coordinator of the Special Interest Group: Scientific Communities of Practice (Scoop) http://jem-thematic.net/sig/scoop
OCT 06 — JULI 09	Member of the Joining Educational Mathematics Network (http://www.jem-thematic.net) and Work Package Coordinator for “Implementing Author Support & the Author’s Wiki”

Further Skills

LANGUAGE SKILLS	German first language, English fluent, French basic knowledge, Spanish/ Russian very basic knowledge
OPERATING SYSTEMS	Linux/Unix, Windows basic knowledge
PROGRAMMING LANGUAGES	Java, XML, various Skriptlanguages (bash, PHP, Javascript), SQL, Semantic-Web-Technologies (RDF, SPARGL, OWL), functional and logical programming languages (Lisp, Prolog), Delphi, ABAP
IDE/ FRAMEWORKS	CodeIgniter, Jersey, Hibernate, eclipse
LICENSES	Drivers license “Klasse B”, Sportbootführerschein See, Sportküstenschifferschein, Funkbetriebszeugnis (Short Range Certificate)
HOBBYS	Running, classical singing, guitare, sailing

Bremen, 9.11.2009

Publications

Articles and conference papers

- Christine Müller and Michael Kohlhase. Context Aware Adaptation: A Case Study on Mathematical Notations. *Information Systems Management*, 26(3):215–230, 2009.
- Cristian Calude and Christine Müller. Formal Proofs: Reconciling Correctness and Understanding. In Jacques Carette, Lucas Dixon, Claudio Sacerdoti Coen, and Stephen M. Watt, editors, *Conference on Intelligent Computer Mathematics*, LNAI 5625, pages 217–232. Springer, 2009.
- Christine Müller. Communities of Practice & Semantic Web: Stimulating Collaboration by Document Markup. In Jianhua Yang, Athula Ginige, Heinrich C. Mayr, and Ralf-D. Kutsche, editors, *Information Systems: Modeling, Development, and Integration: Third International United Information Systems Conference*, LNBIP 20, pages 432–437. Springer, 2009.
- Christine Müller and Michael Kohlhase. Towards a community of practice toolkit based on semantically marked up artifacts. In M.D. Lytras, John M. Carroll, Ernesto Damiani, and Robert D. Tennysonet, editors, *Proceedings of the 1st World Summit of the Knowledge Society: Emerging Technologies and Information Systems for the Knowledge Society*, LNAI 5288, pages 41–50, Berlin/ Heidelberg, Germany, 2008. Springer.
- Michael Kohlhase, Christine Müller, and Florian Rabe. Notations for living mathematical documents. In Serge Autexier, John Campbell, J. Rubio, Volker Sorge, Masakazu Suzuki, and Freek Wiedijk, editors, *Proceedings of the Conference on Intelligent Computer Mathematics*, LNAI 5144, pages 504–519. Springer, 2008.

Workshop papers and technical reports

- Christine Müller and Michael Kohlhase. Semantic technologies for mathematical elearning. to appear at Final JEM Workshop 2009.
- Christine Müller. Towards CoPing with Information Overload. In Joachim Baumeister and Martin Atzmüller, editors, *LWA Conference Proceedings (FGWM)*, pages 33–40, Würzburg, Germany, 2008. Universität Würzburg.
- Christine Müller. Towards the Adaptation of Scientific Course Material powered by Community of Practice. In Joachim Baumeister and Martin Atzmüller, editors, *LWA Conference Proceedings (ABIS)*, pages 41–43, Würzburg, Germany, 2008. Universität Würzburg.
- Christine Müller and Michael Kohlhase. Communities of practice in mathematical elearning. In *Proceedings of the Workshop in Mathematical and Scientific eContent*, pages 34–35, 2008.
- Michael Kohlhase, Achim Mahnke, and Christine Müller. Managing Variants in Document Content and Narrative Structures. In Alexander Hinneburg, editor, *LWA Conference Proceedings*, pages 324–229, Halle/Saale, Germany, 2007. Martin-Luther-University Halle-Wittenberg.
- Marc Wagner and Christine Müller. Towards Community of Practice Support for Interactive Mathematical Authoring. In Christine Müller, editor, *Online Proceedings of the 1st Workshop on Scientific Communities Of Practice*, 2007.
- Christine Müller and Michael Kohlhase. *panta rhei*. In Alexander Hinneburg, editor, *LWA Conference Proceedings*, pages 318–323, Halle/ Saale, Germany, 2007. Martin-Luther-University Halle-Wittenberg.
- Michael Kohlhase, Christine Müller, and Normen Müller. Documents with flexible notation contexts as interfaces to mathematical knowledge. In Paul Libbrecht, editor, *Mathematical User Interfaces Workshop*, 2007.
- Christine Müller. A Survey on Mathematical Notations. KWARC Report 2008-1, Jacobs University Bremen, 2008.