

Curriculum Vitae Karin Quaas

Address:

Universität Leipzig
Fakultät für Mathematik und Informatik
Abteilung Automaten und Sprachen
PF 100920
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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 training school *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 training school *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

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| 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

- 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

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| 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