

DR. TERRY GREGORY – CURRICULUM VITAE

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Contact Information

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Academic Profile

I am an empirical economist specializing in the economics of digitalization and artificial intelligence, technological change, firms, skills, and labor markets. My research combines applied econometrics, machine-learning-based measurement, and large-scale administrative and web data to study how new technologies affect employment, wages, firm behavior, and inequality. I have published in leading international journals (e.g. *Journal of the European Economic Association*, *Journal of Public Economics*), lead several large third-party-funded research projects, and teach both core economics and specialized courses in Digital Economics, Econometrics, and the Economics of AI.

Academic Appointments

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| 02/2023 – present | Research Associate (tenured), LISER, Luxembourg (90%)
Research lead for the topic “AI and Skills”
Contributing to the strategic development of the Centre of Competence for Data Science and Simulation |
| 11/2018 – 04/2022 | Team Leader “Digital Transformation”, IZA Bonn
Deputy Program Coordinator, IZA Network |
| 07/2015 – present | Senior Researcher, ZEW Mannheim (10%) |
| 03/2015 – 06/2015 | Postdoctoral Researcher, ZEW Mannheim |
| 03/2009 – 02/2015 | Researcher, ZEW Mannheim |

Affiliations

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| 05/2022 – present | Research Fellow, IZA Bonn |
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Education

Ph.D. in Economics (summa cum laude), University of Regensburg, 2015
Supervisors: Joachim Möller, Melanie Arntz
Diplom-Volkswirt (equivalent to M.Sc. in Economics), University of Bonn, 2008
Vordiplom (equivalent to B.Sc. level in Economics), University of Bonn, 2005
Graduate Studies in Economics, Charles University Prague, 2007–2008

Research Interests

Economics of digitalization and artificial intelligence; technological change, firms, and labor markets; digital transformation and skill demand; applied econometrics; machine-learning-based measurement; policy evaluation.

Selected Publications

- AI-Powered Skill Classification: Mapping Technology Intensity in the German Labor Market (with Sabrina Genz and Florian Lehmer), *Fiscal Studies*, forthcoming.
- Frontier Technology Adopters and the Aggregate Decline of Routine Jobs (with Melanie Arntz, Sabrina Genz, Florian Lehmer, and Ulrich Zierahn-Weilage), *Journal of Economic Behavior & Organization*, forthcoming.
- Racing With or Against the Machine? Evidence on the Role of Trade in Europe (with Anna Salomons and Ulrich Zierahn), *Journal of the European Economic Association*, 20(2), 869–906, 2022.
- When the Minimum Wage Really Bites Hard: The Negative Spillover Effect on High-Skilled Workers (with Ulrich Zierahn), *Journal of Public Economics*, 206, 104582, 2022.
- Demographic Change on Regional Labour Markets (with Michael Böhm, Pamela Quadrai and Christian Siegel), *Oxford Review of Economic Policy*, 37(1), 113–131, 2021.
- Revisiting the Risk of Automation (with Melanie Arntz and Ulrich Zierahn), *Economics Letters*, 159, 157–160, 2017.
- Can Regional Employment Disparities Explain the Allocation of Human Capital Across Space? (with Melanie Arntz and Florian Lehmer), *Regional Studies*, 48(10), 1719–1738, 2014.

Working Papers and Papers Under Review

- Mapping Artificial Intelligence: Evidence from Firm-Level Web Data in Europe (with Julio Garbers), IZA Discussion Paper No 18434, Revise & Resubmit, *Research Policy*.
- Minimum Wages and the Rise in Solo Self-Employment (with Ulrich Zierahn-Weilage and Angelika Ganserer), Revise & Resubmit, *ILR Review*.
- Firm-level Technology Adoption in Times of Crisis (with Melanie Arntz, Michael Böhm, Georg Graetz, Florian Lehmer, and Căcilia Lipowski), Revise & Resubmit, *European Economic Review*.
- Impact of Firm-Level Technology Adoption on Workers (with Sabrina Genz and Florian Lehmer), under revision.

Work in Progress (selection)

- Do Minimum Wages Encourage Automation? Evidence from Sectoral Wage Floors in Germany (with Christina Gathmann and Boris Ivanov).
- Evolving Skill Demands in the Age of AI: Evidence from Europe (with Najada Feimi, Christina Gathmann, and David Marguerit).

- The Impact of Artificial Intelligence Adoption on Employment and Productivity in European Firms (with Julio Garbers, Christina Gathmann and David Marguerit)
- Technological Change and Labor Market Transformation: A Historical Analysis from Newspaper Job Advertisements in Luxembourg (with Christina Gathmann and Salvatore Di Salvo).

Selected Third-Party Funding

- Luxembourg Ministry of Higher Education and Research (MESR, 2026–2028), project leader
- European Commission (2024–2026), project member
- LISER Innovation Call (2025–2026), project leader
- German Federal Ministry of Labour and Social Affairs (BMAS, 2021–2024), project leader
- German Research Foundation (DFG, 2016–2021), project leader
- German Federal Ministry of Education and Research (BMBF, 2015–2017), project leader

Teaching Fields

Principles of Economics; Digital Economics; Economics of Artificial Intelligence; Econometrics; Policy Evaluation.

Teaching Experience

Lecturer, University of Luxembourg

Introduction to Econometrics (Bachelor level), 2026

Lecturer, University of Stuttgart

Economics of Artificial Intelligence (Master-level seminar), 2025

Lecturer and Tutor, University of Hohenheim

Economic Analysis of the Digital Economy (Bachelor level), 2023–2024

Lecturer, ZEW Mannheim

Policy Evaluation and Impact Analysis (Professional training), 2015–2017

Introduction to Statistical Impact Analysis (Professional training), 2014

Tutor, University of Bonn

Introduction to Economics (Bachelor level), 2008

PhD Supervision

Accredited Doctoral Supervisor, University of Luxembourg (since 2026)

Dissertation Defence Jury Member, University of Luxembourg, 2026

David Marguerit, *Artificial Intelligence, Skills, and Labor Mobility: Understanding the Transformation of Work*

Dissertation Defence Jury Member, University of Luxembourg, expected 2026

Natella Agikyan, *Human Capital, Gender, and the Green Transition*

PhD Committee Member, Maastricht University, 2026

Nicholas Rounding, *Tasks, Technology and Labor: Empirical Studies on Automation and AI in the Workplace*

Academic Leadership and Service

- Research Lead “AI and Skills”, LISER
- Team Leader “Digital Transformation”, IZA Bonn
- Deputy Program Coordinator, IZA Network
- Organizer of international conferences, workshops, and summer schools (IZA, LISER, TASKS series)
- Referee for major funding agencies (e.g. DFG, KU Leuven, Austrian National Bank, Deutsche Post Foundation)
- Advisory Board Member, European Commission (DG CONNECT)
- Member of scholarship selection committees (DAAD; State of Baden-Württemberg)

Honors and Awards

Best Scientific Publication Award, ZEW Mannheim, 2022

UniCredit Best Paper Award, KU Leuven, 2016

Erasmus Scholarship, 2007–2008

Refereeing Activity

Referee for more than 30 international journals, including *American Economic Review: Insights*, *AEJ: Economic Policy*, *Review of Economics and Statistics*, *Journal of the European Economic Association*, *Economic Journal*, *Journal of Labor Economics*, *Journal of Public Economics*, *Journal of Human Resources*, and *Research Policy*.

Policy Advice and Expert Engagement (Selection)

- Enquete Commission “Artificial Intelligence”, German Bundestag — Public Hearing, Berlin, 2019.
- Federal Ministry of Labour and Social Affairs (BMAS) — Expert Hearing, 2024.
- German Platform Industry 4.0 — Working Group on Labour, Expert Hearing on Education and Training, Berlin, 2016.
- Federal Ministry of Economics and Technology (BMWi) — Expert Hearing, Berlin, 2015.

Selected Invited Talks and Conference Presentations

Presentations at major international conferences including AEA, SOLE, EALE, VfS, and OECD. Keynotes and invited talks at the World Governments Summit, OECD, national ministries, and international organizations.

Invited talks at industry and practitioner-oriented events, including the Industry 4.0 Summit (Austria) and companies such as Heidelberger Druckmaschinen AG.

References

Available upon request.