

CURRICULUM VITAE

Academic Education

- 2003-2006 Ph.D. in Economics, Bielefeld Graduate School of Economics and Management (BiGSEM, Bielefeld University) (grade: “Summa cum laude”)
Ph.D. Thesis: “Pension Systems, Demographic Change, and the Stock Market”
Advisors: Prof. Volker Böhm, Ph.D., PD Dr. Jan Wenzelburger
- 1999-2003 Diploma in Economics (Diplom-Volkswirt), Bielefeld University (grade: 1.0)
Thesis: „Sequentielle Portfeuilleentscheidungen mit mehrperiodigem Planungszeitraum“
Advisors: PD Dr. Jan Wenzelburger, Prof. Volker Böhm, Ph.D.
- 1997-1999 Pre-Diploma in Economics (Vordiplom), University of Münster, Germany

Academic Employment

- Since 10/2017 Chair of Macroeconomics (Temporary position, Vertretungsprofessur),
Goethe University Frankfurt
- 04/2017-09/2017 Chair of Economic Theory (Temporary position, W3-Vertretungsprofessur),
University of Konstanz
- 04/2016-03/2017 Chair of Financial Economics (Temporary position, W3-Vertretungsprofessur),
Gutenberg University Mainz
- 10/2015-03/2016 Chair of Macroeconomics (Temporary position, W3-Vertretungsprofessur),
Gutenberg University Mainz
- 10/2008 -09/2015 Assistant Professor (W1-Juniorprofessor) for Macroeconomic Theory, Department of
Economics and Business Engineering, Karlsruhe Institute of Technology
- 04/2008-09/2008 DFG Scholarship for Research Project “Social Security and the Demographic Challenge“
- 01/2007-03/2008 Research Associate (Postdoc), Chair Prof. Volker Böhm, Department of Economics,
Bielefeld University
- 09/2006-12/2006 Research Assistant, Chair Prof. Volker Böhm, Department of Economics, Bielefeld University
- 08/2004-07/2006 Ph.D.-Scholarship from the Peter Gläsel Stiftung(former Weidmüller Stiftung)
- 10/2003-07/2004 Research Assistant, Chair Prof. Volker Böhm, Department of Economics, Bielefeld University
- 04/2001-06/2003 Teaching Assistant/Student Assistant, Department of Economics, Bielefeld University

Membership in Scientific Organizations

- Econometric Society
- Society for the Advancement of Economic Theory
- Verein für Socialpolitik

PUBLICATIONS AND RESEARCH PAPERS

Publications in Refereed Journals

- “Optimal Climate Policies in a Dynamic Multi-Country Equilibrium-Model“ (joint with Elmar Hillebrand), published in: **Journal of Economic Theory**, 2019, Volume 179 (1), Pages 200-239
- “Bubbly Markov Equilibria” (joint with Martin Barbie), published in: **Economic Theory**, 2018, Volume 66, Issue 3, pages 627-679
- “Bubbles and Crowding-in of Capital via a Savings Glut” (joint with Tomoo Kikuchi and Masaya Sakuragawa), published in: **Macroeconomic Dynamics**, 2018, Volume 22, pages 1238-1266
- “A Mechanism for Booms and Busts in Housing Prices” (joint with Tomoo Kikuchi), published in: **Journal of Economic Dynamics and Control**, 2015, Volume 51, Pages 204–217
- “Uniqueness of Markov Equilibrium in Stochastic OLG Models with Nonclassical Production” in: **Economics Letters**, 2014, Volume 123, Issue 2, Pages 171–176
- “On the Optimal Size of Social Security in the Presence of a Stock Market” in: **Journal of Mathematical Economics** 2012, Volume 48, Pages 26-38
- “On the Role of Labor Supply for the Optimal Size of Social Security” in: **Journal of Economic Dynamics and Control** 2011, Volume 35, Pages 1091-1105
- “The Impact of Multiperiod Planning Horizons on Portfolios and Asset Prices in a Dynamic CAPM” (joint with Jan Wenzelburger), in: **Journal of Mathematical Economics** 2006, 42, 565-593
- “On the Dynamics of Asset Prices and Portfolios in a Multiperiod CAPM” (joint with Jan Wenzelburger), in: **Chaos, Solitons & Fractals** 2006, 29 (3), 578-594

Monographs

- “Pension Systems, Demographic Change, and the Stock Market”
Lecture Notes in Economics and Mathematical Systems, Volume 610, Springer Verlag, 2008, Berlin a.o.

Current Working Papers

- “Who Pays the Bill? Climate Damages, Taxes, and Optimal Transfers in a Multi-Region Growth Model“ (joint with Elmar Hillebrand), status: to be resubmitted
- “Does Idealistic Investment Behavior Promote Green Growth?”, (joint with Klaus Wälde), status: 80% complete
- “Idealism and Green Growth”, (joint with Steffi Nagel and Klaus Wälde), status: in preparation
- “Existence of Bubbly Equilibria in Overlapping Generations Models with Stochastic Production”, KIT Working Paper 57, status: to be submitted
- “Governmental Debt, Sustainability, and Optimality”, KIT Working Paper 14, status: revised version available shortly

Refereeing

- Journal of Economic Dynamics and Control
- Journal of Economic Growth
- Journal of Mathematical Economics
- Journal of Economic Theory
- Journal of Economics and Statistics
- Macroeconomic Dynamics
- Economic Modelling
- Zentralblatt MATH

EXTERNAL FUNDING (DRITTMITTEL)

Scholarships

- Research Scholarship from the Deutsche Forschungsgemeinschaft (DFG) for project “Social Security and the Demographic Challenge” (03/2008-09/2008) - Amount: 16.500 €
- Ph.D.-Scholarship from the Peter Gläsel Stiftung (08/2004-07/2006) - Amount: 24.000 €

Grants

- Teaching Grant from the MWK (Ministerium für Wissenschaft, Forschung und Kunst, Baden-Württemberg, Germany) (2014) - Amount: 10.000 €
- DFG Travel Grant to attend the European Meeting of the Econometric Society in Budapest, Hungary (2007) - Amount: 1.000 €

AWARDS

- JEDC Outstanding Referee Award, Journal of Economic Dynamics and Control (2010)
- Teaching Award for the lecture “Macroeconomic Theory I: Theory of Business Cycles”, Department of Economics and Business Engineering, Karlsruhe Institute of Technology (2010)
- Teaching Award for the lecture “Theory of Economic Growth”, Department of Economics and Business Administration, Karlsruhe Institute of Technology (2009)
- Dissertation Prize of the Westfälisch-Lippische Universitätsgesellschaft (2008)
- Second Prize Deutsches Aktieninstitut Academic Awards 2003 for the Diploma thesis (2003)

INVITED RESEARCH VISITS

Long-Term Research Visits

- National University of Singapore, Singapore (02-03/2011, 02-03/2012, 09-10/2012)
- Federal Reserve Bank of Minneapolis, US (07/2008)
- W.P. Carey School of Business, Arizona State University, US (03-09/2008)

Short-Term Research Visits

- Center for Macroeconomic Research, University of Cologne, Germany (05/2012, 02/2013)
- National University of Singapore, Singapore (03/2013)
- Swiss Banking Institute, University of Zurich, Switzerland (07/2007)

RESEARCH TALKS

Conference and Workshop Presentations

- 12/2018 ifo Workshop on Heterogeneous Agents and the Macroeconomics of Climate Change
- 08/2017 70th European Meeting of the Econometric Society, Lisbon, Portugal
- 06/2017 17th SAET Conference on Current Trends in Economics, Society for the Advancement of Economic Theory (SAET), Faro, Portugal
- 09/2016 Annual Meeting of the Verein für Socialpolitik, University of Augsburg, Germany
- 09/2014 Annual Meeting of the Verein für Socialpolitik, Session “Integration, Financial Frictions, and Economic Growth” organized jointly with Ingrid Ott (KIT) and Maik Heinemann (University of Potsdam), Helmut-Schmidt-University, Hamburg, Germany
- 06/2014 20th International Conference on Computing in Economics and Finance, Society for Computational Economics (SCE), BI Norwegian Business School, Oslo, Norway
- 07/2013 13th SAET Conference on Current Trends in Economics, Society for the Advancement of Economic Theory (SAET), MINES ParisTech, Paris, France
- 06/2013 BETA-KIT Workshop, University of Strasbourg and KIT, Strasbourg, France
- 09/2012 Annual Meeting of the Verein für Socialpolitik, University of Göttingen, Germany
- 06/2012 18th International Conference on Computing in Economics and Finance, Society for Computational Economics (SCE), Diplomat Hotel Prague, Czech Republic
- 09/2010 Cologne Macro Workshop, University of Cologne, Germany
- 09/2010 Annual Meeting of the Verein für Socialpolitik, University of Kiel, Germany
- 07/2010 16th International Conference on Computing in Economics and Finance, Society for Computational Economics (SCE), City University of London, UK
- 08/2009 Workshop on Macroeconomic Dynamics, National University of Singapore, Singapore
- 04/2008 Macro Workshop, Arizona State University, US
- 10/2007 Annual Meeting of the Verein für Socialpolitik, Ludwig Maximilian University, Munich, Germany
- 08/2007 European Meeting of the Econometric Society, Budapest, Hungary
- 07/2006 Vigoni Workshop Milano, Università Cattolica, Milan, Italy
- 03/2006 EBIM Workshop Paris, Université Paris 1 – Panthéon Sorbonne, France
- 12/2005 Vigoni Workshop Milano, Università Cattolica, Milan, Italy
- 06/2005 Vigoni Workshop Bielefeld, Bielefeld University, Germany
- 03/2005 CREDS 2005 - International Workshop on Complexity and Randomness in Economic Dynamical Systems, Bielefeld University, Germany
- 07/2004 10th International Conference on Computing in Economics and Finance, Society for Computational Economics, Universiteit van Amsterdam, The Netherlands

RESEARCH TALKS

Invited Talks

- 11/2015 Brownbag Seminar, Gutenberg University Mainz, Germany
- 12/2014 Research Talk, University of Leipzig, Germany
- 11/2014 Research Talk, University of Hohenheim, Germany
- 03/2013 Macro Reading Group, National University of Singapore (NUS), Singapore
- 03/2012 Nanyang Technological University (NTU), Singapore
- 03/2012 Singapore Management University (SMU), Singapore
- 03/2012 National University of Singapore (NUS), Singapore
- 12/2011 Symposium - 10 years of BiGSEM, Bielefeld University, Germany
- 03/2011 National University of Singapore (NUS), Singapore
- 03/2011 Nanyang Technological University (NTU), Singapore
- 12/2008 Research Talk, University of Zurich, Switzerland
- 07/2008 Baglunch Seminar, Minneapolis Federal Reserve Bank, US
- 01/2008 Economic Workshop, University of Würzburg, Germany
- 11/2007 Research Talk, University of Karlsruhe, Germany
- 11/2007 Theory Workshop, University of Mannheim, Germany
- 04/2007 Deutsche Bundesbank, Frankfurt, Germany

Further Events

- 12/2017 Chair Research Day, Chair in Macroeconomics, Gutenberg University Mainz (presenter)
- 12/2016 Chair Research Day, Chair in Macroeconomics, Gutenberg University Mainz (presenter)
- 12/2015 Chair Research Day, Chair in Macroeconomics, Gutenberg University Mainz
- 06/2015 Chair Research Day, Chair in Macroeconomics, Gutenberg University Mainz (presenter)
- 12/2014 21st Annual Meeting of the German Finance Association (DGF)/ 13th Symposium on Finance, Banking, and Insurance, KIT, Karlsruhe (discussant)
- 03/2012 AEI-FOUR Joint Workshop on Current Issues in Economic Theory, National University of Singapore, Singapore (participation)
- 09/2010 New Challenges for Public Debt in Advanced Economies, Workshop, organized by the Banque de France and BETA, Université de Strasbourg, France (participation)
- 07/2008 Minnesota Macro Workshop, University of Minnesota, US (participation)
- 05/2007 Verein für Socialpolitik, Theoretischer Ausschuss, Günzburg, Germany (guest)
- 11/2006 “Fifth MEA Annual Conference”, Schwetzingen, Germany (participation)
- 08/2006 “Second Meeting of Winners of the Bank of Sweden Prize in Economic Sciences in Memory of Alfred Nobel”, Lindau, Germany (participation)

TEACHING

Teaching at Goethe University Frankfurt

- 2019 Lecture “Monetary Policy, Inflation, and the Business Cycle” (Master, in English)
- 2019 Lecture “Macroeconomic Models of Climate Change” (Bachelor, in English)
- 2019 Seminar on “Monetary Economics: Theory and Policy” (Bachelor, in English)
- 2018/19 Lecture “Advanced Methods in Dynamic Macroeconomics” (Master, in English)
- 2018/19 Lecture “Introduction to Macroeconomics and Asset Pricing” (Bachelor, in English)
- 2018/19 Seminar “Economic Models of Climate Change” (Bachelor, in English)
- 2018 Lecture “Macroeconomics and Asset Pricing” (Master, in English)
- 2018 Lecture “Macroeconomic Models of Climate Change” (Bachelor, in English)
- 2018 Seminar “Monetary Models of Inflation, Employment and Welfare” (Master, in English)
- 2017/18 Lecture “Fundamentals of Macroeconomics” (Master, in English)
- 2017/18 Lecture “Monetary Policy, Inflation, and the Business Cycle” (Master, in English)
- 2017/18 Seminar “Asset Bubbles and the Macroeconomy” (Master, in English)

Teaching at University of Konstanz

- 2017 Lecture “Advanced Macroeconomics II” (Graduate/Ph.D. level, in English)
- 2017 Lecture “Monetary Policy, Inflation, and Business Cycles” (Graduate level, in English)
- 2017 Seminar “Economic Models of Climate Change” (Undergraduate level, in German)

Teaching at Gutenberg University Mainz/ GSEFM Goethe University Frankfurt

- 2016/17 Lecture “Financial Economics II: Asset Pricing” (Graduate level, in English)
- 2016/17 Seminar on „Financial Economics: Monetary Economics” (Graduate level, in English)
- 2016/17 Seminar “Theories of Growth and Business Cycles” (Undergraduate level, in German)
- 2016 Lecture “Skills & Tools” (Undergraduate level, in German)
- 2016 Lecture “Monetary Policy, Inflation, and Business Cycles” (Graduate level, in English)
- 2016 Seminar on “Banking and the Macroeconomy” (Graduate level, in English)
- 2016 Seminar on “Empirical Economics” (Undergraduate level, in German)
- 2015/2016 Lecture “Macroeconomics I” (Undergraduate level, in German)
- 2015/2016 Lecture “Advanced Macroeconomics” (Graduate level, in English)
- 2015/2016 Lecture “Mathematical Methods” (Ph.D. level, in English)

TEACHING

Teaching at KIT

2009-2015	Lecture “Theory of Business Cycles” (Graduate level, in English)
2009-2014	Lecture “Theory of Economic Growth” (Graduate level, in English)
2013/2014	Seminar on “Topics in Economic Theory” (Graduate level, joint with Veronica Block)
2013	Seminar on “Models of the Business Cycle” (Graduate level, joint with Caren Söhner)
2012/2013	Seminar on “Macroeconomics and Asset Pricing” (Graduate level, joint with Caren Söhner)
2011, 2014	Lecture “Advanced Topics in Economic Theory” (Ph.D. level, in English, joint with Kay Mitusch)
2011	Seminar on “Models of the Business Cycle” (Graduate level, joint with Caren Söhner),
2010	Lecture “Advanced Topics in Economic Theory” (Graduate Level, in English, joint with Clemens Puppe and Kay Mitusch)
2009	Seminar on “Modern Business Cycle Theory” (Graduate Level)
2008/2009	Lecture “Macroeconomic Theory” (Graduate Level)

Teaching at Bielefeld University

2007/2008	Lecture “Banking and Finance” (Undergraduate Level, in English)
2007/2008	Seminar on “Microeconomics” (joint with Volker Böhm, Graduate Level)
2007	Seminar on “Financial Markets” (joint with Volker Böhm, Graduate Level)
2007	Reading Course on “The Theory of Dynamical Systems” (joint with Thorsten Pampel, Ph.D. Level)
2006/2007	Seminar on “Topics in Macroeconomics” (joint with Volker Böhm, Graduate Level)
2006/2007	Reading Course on “Methods in Microeconomics” (Ph.D. Level)
2004	Seminar on “Financial Markets” (joint with Jan Wenzelburger, Graduate Level)
2003/2004	Reading Course on “Economic Growth” (Ph.D. Level)

Advisor of Ph.D. Theses

- Oliver Saffran: “Housing Bubbles, Credit Frictions, and the Macroeconomy” (second advisor, University of Göttingen, work in progress)
- Caren Söhner: “Overlapping Generations Models with Multiperiod Lived Consumers: Theory and Applications” (first advisor, KIT, February 2016)
- Tim Deeken: “Spatial Interaction and Economic Growth” (second advisor, KIT, November 2015)
- Florian Kreuchau: „Fraktale Doppel-Boom-Zyklen und Querschnittstechnologien: Theorie, Empirie und Politikimplikationen am Beispiel der Nanotechnologie“ (second advisor, KIT, April 2015)

FURTHER ACTIVITIES

Workshop Organization

- Workshop on Economics and Finance, Karlsruhe Institute of Technology (2009-2010)
- Vigoni Workshop, University of Bielefeld (2005, 2006)

Administrative Work

- External expert member of a hiring committee (Berufungskommission) for a W1-Professorship in “Macroeconomics” at the University of Konstanz (2009)
- Member of a hiring committee (Berufungskommission) for a W3-Professorship in “Industrial Organization” at Karlsruhe Institute of Technology (2010)
- Member of a hiring committee (Berufungskommission) for a W3-Professorship in “Econometrics” at Karlsruhe Institute of Technology (2011, 2013)
- Election Supervisor (Abstimmungsausschuss-Vorsitzender) of Department Council elections (Fakultätsratswahlen) at Karlsruhe Institute of Technology (2010)