

Curriculum Vitae Karin Quaas

Address:

Universität Leipzig
Fakultät für Mathematik und Informatik
Abteilung Automaten und Sprachen
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Education

11/2019	Defense of Habilitation thesis, University of Leipzig
10/2006 - 03/2010	PhD at Institute for Computer Science, University of Leipzig (summa cum laude)
08/2005 - 10/2006	International Master Programme <i>Computer Science</i> , University of Uppsala, Sweden
10/2002 - 08/2005	Studies <i>Computer Science, Logic and Philosophy of Science</i> , University of Leipzig
10/1998 - 10/2002	Studies <i>Media Technology</i> , HTWK Leipzig

Work Experience

04/2019 - now	Head of the DFG project <i>Temporal Logics with Constraints</i>
10/2018 - 03/2019	Deputy Professor at the Department of Computing Science, University of Oldenburg
10/2012 - now	Associated Member of the DFG RTG <i>Quantitative Logics and Automata</i>
04/2011 - 2018	Head of the DFG project <i>Verification of weighted timed automata</i>
03/2010 - now	Postdoc in the department <i>Automata and Languages</i> , University of Leipzig
09/2002 - 08/2005	Scientific assistant at the Institute for Medical Informatics, Statistics and Epidemiology, University of Leipzig

Scholarships

10/2008 - 02/2010	"Landesstipendium" of the University of Leipzig
10/2006 - 09/2008	DFG RTG <i>Knowledge Representation</i>

Funding/Grants

04/2019 - 03/2022	DFG "Eigene Stelle", head of the project <i>Temporal Logics with Constraints</i> (QU 316/1-4)
10/2015 - 09/2018	DFG "Eigene Stelle", head of the project <i>Verification of weighted timed automata</i> (QU 316/1-2)
04/2011 - 03/2014	DFG "Eigene Stelle", head of the project <i>Verification of weighted timed automata</i> (QU 316/1-1)

Stays Abroad

University of Warsaw, Poland; LSV, Paris Saclay, France; University of Szeged, Hungary; Université Paris Diderot, France; University of Oxford, UK; Irisa/INRIA, Rennes, France; Université Libre de Bruxelles, Belgium; Uppsala University, Sweden

Teaching

- Lectures: Theoretical Computer Science, Verification, Real-Timed Automata
Seminars: Compilers, Real-Timed logics, Automata over Sets of Atoms,
Selected topics in Automata Theory
Exercises: Logic, Automata and Languages, Computational Complexity Theory, Automata
Theory, Introduction in Classical Logic, Knowledge-based systems

Bachelor- and Mastertheses

- Mastertheses Danny Richter “Bounded MTL Model Checking for Counter Automata”, 2017
 Anke Bremer “A Qualitative Approach to Weighted Model Checking”, 2014
Bachelortheses Nicole Scheeren “Theoretische Probleme im Compilerbau”, 2015
 Nils Kossack “Das Sprachinklusionsproblem für Zeitautomaten”, 2009

Program committee

- Highlights of Logic, Games and Automata, 2020
- Computability in Europe (CiE), 2020
- Found. of Software Technology and Theoretical Computer Science (FSTTCS) (Track B), 2019
- Logic in Computer Science (LICS), 2019
- Developments in Language Theory (DLT), 2019
- Formal Modelling and Analysis of Timed Systems (FORMATS), 2019
- Int. Workshop on Methods and Tools for Distributed Hybrid Systems (DHS), 2017
- CONCUR young researchers workshop (YR-CONCUR), 2017
- Formal Modelling and Analysis of Timed Systems (FORMATS), 2016 and 2017
- Synthesis of Complex Parameters (SynCoP), 2016
- Frontiers of Formal Methods (FFM), 2015
- Workshop on Quantities in Formal Methods (QFM), 2012 and 2014

Reviews

- Journals Journal of Theoretical Computer Science, Journal of Computer and System,
Journal of the ACM, Information Sciences, ACM Transactions on Comp. Logic,
Soft Computing, Acta Informatica, IEEE Transactions on Software Engineering,
Logical Methods in Computer Science, Fundamenta Informaticae, Annals
of Mathematics and Artificial Intelligence, LATA 2014 Special Issue
- Conferences STACS 2020, CONCUR 2019, FOSSACS 2019, LATA 2019, LPAR 2018,
FSTTCS 2018, ICTAC 2018, CSL 2018, ICALP 2018, FOSSACS 2017,
STACS 2016, DLT 2015, FFM 2015, FORMATS 2015, LATA 2015, LICS 2015,
TACAS 2015, Concur 2014, CSR 2014, DLT 2014, IJCAR 2014, MFCS 2014,
QFM 2014 CSL 2013, FCT 2013, ICALP 2013, LICS 2013, STACS 2013

Assistance in the Organisation of Conferences and Workshops

- Jewels of Automata: from Mathematics to Applications (AutoMathA), Leipzig 2015.
- Weighted Automata: Theory and Applications (WATA), Leipzig 2010 and 2014.
- 17. Jahrestagung der GI-Fachgruppe *Logik in der Informatik*, Leipzig, 2010.
- 7. Theorettag *Automaten und Formale Sprachen*, Leipzig 2007.

Academic self-government

Member of the appeal committee for the following professorships at the University of Leipzig:

- *Wissensrepräsentation*, 2019-2020
- *Algebraische und logische Grundlagen der Informatik*, 2014-2015
- *Schwarmintelligenz und Komplexe Systeme*, 2015
- *Computational Humanities*, 2014
- *Digital Humanities*, 2012

Languages

German (mother tongue), English, French, Swedish