

Curriculum Vitae

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Education and Research

Aug. 01, 1986 – Aug. 01, 1990:	elementary school in Essen (Germany)
Aug. 01, 1990 – July 08, 1999:	high school in Essen (Germany)
June 1997 to October 2003:	supported by the “ Studienstiftung des deutschen Volkes ”
July 08, 1999:	high school leaving certificate “Abitur” with top grade “1.0”
Aug. 01, 1999 – June 30, 2000:	community service, student of the University of Hagen (Germany) for distance learning
Oct. 01, 2000 – Oct. 21, 2003:	student of the University of Duisburg-Essen (Germany), mathematics major, physics minor
Oct. 23, 2001:	BS (=“Vordiplom”) with top grade “sehr gut”
Oct. 21, 2003:	MS (=“Diplom”) with honourable mention “mit Auszeichnung” diploma thesis: “Scharf transitive κ -freie R-Moduln” supervisor: Prof. Rüdiger Göbel
November 2003 to July 2004:	supported by the “ German-Israeli Foundation ” (GIF), Prof. Göbel
October 2004 to March 2006:	research assistant of Prof. Karl Witsch, University of Duisburg-Essen
June 17, 2005:	PhD with grade “summa cum laude” PhD thesis: “Uniquely Transitive R -modules” supervisor: Prof. Rüdiger Göbel
April 2006 to December 2006:	supported by the “German-Israeli Foundation” (GIF), Prof. Göbel
January 2007 to December 2008:	supported by the “ Minerva Stiftung ” (Max Planck Society), long-term research visit at the Hebrew University of Jerusalem (Israel) as research fellow of Prof. Saharon Shelah
January 2009 to March 2010:	scientific assistant of the DFG research project “ The interplay between algebra and logic ” (Göbel, Schindler, Strüngmann), until March 2009 as research fellow of Prof. Rüdiger Göbel at the University of Duisburg-Essen, from April 2009 on as research fellow of Prof. Ralf Schindler at the University of Münster (Germany)
April 2010 to July 2014:	various duties and responsibilities in the research group “ Algebra/Logic ” at the University of Duisburg-Essen including the supervision of 4 PhD students of this research group, teaching activities, research work towards habilitation
January 2013 to July 2013:	associate professor (fixed-term), University of Duisburg-Essen
April 18, 2013:	submission of the habilitation thesis “Constructing \aleph_k -free Structures” at the faculty of mathematics of the University of Duisburg-Essen
August 27, 2013:	defence of the habilitation thesis, topic of the talk: “An der Grenze zwischen Algebra und Logik” (“The interplay between algebra and logic”)
September 2013 to February 2014:	research visit at the Eduard Čech Institute (ECI), Charles-University in Prague (Czech Republic) as associate of Prof. Jan Trlifaj
May 2014 to June 2014:	visiting researcher at the Hebrew University of Jerusalem (Israel) as part of the ERC project “ Model theory and its applications: dependent classes ” of Prof. Saharon Shelah
since August 2014:	assistant professor (tenure-track), Baylor University (TX, USA)

Further Short-term Visits

Apr. 13, 2010 – Apr. 28, 2010: guest of Prof. Saharon Shelah, Hebrew University Jerusalem, financed by the “German-Israeli Foundation” (GIF)
Nov. 21, 2010 – Dec. 04, 2010: guest of Prof. Jan Trlifaj, Charles-University Prague, financed by a PPP-project of the [DAAD](#)

Funding and Employment

June 1997 to October 2003: supported by the “Studienstiftung des deutschen Volkes”
November 2003 to July 2004: supported by the “German-Israeli Foundation” (GIF), Prof. Göbel
October 2004 to March 2006: research assistant of Prof. Karl Witsch, University of Duisburg-Essen
April 2006 to December 2006: supported by the “German-Israeli Foundation” (GIF), Prof. Göbel
January 2007 to December 2008: supported by the “Minerva Stiftung” (Max Planck Society)
January 2009 to March 2010: scientific assistant of the DFG research project “The interplay between algebra and logic” (Göbel, Schindler, Strüningmann)
April 2010 to December 2012: supported by the “German-Israeli Foundation” (GIF), Prof. Göbel
January 2013 to July 2013: associate professor (fixed-term), University of Duisburg-Essen
September 2013 to February 2014: associate of the Eduard Čech Institute (ECI), University of Prague
May 2014 to June 2014: visiting researcher of the ERC project “Model theory and its applications: dependent classes”, Prof. Shelah (HUJI)
since August 2014: assistant professor (tenure-track), Baylor University (TX, USA)

Teaching Experience

Winter 2011/12: Lecture “Probability Theory for Secondary School Teachers”
Winter 2012/13: Lecture “Probability Theory for Secondary School Teachers”
Seminar “Axiomatic Set Theory I”
Seminar “Assorted Topics in Algebra and Logic”
Summer 2013: Lecture “Modules and Abelian Groups”
Seminar “Axiomatic Set Theory II”
Seminar “Assorted Topics in Algebra and Logic”
Fall 2014: MTH 1321 “Calculus I” (2 sections)
Spring 2015: MTH 3312 “Foundations of Combinatorics and Algebra”
Fall 2015: MTH 3312 “Foundations of Combinatorics and Algebra”
MTH 5V92 “Introduction to Axiomatic Set Theory”
Spring 2016: MTH 3312 “Foundations of Combinatorics and Algebra”

Supervised Doctoral Theses

Montakarn Petapirak:	“Varieties of Groups and Cellular Covers” University of Duisburg-Essen, disputation: July 04, 2014.
Katrin Leistner:	“Partial Isomorphism” University of Duisburg-Essen, disputation: March 27, 2015.
Christian Müller:	“Von Neumann Regular Endomorphism Rings” University of Duisburg-Essen, expected disputation: Fall 2016.

These theses were partially supervised in cooperation with Prof. Rüdiger Göbel (+2014).

Math Competitions and Training Programs

1993 – 1999:	5 first prizes at the “ Deutsche Mathematik-Olympiade ” (German Mathematical Olympiad), 2 first prizes at the “ Bundeswettbewerb Mathematik ” and 3 second prizes at the “ International Mathematical Olympiad ” in Mar del Plata (Argentina 1997), Taipei (Taiwan 1998) and Bucharest (Romania 1999) among over 30 prizes in mathematical competitions on international, federal and state level
since 2000:	collaboration in various training projects and programs for promoting talented high school students in mathematics on federal and state level
2001 – 2006:	conducting several “ Mathezirkel ” (work groups for mathematically gifted and interested students) at the University of Duisburg-Essen (supervisor: Prof. Norbert Knoche)
since 2001:	member of the “ Aufgabenausschuß ” (Problem Proposal Committee) and coordinator of the “ Deutsche Mathematik-Olympiade ” (German Mathematical Olympiad)
February 2007 to February 2010:	original member and coordinator of the project “ Jugend trainiert Mathematik ” for promoting talented high school students in mathematics initiated by “ Bildung & Begabung ” (institution) with the special support of the “ Deutsche Telekom Stiftung ” (sponsor), compilation of extensive teaching materials for seminars and correspondence courses
July 12, 2009 – July 21, 2009:	coordinator of the “50. International Mathematical Olympiad” in Bremen (Germany)
July 13, 2011 – July 24, 2011:	coordinator of the “ 52. International Mathematical Olympiad ” in Amsterdam (Netherlands)
since 2014:	faculty sponsor of the Putnam Competition prep program at Baylor University (joined with Dr. Paul Hagelstein)