

# Curriculum Vitae Karin Quaas

Address:

Universität Leipzig  
Fakultät für Mathematik und Informatik  
Abteilung Automaten und Sprachen  
PF 100920  
D-04009 Leipzig

## Education

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

## Work Experience

10/2012 - now Associated Member of the DFG RTG *Quantitative Logics and Automata*  
04/2011 - now Head of the DFG project *Verification of weighted timed automata*  
03/2010 - now Postdoc in the department *Automata and Languages*, 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 *Knowledge Representation*

## Stays Abroad

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: Verification, Real-Timed Automata  
Seminars: Compilers, Real-Timed logics, Selected topics in Automata Theory  
Exercises: Logic, Automata and Languages, Computational Complexity Theory, Automata Theory, Introduction in Classical Logic, Knowledge-based systems

## Funding/Grants

10/2015 - 09/2018 DFG “Eigene Stelle”, head of the project  
*Verification of weighted timed automata* (QU 316/1-2)  
04/2011 - 03/2014 DFG “Eigene Stelle”, head of the project  
*Verification of weighted timed automata* (QU 316/1-1)

## Bachelor- and Mastertheses

Mastertheses	Anke Bremer “A Qualitative Approach to Weighted Model Checking”, 2014
Bachelortheses	Nicole Scheeren “Theoretische Probleme im Compilertbau”, 2015
	Nils Kossack “Das Sprachinklusionsproblem für Zeitautomaten”, 2009

## Program committee

- 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: Acta Informatica, LATA 2014 Special Issue, Soft Computing, ACM Transactions on Comp. Logic, Journal of Information Sciences, Annals of Mathematics and Artificial Intelligence, Transactions on Software Engineering, Logical Methods in Computer Science, Fundamenta Informaticae

Conference

Proceedings: 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 2014 and 2010.
- 17. Jahrestagung der GI-Fachgruppe *Logik in der Informatik*, Leipzig, 2010.
- 7. Theorietag *Automaten und Formale Sprachen*, Leipzig 2007.

## Academic self-government

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

- *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