1 Short Curriculum Vitae (2-page resume)

Personal Information

Family name, First name: Benzmüller, Christoph Ewald   **ORCID ID:** 0000-0002-3392-3093
Title(s): Prof. Dr. habil.   **Nationality:** German

Education

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

Current and Previous Positions

since 07/2018	Professor, Artificial Intelligence (AI), Freie Universität (FU) Berlin, DE
since 03/2017	Visiting Scholar and Scientific Collaborator in AI, FSTC, University of Luxembourg, LU
2015–2016	Visiting Scholar, CSLI/Cordula Hall, Philosophy, Stanford University, CA, US
2012–2017	Heisenberg Fellow of the Deutsche Forschungsgemeinschaft (DFG), FU Berlin, DE
since 02/2012	Privatdozent, Computer Science and Mathematics, FU Berlin, DE
2008–2011	Senior Researcher, DFG research grant, Articulate Software, Angwin, CA, US
2008–2009	Full Professor (tenured) for Formal Methods and AI, Intl. University in Germany, Bruchsal, DE
2006–2007	Senior Research Fellow, Dep. of Computer Science, University of Cambridge, GB
since 08/2007	Privatdozent, Venia Legendi in Computer Science, Saarland University, DE
2001–2008	Associate Professor (C2/C1), Dep. of Computer Science, Saarland University, DE
2000–2001	PostDoc, AI and Computer Science, The Universities of Birmingham and Edinburgh, GB
1995–1999	Researcher, Dep. of Computer Science, Saarland University, DE

Awards and Honors (selection)

2019	Appointed as National Contact Point in Germany of CLAIRE AI Network `https://claire-ai.org`
2018	John-Jules Meyer Best Paper Award at DEON 2018 conference
2018	DFG mentor for 30th European Union Contest for Young Scientists (EUCYS) in Dublin
2012–2017	Heisenberg Fellowship, German National Research Foundation (DFG)
2015/2016	Central teaching award of FU Berlin for lecture on Computational Metaphysics
2014	Shortlist for *Amalia Preis für Neues Denken*, Weimar
1996–1998	PhD scholarship of the Studienstiftung des Deutschen Volkes

Teaching and Supervision (selection)

Lecture courses: Artificial Intelligence, Universal Logical Reasoning, Computational Metaphysics, Expressive Logics, Automated Theorem Proving, Semantics, Mathematical Assistance Systems, Question Answering Systems; **Seminars:** Normative Reasoning & Machine Ethics, Gödel's Philosophical Views, Intelligent Learning and Tutoring Systems; **Supervision:** Served as supervisor, co-supervisor, committee member or mentor of ≥ 25 PhD projects, ≥ 23 MSc/Diploma projects and ≥ 17 BSc projects in Computer Science, Mathematics and Philosophy. A recent highlight is the PhD thesis of Dr. Alexander Steen (≥ 25 publications, summa cum laude, awarded with a GI-Junior-Fellowship).

Organisation of Scientific Events and Experience as Publisher (small selection)

Conference on Intelligent Computer Mathematics (CICM 2020, co-chair), German Conference on Artificial Intelligence (KI 2019, co-chair), LuxLogAI conference with public debate on AI & Ethics at KPMG (2018, Luxembourg, co-organiser), Intl. Joint Conference on Rules and Reasoning (RuleML+RR 2018, co-chair), Global Conference on Artificial Intelligence (GCAI 2016, 2017, co-chair), Conference on Automated Deduction (CADE 2015, organiser), Automated Reasoning in Quantified Non-Classical Logics (ARQNL 2014, 2016, 2018, 2010, co-chair/co-organiser)

Commissions of Trust (small selection)

Jury: Kurt Gödel Preis 2019, Kurt Gödel Freundeskreis, Berlin
Reviewer: DFG (DE), Austrian Science Fund (AT), Johannes Kepler Universität Linz (AT), Cambridge University (GB), King's College (GB), Czech Science Foundation (CZ), Nat. Sciences and Engineering Research Council of Canada (CA), Recherche en sciences & technologies de l'information (FR)
Editorial board: Logic J. of the IGPL, J. of Applied Logics—IfCoLog J. of Logics and their Applications

Memberships of Scientific Societies (selection)

2019–ongoing Conference on Intelligent Computer Mathematics (CICM), steering committee
2018–ongoing Confederation of Laboratories for AI Research in Europe (CLAIRE), key supporter
2018–ongoing Society of Deontic Logic and Normative Systems (DEON), steering committee
2018–ongoing Berlin Mathematical School (BMS+)
2008–2011, **2015–ongoing** Conference on Automated Deduction (CADE), elected trustee, vice-president
2015–ongoing Association of Automated Reasoning (AAR), board member representing CADE
2014–2018 Spokesman of the section Deduction Systems of the Gesellschaft für Informatik, DE
2014–2016 Berlin Mathematical School (BMS), mentoring, gender and diversity committee
2010–ongoing The International Federation for Computational Logic (IfCoLoG), executive board
2006–ongoing 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
- Verifiable Smart Contract Language, BILLON SP. Z O.O., Warsaw (2018), PI
- Trustful AI in Energy Production (Innovationsregion Lausitz GmbH, Cottbus, approx. 50.000€, 2018), co-PI
- 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 Systems, 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

International Network of Collaborators (small selection, past and present)

Universal Logical Reasoning and Computational Metaphysics: • Edward Zalta, Stanford U, US • Walter Carnielli, U Campinas, BR • Bruno Woltzenlogel-Paleo, ANU Canberra, AU **Normative Reasoning and Ethical Intelligent Systems:** • Leon van der Torre, Xavier Parent, Martin Theobald, U Luxembourg, LU • Toby Walsh, UNSW Sydney, AU • Beishui Liao, Zhejiang U, CH **History and AI:** • Jessica Gienow-Hecht, JFK-Institut, FU Berlin, DE **Automated and Interactive Theorem Proving:** • Geoff Sutcliffe, U Miami, US • Stephan Schulz, DHBW Stuttgart, DE • Larry Paulson, U Cambridge, GB • Jens Otten, U Oslo, NO • Alexander Leitsch, TU Wien, AUT • Jasmin Blanchette, Vrije U Amsterdam, NL • Chad Brown, Czech TU in Prague, CZ • Frank Pfenning, CMU, US **Robotics and Machine Learning:** • Raul Rojas, Daniel Göhring, Tim Landgraf, FU Berlin **AI Ontologies:** • Adam Pease, InfoSys, US **Foundations of Maths:** • Peter Andrews, CMU, US • Dana Scott, U Berkeley, CA, US

Publications & Keynotes in AI, Computer Science, Philosophy, Mathematics (highlights)

AI: J. of Automated Reasoning, IJCAI, ECAI, IJCAR, CADE, LPAR, AI Magazine; *Keynotes:* AI in Automotive, Humans vs. Non-Humans (Goethe Institut São Paulo), KI: Made in Germany (DLR), Panel Discussion on AI (Nature Research), Laws in LAWS (Future of Life Institute), Bundeszentrale für politische Bildung, TABLEAUX conference
Computer Science: J. of Web Semantics, Science of Computer Programming, Logical Methods in Computer Science, J. of Universal Computer Science, J. of Applied Logic, Formal Aspects of Computing Science, Intl. J. of Computing Anticipatory Systems; *Keynotes:* OEB Plenary Debate, Brazilian Symp. on Formal Methods, Computability in Europe, URANIA Public Event Berlin, SMT WS, Shared Services and Outsourcing Woche, WS on Algebr. Developm. Techniques
Philosophy: Stanford Encyclop. of Philosophy, Handbook of the History of Logic, Open Philosophy, Review of Symbolic Logic, J. Philosophical Logic, Synthese, Logic J. of the IGPL, J. Bhaktivedanta Institute, Logica Universalis, Logic and Logical Philosophy; *Keynotes:* DEON conference, All India Students' Conf. on Science and Spiritual Quest, World Congress on Logic & Religion, Formal Methods & Science in Philosophy, Colloq. for Philosophy & History of Formal Sciences
Mathematics: J. of Symbolic Logic, Ann. of Mathematics and Artificial Intelligence, Teaching Mathematics and Computer Science; *Keynotes:* Berliner Mathematische Gesellschaft, Colloquium of the Berlin Mathematical School

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 + 2 months care service for terminally ill mother