

1 Short Curriculum Vitae (2-Page Resume)

Personal information

Family name, First name: Benzmüller, Christoph Ewald
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Date of birth: 8 September 1968
Nationality: German

Education

07/1999–07/2007 Habil., Dep. of Computer Science, Saarland University, Saarbrücken, DE
04/1995–07/1999 Dr.-Ing., Dep. of Computer Science, Saarland University, DE
10/1989–04/1995 Dipl.-Inform. Dep. of Computer Science, Saarland University, DE

Current and upcoming positions

07/2018–06/2019 Visiting Professor, Mathematics and Computer Science, FU Berlin, DE
03/2017–06/2018 Visiting Scholar and Scientific Collaborator, FSTC, University of Luxembourg, LU
01/2012–06/2018 Privatdozent in Mathematics and Computer Science, FU Berlin, DE
08/2007– Privatdozent in Computer Science, Saarland University, DE

Previous positions (selection)

2015–2016 Visiting Scholar, CSLI/Cordula Hall, Stanford University, CA, US
2008–2011 Senior Researcher, DFG research grant ArticulateSoftware, Angwin, CA, US
2008–2009 Full Professor for Formal Methods and AI, Intl. University in Germany, Bruchsal, DE
2006–2007 Senior Research Fellow, Computer Science, University of Cambridge, GB
2004–2008 Associate Prof. (C2), Dep. of Computer Science, Saarland University, DE
2001–2004 Senior Researcher (C1), Dep. of Computer Science, Saarland University, DE
2000–2001 PostDoc, The Universities of Birmingham and Edinburgh, GB

Fellowships, awards and honors (selection)

2012–2017 Heisenberg Fellowship, German National Research Foundation (DFG)
2015/2016 Central teaching award of FU Berlin for lecture on Computational Metaphysics
2014 Nominated for *Amalia Preis für Neues Denken*, Weimar
2012– Member of the Berlin Mathematical School
2010 World champion in higher-order automated theorem proving with LEO-II prover
1996–1998 Ph.D. scholarship of the Studienstiftung des Deutschen Volkes

Supervision of graduate students

2012–2017 6 PhD (ongoing) + 12 (committee member) / 7 Master Students / 10 Bachelor, FU Berlin, including
A. Steen (22 publications): Ordered Paramodulation Calculus for HOL
M. Wisniewski (17 publications): Agent-based Reasoning Architecture
2001–2008 3 PhD / 9 Diploma / 1 Master Students / 5 Bachelor, Saarland University
Note: external reviewer/tutor of 15 further PhDs in CS and philosophy at 7 universities

Teaching activities (selection)

2018 Lecture Course: Universal Logical Reasoning, FU Berlin, DE (Winter, forthcoming)
2016 Lecture Course: Computational Metaphysics, FU Berlin, DE
2014–17 Lecture Course: Artificial Intelligence, FU Berlin (1999–2001: Saarland University), DE
2014 Lecture Course: Expressive Logics, FU Berlin, DE
2006 Lecture Course: Semantics of Higher-Order Logic, ITU Copenhagen, DK
2006 Lecture Course: Automated Theorem Proving in HO Logic, TU Darmstadt, DE
2004 Lecture Course: Mathematical Assistance Systems, Saarland University, DE

Organisation of scientific events (selection) / Experience as publisher

2018 Co-Organiser, Luxembourg Logic for AI Summit, Luxembourg
2018 Programme co-chair, Intl. Joint Conference on Rules and Reasoning, Luxembourg
2016, 2017 Programme co-chair, Global Conference on Artificial Intelligence, Miami
2015 Conference chair, Conference on Automated Deduction, Berlin
2014, 2016, 2018 Co-organizer/-chair, WS on Autom. Reasoning in Quantified Non-Classical Logics

Commissions of trust (selection)

2013, 2017	Reviewer, Deutsche Forschungsgemeinschaft, DE
2013, 2017	Reviewer, Austrian Science Fund, AT
2016, 2017	Reviewer, Johannes Kepler Universität, Linz, AT
2016	Reviewer, Cambridge University, GB
2016	Reviewer, King's College, London, GB
2013	Reviewer, Czech Science Foundation, CZ
2008, 2013	Reviewer, Nat. Sciences and Engineering Research Council of Canada (NSERC), CA
2009	Reviewer, Recherche en sciences & technologies de l'information (DIGITEO), FR
2008–	Editorial board, Logic Journal of the IGPL, UK
2008–	Editorial board, Journal of Applied Logic, UK

Memberships of scientific societies (selection)

2015–	Conference on Automated Deduction, vice-president
2015–	Association of Automated Reasoning, board member
2014–	Spokesman of the section Deduction Systems of the Gesellschaft für Informatik, DE
2014–2016	Berlin Mathematical School, mentoring, gender and diversity committee
2008–2011	Conference on Automated Deduction, elected trustee
2010–	The International Federation for Computational Logic, executive board
2006–	User Interfaces for Theorem Provers, permanent steering committee member

Record of third-party funded projects (selection)

- CRAP (Volkswagen Stiftung, €120.000, 2018–2019): Consistent Rational Argumentation in Politics, PI
- AI Technology in Energy Production Networks (Innovationsregion Lausitz (iRL) GmbH, Cottbus, approx. 50.000€, 2018), co-PI/Scientific Advisor
- Leo-III (DFG, BE 2501/11, €276,218, 2014–2018): Effective HO Automated Theorem Proving, PI
- CompMeta (FU Berlin central teaching award, €10.000, 2016): Lecture course on Computational Metaphysics, PI
- CADE-25 (DFG, BE 2501/12, €21.600, 2015): Conference Support Grant for CADE-25 in 2015 in Berlin, PI
- Heisenberg fellowship (DFG, BE 2501/9, ~€310.000, 2012–2017): Studies in Computational Metaphysics, PI
- ONTOLEO (DFG, BE 2501/6, ~€102.000, 2009–2011): Cooperative HO ATP for Ontology Reasoning, PI
- THFTPTP (EU FP7-PEOPLE, 219982, ~€130,000, 2008–2009): Intl. Infrastr. for the Automation of HO Logic, PI
- OMEGA (DFG SFB378, MI-04, ~€900,000, 2001-2008): Agent-oriented Proof Planing, Co-PI
- DIALOG (DFG SFB378, MI-03, ~€900,000, 2001-2008): NL-based Interact. with Maths Assistance System, Co-PI
- LEO-II (EPSRC—EP/D070511/1, 2006–2007): LEO II: An Effective Higher-Order Theorem Prover, PostDoc
- CALCULEMUS (EU FP5—HPRN-CT-2000-00102, 2000–2004): Research Training Network, Co-Coordinator

Collaborations (small selection)

Universal Reasoning/Computational Metaphysics: • Dr. Bruno Woltzenlogel-P., ANU Canberra, AU • Edward Zalta, PhD, Stanford U., CA, US **Applications in the Foundations of Mathematics:** • Prof. Peter Andrews, CMU, US • Prof. Dana Scott, U. of Berkeley, CA, US • Prof. Wilfried Sieg, CMU, US **Normative Reasoning and Big Data:** • Prof. Leon van der Torre, Dr. Xavier Parent, Prof. Martin Theobald, U Luxembourg, LU **Automated and Interactive Theorem Proving:** • Prof. Geoff Sutcliffe, U Miami, US • Prof. Jasmin Blanchette, Vrije U Amsterdam, NL • Prof. Stephan Schulz, DHBW Stuttgart, DE • Prof. Larry Paulson, U Cambridge, UK • Dr. Jens Otten, U Oslo, NO • Chad Brown, PhD, Czech TU in Prague, CZ **Robotics and Machine Learning:** • Prof. Raul Rojas, Prof. Daniel Göhring, Prof. Tim Landgraf, FU Berlin **AI Ontologies:** • Adam Pease, PhD, USA **Education Tools:** • Dr. Carsten Ullrich, Prof. Christoph Igel, DFKI Berlin, DE

Career breaks

2009–2010	12 months parental leave after birth of my son
2011–2012	3 months parental leave after birth of my twin daughters
2011	2 months care service for my mother before her death