Philipp Harting

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Academic Appointments

Since 2024	Professor of Economics of Innovation and AI, Université Côte d'Azur, GREDEG.
2022 - 2023	Principal Investigator, Bielefeld University, Faculty of Business Administration and Economics
2021 - 2022	Substitute Professor, Bielefeld University, Faculty of Business Administration and Economics, Chair for Economic Theory and Computational Economics, substituting Prof. Dr. Herbert Dawid
2014 - 2021	Post-doctoral Researcher, Bielefeld University, Faculty of Business Administration and Economics
2007 - 2014	Research Assistant, Bielefeld University, Faculty of Business Administration and Economics

Visiting Positions

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

Education

Habilitation in Economics	Bielefeld University, 2021, Topic: "Productivity and Inequality Dynamics in Heterogeneous Agent Models"
Ph.D. in Economics	Bielefeld University, 2014, Topic: "Policy design in the presence of technological change - an agent-based approach", Grade: summa cum laude
Diploma in Economics	Bielefeld University, 2007

Research Interests

Economics of Innovation; Macroeconomics; Labor Economics; Industrial Dynamics; Policy Design in Complex Environments; Agent-based Modeling, Computational Economics, Economic Complexity; Digitization and Artificial Intelligence.

Updated: September 2026

Third Party Grants

2026	PROPOLIS - "Projecting Regional Outcomes of Policies Aimed at Industrial Sovereignty", Research project funded by ESPON. Consortium led by Prognos AG, duration from May 2026 to April 2028.	135.000 Euro
2022	EWaGI "Energy Transition and Competitiveness: An Analysis of Heterogeneous Firm Behavior and its Macroeconomic Implications", jointly with the Energy Systems Analysis group of German Aerospace Center (DLR), funded by the German Ministry of Economic Affairs and Climate Action, duration from December 2022 to June 2026	325.000 Euro

Internal PostDoc Funding

2026	Luzie Kromer, "Artificial Intelligence, Standards, and Competitive Dominance: Empirical Evidence and Agent-Based Industry Analysis", ELMI-PostDoc, Université Côte d'Azur
2025	Hankui Wang, "AI, Firm Heterogeneity, and Structural Change: Implications for Industry Dynamics and Macroeconomic Resilience", IdEx (Initiative of Excellence), Université Côte d'Azur

Project Participation

Since 2026	PROPOLIS - "Projecting Regional Outcomes of Policies Aimed at Industrial Sovereignty", funded by ESPON, consortium led by Prognos AG
2022 - 2026	EWaGI - "Energy Transition and Competitiveness: An Analysis of Heterogeneous Firm Behavior and its Macroeconomic Implications"
2019 - 2022	GROWINPRO - "Growth Welfare Innovation Productivity", funded by the European Commission under H2020, lead contractor: Sant'Anna School of Advanced Studies (Pisa, Italy)
2015 - 2018	ISIGrowth - "Innovation-fuelled, Sustainable, Inclusive Growth", funded by the European Commission under H2020, lead contractor: Sant'Anna School of Advanced Studies (Pisa, Italy)
2014 - 2016	"The Heterogeneity of Skills, Technological Change, and Changing Perspectives on the Labor Market", funded by the German Science Foundation (DFG) within the Collaborative Research Center "From Heterogeneities to Inequalities" (SFB 882)
2007 - 2009	EURACE - "An agent-based software platform for European economic policy design with heterogeneous interacting agents", funded within the 6th EU-Framework Program, lead contractor: University of Genoa (Italy)

Publications

Refereed Journals

Dawid, H., Harting, P., & Neugart, M. (2026). "Algorithmic wage setting on online labor platforms." *Labour Economics*, 102945.

Colombo, L., Dawid, H., & Harting, P. (2024). "R&D location in dynamic industry environments." *Journal of Economic Geography*, *24*(1), 41–62.

Basurto, A., Dawid, H., Harting, P., Hepp, J., & Kohlweyer, D. (2023). "How to design virus containment policies? A joint analysis of economic and epidemic dynamics under the COVID-19 pandemic." *Journal of Economic Interaction and Coordination*, *18*(2), 311–370.

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

Harting, P. (2021). "Macroeconomic stabilization and long-term growth: The role of policy design." *Macroeconomic Dynamics*, *25*(4), 924–969.

Harting, P., & Radi, D. (2020). "Residential segregation: The role of inequality and housing subsidies." *Journal of Economic Behavior & Organization*, *178*, 801–819.

Dawid, H., Harting, P., Van der Hoog, S., & Neugart, M. (2019). "Macroeconomics with heterogeneous agent models: Fostering transparency, reproducibility and replication." *Journal of Evolutionary Economics*, *29*(1), 467–538.

Dawid, H., Harting, P., & van der Hoog, S. (2019). "Manager remuneration, share buybacks, and firm performance." *Industrial and Corporate Change*, *28*(3), 681–706.

Dawid, H., Harting, P., & Neugart, M. (2018). "Cohesion policy and inequality dynamics: Insights from a heterogeneous agents macroeconomic model." *Journal of Economic Behavior & Organization*, *150*, 220–255.

Dawid, H., Harting, P., & Neugart, M. (2018). "Fiscal transfers and regional economic growth." *Review of International Economics*, *26*(3), 651–671.

Dawid, H., Harting, P., & Neugart, M. (2014). "Economic convergence: Policy implications from a heterogeneous agent model." *Journal of Economic Dynamics and Control*, *44*, 54–80.

Holcombe, M., Coakley, S., Kiran, M., Chin, S., Greenough, C., Harting, P., et al. (2013). "Large-scale modeling of economic systems." *Complex Systems*, *22*(2), 175–191.

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

Dawid, H., Gemkow, S., Harting, P., & Neugart, M. (2009). "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*, *12*(4), 5.

Dawid, H., Gemkow, S., Harting, P., Kabus, K., Neugart, M., & Wersching, K. (2008). "Skills, innovation, and growth: An agent-based policy analysis." *Jahrbücher für Nationalökonomie und Statistik*, *228*(2-3), 251–275.

Book Chapters

Dawid, H., Harting, P., & Neugart, M. (2021). The role of (de-)centralized wage setting for industry dynamics and economic growth: An agent-based analysis with the Eurace@Unibi model. In H. Dawid & J. Arifovic (Eds.), *Dynamic Analysis in Complex Economic Environments* (pp. 205–230). Springer.

Dawid, H., Gemkow, S., Harting, P., van der Hoog, S., & Neugart, M. (2018). Agent-based macroeconomic modeling and policy analysis: The Eurace@Unibi model. In S.-H. Chen, M. Kaboudan, & Y.-R. Du (Eds.), *The Oxford Handbook of Computational Economics and Finance*. Oxford University Press.

Dawid, H., & Harting, P. (2012). Capturing firm behavior in agent-based models of industry evolution and macroeconomic dynamics. In G. Buenstorf (Ed.), *Applied Evolutionary Economics, Behavior and Organizations* (pp. 103–130). Edward Elgar.

Working Papers

Wang, H., Yi, J., & Harting, P. (2026). "The Heterogeneous Diffusion of AI: Individuals, Organisations, and Adoption Barriers." *GREDEG Working Papers*, *No.2026-16*.

Dawid, H., Harting, P., Wang, H., Wang, Z., & Yi, J. (2025). "Agentic workflows for economic research: Design and implementation." *arXiv preprint arXiv:2504.09736*.

Dawid, H., Harting, P., & Neugart, M. (2024). "Deep Q-Learning of Prices in Oligopolies: The Number of Competitors Matters." *GREDEG Working Papers*, *No.2024-32*.

Harting, P., & Kohlweyer, D. (2018). "Integrating forced migrants in a union of diverging regions: A policy assessment." *ISIGrowth Working Paper*, *No.12-2018*.

Citations

Google Scholar: 1463, h-index 20; Scopus: 500, h-index 12 (September, 2026)

Presentations

Invited Talks

September 2026	"Agent-Based Industry Models", Summer School on Agent-based Modeling, University of Brescia, Italy.
November 2022	Workshop abm4policy, jointly organized by the Bank of England and Sant'Anna School of Advanced Studies, Pisa, Italy
March 2022	Seminar talk, Catholic University of Milan, Italy.
January 2022	Workshop on Product Innovations: Liability, Incentives and Market Dynamics, Center for Interdisciplinary Research (ZiF), Bielefeld.
December 2021	Workshop Research Dialogues on the Complexity of the Energy Transition, University of Brescia, Italy.
November 2021	Seminar talk, University of Brescia, Italy.
July 2019	Seminar talk, TU Darmstadt.
September 2018	Seminar talk, University of Pisa, Italy.
September 2018	10th Workshop on Dynamic Models in Economics and Finance, Urbino, Italy.
November 2017	11th Workshop on Economic Complexity, organized by OFCE-SciencesPo in Sophia Antipolis, France.
March 2016	2nd HenUn/INFER Workshop on Applied Macroeconomics at the Henan University, in Kaifeng, China.
December 2015	Symposium on Agent-based Computational Economics and Big Data Analysis at the National Supercomputer Centre/ Sun Yat-Sen University, in Guangzhou, China.

Conference Talks

Since 2008 I have regularly attended these conferences:
Workshop on Economics with Heterogeneous Interacting Agents (WEHIA); 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) • Catholic University of 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)

Scholarships and Awards

2014	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.
2009-2011	Doctoral scholarship granted by Bielefeld University

Professional Memberships

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

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 • Economic Modelling • 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 • Structural Change and Economic Dynamics.

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

Service to the University

2026	Hiring Committee for Professor Position in Economic Analysis (46.3), Université Côte d'Azur
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
2016-2017	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

Andreas Pitryga (June 2026, Bielefeld University, second supervisor) • Leonardo Ciambezi (November 2025, Université Côte d'Azur, president of the jury) • Dirk Kohlweyer (May 2022, Bielefeld University, member of the committee) • Jasper Hepp (September 2022, Bielefeld University, second supervisor) • Elise Kremer (December 2022, University Paris 1 Panthéon-Sorbonne and Bielefeld University, member of the committee)