

Philipp Harting

CONTACT INFORMATION

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RESEARCH INTERESTS

Macroeconomics, labor economics, economics of innovation, agent-based modeling, evolutionary economics, computational economics, economic complexity.

CURRENT POSITION

Substitute Professor **Since Oktober 2021**
Bielefeld University, Faculty of Business Administration and Economics
Chair for Economic Theory and Computational Economics, substituting Prof. Dr. Herbert Dawid

ACADEMIC CAREER

Post-doctoral Researcher **October, 2014 - September, 2021**
Bielefeld University, Faculty of Business Administration and Economics

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

Research Assistant **December, 2011 - September, 2014**
Bielefeld University, Faculty of Business Administration and Economics

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

Research Assistant **April, 2007 - November, 2009**
Bielefeld University, Faculty of Business Administration and Economics

EDUCATION

Bielefeld University, Bielefeld, Germany

Habilitation in Economics, June 2021

- Habilitation Topic: “Productivity and Inequality Dynamics in Heterogeneous Agent Models”

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 - May, 2022**

funded by the European Commission under the Horizon 2020 program

Lead contractor: Sant’Anna School of Advanced Studies (Pisa, Italy)

ISIGrowth - “Innovation-fuelled, Sustainable, Inclusive Growth”

May, 2015 - June, 2018

funded by the European Commission under the Horizon 2020 program

Lead contractor: Sant’Anna School of Advanced Studies (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 (DFG) 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

Basurto A, Dawid H, Harting P, Hepp J, Kohlweyer D. Economic and Epidemic Implications of Virus Containment Policies: Insights from Agent-Based Simulations, forthcoming in *Journal of Economic Interaction and Coordination*.

Guerini M, Harting P, Napoletano M. Governance structure, technical change and industry competition. *Journal of Economic Dynamics & Control*, 2022; 135: 104294.

Harting P. Macroeconomic Stabilization and Long-Term Growth: The Role of Policy Design. *Macroeconomic Dynamics*, 2021; 25(4): 924-969.

Harting P, Radi D. Residential Segregation: The Role of Inequality and Housing Subsidies. *Journal of Economic Behavior and Organization*, 2020; 178: 801-819.

Dawid H, Harting P, van der Hoog S. Manager Remuneration, Share Buybacks and Firm Performance. *Industrial and Corporate Change*, 2019; 28 (3): 681-706.

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, Harting P, Neugart M. The Role of (De-)Centralized Wage Setting for Industry Dynamics and Economic Growth. An Agent-Based Analysis with the Eurace@Unibi Model. In: Arifovic J, Dawid H, eds. *Dynamic Analysis in Complex Economic Environments: Essays in Honor of Christophe Deissenberg*. Springer, Berlin; 2021.

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

Colombo L, Dawid, H, Harting, P. R&D Location Strategies. *Bielefeld Working Papers in Economics and Management, No.10-2019*.

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

CITATIONS

Google Scholar: 1008, h-index 16; Scopus: 328, h-index 10 (October, 2022)

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:

- Workshop on Product Innovations: Liability, Incentives and Market Dynamics, Center for Interdisciplinary Research (ZiF), Bielefeld on January, 20th, 2022.
- Workshop Research Dialogues on the Complexity of the Energy Transition, University of Brescia, Italy on December, 7th, 2021.
- Seminar talk, University of Brescia, Italy on November, 16th, 2021.
- Seminar talk, TU Darmstadt, Germany on July, 10th, 2019.
- 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

University of Brescia (2021), OFCE – SciencesPo (2018, 2019), University of Pisa (2018), Università Cattolica del Sacro Cuore, Milan (2014, 2015, 2016, 2017, 2018, 2019), University of Genoa (2008, 2009), University of Sheffield (2008), University of Cagliari (2008), GREQAM, University of Aix-Marseille (2008), Rutherford Appleton Laboratory STFC (2008), Istanbul Bilgi University (2007)

EDITORIAL BOARD MEMBERSHIP

International Journal of Microsimulation (AE)

REFEREEING

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

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

- Verein für Socialpolitik – Evolutorischer Ausschuss
- 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

- 2019-2021: Spokesperson of the academic staff of the Faculty of Business Administration and Economics, Bielefeld University
- 2018-2021: Elected member of the Faculty Conference at the Faculty of 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 Faculty of Business Administration and Economics, Bielefeld University

DOCTORAL COMMITTEES

Dirk Kohlweyer (May 2022, Bielefeld University, member of the committee), Jasper Hepp (September 2022, Bielefeld University, second supervisor), Elise Kremer (defense scheduled for December 2022, member of the committee, University Paris 1 Panthéon-Sorbonne and Bielefeld University)