

Philipp Harting

CONTACT INFORMATION

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RESEARCH INTERESTS

Agent-based modeling, sustainable growth, innovation economics and industrial dynamics, labor economics

CURRENT POSITION

Post-doctoral Researcher **October, 2014 - present**
Bielefeld University, Department for Business Administration and Economics
Chair for Economic Theory and Computational Economics - Prof. Herbert Dawid

ACADEMIC CAREER

Research Assistant **April, 2007 - November, 2009**
Bielefeld University, Department for Business Administration and Economics

PhD Fellow **December, 2009 - November, 2011**
Bielefeld University

Research Assistant **December, 2011 - September, 2014**
Bielefeld University, Department for Business Administration and Economics

Visiting Scholar **March, 2018 - April, 2018**
OFCE - SciencesPo, Sophia Antipolis, France

EDUCATION

Bielefeld University, Bielefeld, Germany

Ph.D. in Economics, October 2014 ('summa cum laude')

- Dissertation Topic: "Policy design in the presence of technological change - an agent-based approach"
- Advisor: Herbert Dawid

Diploma in Economics, April 2007

PROJECT PARTICIPATION

GROWINPRO - "Growth Welfare Innovation Productivity" **January, 2019 - present**

funded by the European Commission under the Horizon 2020 program
Lead contractor: Scuola Superiore Sant'Anna di Studi Universitari e di Perfezionamento (Pisa, Italy)

ISIGrowth - "Innovation-fuelled, Sustainable, Inclusive Growth" **May, 2015 - June, 2018**

funded by the European Commission under the Horizon 2020 program
Lead contractor: Scuola Superiore Sant'Anna di Studi Universitari e di Perfezionamento (Pisa, Italy)

The Heterogeneity of Skills, Technological Change, and Changing Perspectives on the Labor Market
June, 2014 - May, 2016

funded by the German Science Foundation within the Collaborative Research Center From Heterogeneities to Inequalities, (SFB 882)

EURACE - "An agent-based software platform for European economic policy design with heterogeneous interacting agents"
April, 2007 - November, 2009

funded within the 6th EU-Framework Program
Lead contractor: University of Genoa (Italy)

PUBLICATIONS

REFEREED JOURNALS:

Harting P. Macroeconomic Stabilization and Long-Term Growth: The Role of Policy Design. *Macroeconomic Dynamics*; (accepted).

Dawid H, Harting P, van der Hoog S. Manager Remuneration, Share Buybacks and Firm Performance. *Industrial and Corporate Change*; (accepted).

Dawid H, Harting P, van der Hoog S, Neugart M. Macroeconomics with Heterogeneous Agent Models: Fostering Transparency, Reproducibility and Replication. *Journal of Evolutionary Economics* 2019; 29: 467-537.

Dawid H, Harting P, Neugart M. Cohesion Policy and Inequality Dynamics: Insights from a Heterogeneous Agents Macroeconomic Model. *Journal of Economic Behavior and Organization* 2018; 150: 220-255.

Dawid H, Harting P, Neugart M. Fiscal Transfers and Regional Economic Growth. *Review of International Economics* 2018; 26(3): 651-671.

Dawid H, Harting P, Neugart M. Economic Convergence: Policy Implications from a Heterogeneous Agent Model. *Journal of Economic Dynamics & Control*. 2014; 44: 54-80.

Holcombe M, Chin S, Cincotti S, Harting P, et al. Large-scale Modelling of Economic Systems. *Complex Systems*. 2013; 22(2): 175-191.

Dawid H, Gemkow S, Harting P, Neugart M. Labor market integration policies and the convergence of regions: the role of skills and technology diffusion. *Journal of Evolutionary Economics*. 2012; 22(3): 543-562.

Dawid H, Gemkow S, Harting P, Neugart M. On the Effects of Skill Upgrading in the Presence of Spatial Labor Market Frictions: An Agent-Based Analysis of Spatial Policy Design. *Journal of Artificial Societies and Social Simulation*. 2009; 12(4): 5.

Dawid H, Gemkow S, Harting P, Kabus K, Wersching K, Neugart M. Skills, Innovation, and Growth: An Agent-Based Policy Analysis. *Jahrbücher für Nationalökonomie und Statistik*. 2008; 228(2-3): 251-275.

BOOK CHAPTERS

Dawid H, Gemkow S, Harting P, van der Hoog S, Neugart M. Agent-Based Macroeconomic Modeling and Policy Analysis: The Eurace@Unibi Model. In: Chen S-H, Kaboudan M, eds. Handbook on Computational Economics and Finance. Oxford University Press; 2018: 490-519.

Dawid H, Harting P. Capturing Firm Behavior in Agent-Based Models of Industry Evolution and Macroeconomic Dynamics. In: Bünstorf G, ed. Applied Evolutionary Economics, Behavior and Organizations. Edward-Elgar; 2012: 103-130.

WORKING PAPERS

Harting P, Kohlweyer D. Integrating Forced Migrants in a Union of Diverging Regions: A Policy Assessment. *ISIGrowth Working Paper, No. 12-2018*.

Harting P, Radi D. Residential Segregation: The Role of Inequality and Housing Subsidies. *Bielefeld Working Papers in Economics and Management, No. 06-2018*.

Dawid H, Gemkow S, Harting P, van der Hoog S, Neugart M. The Eurace@Unibi Model: An Agent-Based Macroeconomic Model for Economic Policy Analysis. *Bielefeld Working Papers in Economics and Management, No. 05-2012*.

CITATIONS

Google Scholar: 508, h-index 12; Scopus: 147, h-index 7 (April, 2019)

SOFTWARE AND DATA PUBLICATION

Böhl G, Harting P, van der Hoog S. *The ETACE Virtual Appliance*. Bielefeld University; 2014. Available from: <https://pub.uni-bielefeld.de/data/2674041>

Gemkow S, Harting P, van der Hoog S. Eurace@Unibi Model v1.0 Source Code. Bielefeld University; 2014. Available from: <https://pub.uni-bielefeld.de/data/2900767>

SCHOLARSHIPS AND AWARDS

- Shortlisted for the 'Best Student Paper in Computational Economics 2014' with the paper 'Stabilization Policies and Long Term Growth: Policy Implications from an Agent-based Macroeconomic Model', awarded by the Society for Computational Economics.
- Doctoral scholarship granted by the University Bielefeld (2009-2011)

PRESENTATIONS AT PROFESSIONAL MEETINGS

Invited Talks:

- Seminar talk, University of Pisa, Italy on September, 9th, 2018.
- 10th Workshop on Dynamic Models in Economics and Finance, Urbino, Italy on September, 6-8, 2018.
- 11th Workshop on Economic Complexity, organized by OFCE-SciencesPo in Sophia Antipolis, France on November, 17th, 2017.
- 2nd HenUn/INFER Workshop on Applied Macroeconomics at the Henan University, in Kaifeng, China on March 18-19, 2016.
- Symposium on Agent-based Computational Economics and Big Data Analysis at the National Supercomputer Centre/ Sun Yat-Sen University, in Guangzhou, China on December 5-7, 2015.

Since 2008 I have regularly attended these conferences:

- Workshop on Economics with Heterogeneous Interacting Agents (WEHIA)
- Int. Conference on Computing in Economics and Finance (CEF)
- Conference of the European Social Simulation Association (ESSA)
- International Schumpeter Conference
- The NYC Computational Economics & Complexity Workshop at the Eastern Economic Association Meeting

RESEARCH VISITS

OFCE – SciencesPo (2018), University of Pisa (2018), Università Cattolica del Sacro Cuore, Milan (2014, 2015, 2016, 2017, 2018), University of Genoa (2008, 2009), University of Sheffield (2008), University of Cagliari (2008), GREQAM, University of Aix-Marseille (2008), Rutherford Appleton Laboratory STFC, Oxford (2008), Istanbul Bilgi University (2007)

REFEREEING

Journal of Economic Dynamics & Control, Journal of Economic Behavior and Organization, Journal of Evolutionary Economics, Industrial and Corporate Change, Journal of Economic Interaction and Coordination, Economics of Innovation and New Technology, Eastern Economic Review, Chaos - An Interdisciplinary Journal of Nonlinear Science, Journal of Artificial Societies and Social Simulation.

CONFERENCE AND WORKSHOP ORGANIZATION

- Pre-Conference Workshop on 'Agent-based Macroeconomics: Model Design, Empirical Grounding and Policy Analysis'; Conference on Computing in Economics and Finance (CEF) 2017, New York City
- Local Organizing Committee of 'First meeting of the German Network for New Economic Dynamics (GENED)', 2013, Bielefeld University
- Local Organizing Committee of 'Advances in Agent-Based Computational Economics ADACE 2010' at the Center for Interdisciplinary Research (ZiF), Bielefeld University
- EURACE Winter School, 2009, Genoa University

MEMBERSHIPS OF PROFESSIONAL ASSOCIATIONS

- SCE – Society for Computational Economics
- GENED – German Network on New Economic Dynamics
- iTIME – Institute for Technological Innovation, Market Development and Entrepreneurship, Bielefeld University
- BiGSEM – Bielefeld Graduate School in Economics and Management

SERVICE TO THE UNIVERSITY

- Since 2018: Elected member of the Faculty Conference at the Department for Business Administration and Economics, Bielefeld University
- 2016-17: Hiring Committee for a W3 Professorship "Economic Theory" at the Institute for Mathematical Economics (IMW) and the Department for Business Administration and Economics, Bielefeld University

TEACHING

MA level:

- Innovation economics
- Market and industrial dynamics
- Agent-based Economics

BA level:

- Bachelor seminars on industrial economics, innovation economics and economics of competition.

COMPUTER SKILLS

- Statistical Packages: R; use of C statistical libraries.
- Languages: C, Java, some use of Unix shell scripts.
- Applications: \LaTeX , common Windows database, spreadsheet, and presentation software
- Operating Systems: Unix/Linux, Windows.