

Short CV

PD Dr. habil. Florian Rabe

University Erlangen-Nuremberg, Amazon Web Services

Name	PD Dr. habil. Florian Rabe, born in Wolfsburg, 28.09.1979, ORCID 0000-0003-3040-3655
School	1986 – 1999, Wolfsburg, <i>best possible GPA</i>
MSc	Computer Science, 2000 – 2004, University of Karlsruhe, <i>best possible GPA, with distinction</i>
PhD	Title: A Dynamic Logic with Temporal Operators for Promela Computer Science, 2005 – 2008, Jacobs University Bremen, with Prof. Kohlhase, <i>with distinction</i>
Habilitation	Title: Representing Logics and Logic Translations Computer Science, June 2014, Jacobs University Bremen, with Prof. Kohlhase
Employment	Title: A Scalable Logical Framework 2008–2017: post-doctoral research fellow, Jacobs University Bremen 2017 spring: substitute professor, Jacobs University Bremen 2018–2019: post-doc at Universities of Erlangen-Nuremberg and Paris-Sud 2019–: Oberrat at University Erlangen-Nuremberg (100%) 2021–: Amazon Visiting Academic (20%)
Awards and Scholarships	
2005	Award of Karlsruhe Research Center Computer Science for best MSc. thesis
2006	DAAD PhD scholarship (1 year)
2006	Winner Modal Logic \$100 Challenge
2007–2008	PhD scholarship German Merit Foundation (1.5 years)
2010	Conference on Mathematical Knowledge Management, best paper
2015	World Congress on Universal Logic, contest winner “The Future of Logic”
2019	Conference on Intelligent Computer Mathematics, best paper
2021	Conference on Intelligent Computer Mathematics, best system paper
Research interests: UniFormal Knowledge Representation	
theory	formal systems, semantics, translations, meta-theory
practice	language frameworks, system integration, library management, user interfaces
aspects	ontologies, logics, programming languages, databases
application domains	CS, mathematics, STEM
Major software projects	
MMT system	language definition framework, > 100kloc
LATIN atlas	library of logic definitions, > 1000 MMT modules
OAF archive	≈ 10 proof assistant libraries, > 2M MMT declarations

Major invited research visits

2006 (1 year)	Carnegie Mellon University, Pittsburgh, USA, with Prof. Frank Pfenning (DAAD scholarship)
Jan 2009	IT University Copenhagen, Denmark, with Prof. Carsten Schürmann
June 2010	IT University Copenhagen, Denmark, with Prof. Carsten Schürmann
Jan 2011	McMaster University, Hamilton, Ontario, Canada, with Prof. William Farmer, Prof. Jacques Carette
June 2013	University of Zurich, Switzerland, with Prof. Paul-Olivier Dehaye
Feb 2014	University of Innsbruck, Austria, with Dr. Cezary Kaliszyk
Sep 2014	Chalmers University of Technology, Gothenburg, Sweden, with Dr. Cezar Ionescu
Mar+April 2015	SRI International, Menlo Park, California, US, with Dr. Natarajan Shankar, and Kestrel Institute, Palo Alto, California, US, with Dr. Cordell Green
Jan. 2016	University of Innsbruck, Austria, with Dr. Cezary Kaliszyk
Sep 2016	ENSIIE, Paris, France, with Prof. Catherine Dubois
Nov 2017	WIAS, Berlin, Germany, with Dr. Thomas Koprucci
Dec 2017	LRI, Paris, France, with Prof. Nicolas Thiéry
Aug 2018	McMaster University, Hamilton, Ontario, Canada, with Prof. William Farmer, Prof. Jacques Carette
May 2019	ICMS Edinburgh, Workshop on Big Proof
Feb 2020	Hausdorff Center for Mathematics Bonn, Workshop on Mathematical Language and Practical Type Theory
Nov 2023	Dagstuhl Seminar on Next Generation Deduction Systems

Academic Self-Governance

2008 – 2010	Member Staff Council (Jacobs University)
2010 – 2012	Member provost search committee (Jacobs University)
2011 – 2012	Member constitution committee (Jacobs University)
2010 – 2013	Member board of trustees MKM interest group
2012 – 2015	Member steering committee CICM conference
2015 –	Member (2015–2017: observer) IFIP WG 2.1
2016 –	Secretary OpenMath Society executive committee
2017 – 2019	Member steering committee of CICM conference
2017 – 2022	Member (2018–2022: chair) steering committee of LFMTTP workshop
2019 – 2024	Member of advisory board EU project TiPES
2020	Member of professor hiring committee (FAU)

Teaching

undergraduate	4 courses, 11 seminars and labs
graduate	12 courses, 26 seminars and labs

Advising of students 21 BSc, 14 MSc theses (some ongoing)
member in 2 PhD. thesis committees

Organization of meetings

8 conferences, 17 workshops

Program committee member

19 conferences (1 as general chair, 3 as track chair)
30 workshops (10 chair)

Third party funding

2009–2012	Logic Atlas and Integrator (LATIN, DFG), de-facto PI, 2 positions
2014–2020	An Open Archive of Formalizations (OAF) (DFG), PI, 2 positions
2015–2019	OpenDreamKit: Virtual Mathematical Research Environments (EU), PI

Editorships 4 LNCS, 8 other collections

Publications

Counts	21 in journals, 65 in formally reviewed proceedings, 36 other
Google Scholar	1766 citations, h-index 23, i10-index 54
Scopus	699 citations, h-index 15

Invited talks 15 in research seminars, 9 at scientific meetings