

Markus Ludwig

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Institute of Economics
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Positions

Since 2019 Professor of Economics (W2, tenured) in "Economics, especially Empirical Economics and Econometrics", TU Braunschweig

Spring/Summer 2019 Parental leave

2016–2019 Postdoc at the University of Bayreuth

2014–2016 Postdoc at the University of Basel

Professional Experience

2023- Department Chair: Department of Business Science, TU Braunschweig

2020-2022 Head of the Institute of Economics, TU Braunschweig

Affiliations

Member of the Research Group on Development Economics of the German Economic Association,
Research Fellow: CESifo, Munich

Education

2009–2014 PhD student at the University of Basel (summa cum laude)

2006–2009 M.A. International Economics, Georg-August-University Göttingen

2002–2006 Diplom (FH) Volkswirt, Nürtingen-Geislingen University

1999–2002 Apprenticeship as bank clerk and employment at the KSK Waiblingen

Publications

Working Papers

“The Dawn of Civilization: Metal Trade and the Urban Revolution”, with Matthias Flückiger, Mario Larch and Luigi Pascali, *CEPR Working Paper DP18767 (revise and resubmit **American Economic Review**)*

“The Structure of Online Social Networks and Social Movements: Evidence from the Black Lives Matters Protests”, with Matthias Flückiger (*revise and resubmit **Journal of Public Economics***)

“The Power of Youth: Political Impacts of the “Fridays for Future” Movement”, with Marc Fabel, Matthias Flückiger, Helmut Rainer, Maria Waldinger, Sebastian Wichert, *CESifo Working Paper No. 9742 (cond. accepted **Nature Human Behavior**, IF 29.9)*

“Climate change, salinization, development and health”, with Hanh My Le

Work in Progress

“Sustainable public mobilization: COVID-19 and the FFF movement”, with Jonas Klärchen

“Gender bias in start-up finance” with Matthias Flückiger, Jonas Klärchen and Hanh My Le

Articles

“Mobile phone coverage and infant mortality in sub-Saharan Africa”, with Matthias Flückiger **Journal of Economic Behavior and Organization**, 211 (2023), 462–485

“Spatial Networks and the Spread of COVID-19: Results and Policy Implications from Germany”, with Matthias Flückiger, **Review of Regional Research**, 43 (2023), 1–27

“Home Bias in International Emissions Trading: Indirect Evidence on Transaction Costs in the EU ETS”, with Beat Hintermann. **Resource and Energy Economics**, 71 (2023)

"Temperature and Child Health in Sub-Saharan Africa", with Matthias Flückiger. **World Development**, 160 (2022)

“Roman Transport Network Connectivity and Economic Integration”, with Matthias Flückiger, Erik Hornung, Mario Larch and Allard Mees. **Review of Economic Studies** 89 (2022), 774–810

“Malaria suitability, urbanization and subnational development in sub-Saharan Africa”, with Matthias Flückiger, **Journal of Urban Economics**, 120 (2020)

"Ebola and State Legitimacy", with Matthias Flückiger and Ali Sina Önder, **Economic Journal**, 129 (2019), 2064–2089

"Transport Infrastructure, Growth and Persistence: The Rise and Demise of the Sui Canal.", with Matthias Flückiger, **Canadian Journal of Economics**, 52 (2019), 624-666

"Geography, Human Capital and Urbanization: A Regional Analysis", with Matthias Flückiger. **Economics Letters** 168 (2018): 10–14

“Youth Bulges and Civil Conflict: Causal Evidence from Sub-Saharan Africa”, with Matthias Flückiger. **Journal of Conflict Resolution** 62 (2018): 1932–1962

“Urbanization, Fertility and Child Education in Sub-Saharan Africa”, with Matthias Flückiger. **Economics Letters** 157 (2017): 97–102

“Malaria Suitability, Urbanization and Persistence: Evidence from China Over More Than 2000 Years”, with Matthias Flückiger. **European Economic Review** 92 (2017): 146–160

“Economic Shocks in the Fisheries Sector and Maritime Piracy”, with Matthias Flückiger. **Journal of Development Economics** 114 (2015): 107-125

“Chinese Export Competition, Declining Exports and Adjustments at the Industry and Regional Level in Europe”, with Matthias Flückiger. **Canadian Journal of Economics** 48(3) (2015): 1120-1151

"An empirical investigation of the determinants of democracy: Trade, aid and the neighbor effect", with S. Csordás. **Economics Letters** 110 (2011): 235-237

Policy Columns/Blogs/Newspapers

“Auf Römischen Pfaden”, *FAZ-Der Volkswirt* (Apr 25th 2022)

“Trägt die Fridays-for-Future-Bewegung zum politischen Klimawandel bei?”, *ifo Schnelldienst* (05/2022)

“How Roman transport network connectivity shapes economic integration” *VoxEU* (Aug 28th 2019)

“How the Ebola crisis affected people’s trust in their governments” *OUPblog* (Aug 18th 2019)

“EFFECTIVE PUBLIC HEALTH RESPONSE BOOSTS TRUST AND STATE LEGITIMACY: evidence from the 2014 Ebola epidemic” Media briefing *Royal Economic Society* (Jul 1st 2019)

Awards

2015 Faculty Prize for best PhD-Thesis in Economics

Teaching

Grundlagen VWL: Mikroökonomie (TU Braunschweig), Advanced Environmental Economics (University of Basel), Resource Economics (University of Basel), Internationale Wirtschaft (TU Braunschweig), Grundlagen der Empirischen Wirtschaftsforschung (TU Braunschweig), Empirische Wirtschaftsforschung II (TU Braunschweig), Geospatial Data in Economics (TU Braunschweig), Quantitative Methods in Economic History (University of Bayreuth), Determinants of Long-run Economic Development (University of Bayreuth), International Development Economics (University of Basel)

Teaching cooperation (e.g., joint thesis supervisions)

Cooperation with various institutes at the TU Braunschweig (e.g., thesis supervision coastal engineering, mathematics, remote sensing)

Ringvorlesung „Bildung für nachhaltige Entwicklung“

Academic Service

Referee for journals

American Economic Review, American Political Science Review, CESIFO Economic Studies, Defence and Peace Economics, Economies, Economic Journal, Energies, Energy Journal International Review of Economics, International Interactions, Journal of African Economics, Journal of Conflict Resolution, Journal of Development Economics, JEEM, Journal of Mathematical Economics, Journal of Peace Research, Journal of Public Economics, Kyklos, Nature Human Behavior, Regional Studies, Research in International Business and Finance

(Co-)Organizer of Workshop and Conferences

2023, 2024 Workshop in Applied Economics für Nachwuchswissenschaftlerinnen und -wissenschaftler, TU BS - Göttingen PhD workshop

2022- Research Seminar (Institute of Economics, TU Braunschweig), Joint Research Workshop (TU Braunschweig, TU Dresden, Leibniz University Hannover)

2022- Short lectures in economics in Braunschweig (Master and PhD level course)

2021 11. Sommerkonferenz der Gesellschaft für Regionalforschung (GfR)

PhD Main Supervisor

2020- Hanh My Le, Jonas Klärchen, Diana Zarbailova

PhD Committee Member, Second Supervisor/Examiner

2020- Tobias Hellmundt (second supervisor, Georg-August University Göttingen), Sandra Achten (second examiner/supervisor, TU Braunschweig) Ilari Määttä (second examiner/supervisor, TU Braunschweig), Dennis Eberling (chair, TU Braunschweig), Christina Greßer (external examiner, University of Bayreuth), Yannick Scherr (chair, TU Braunschweig), Julius Heitmann (chair, TU Braunschweig)

Post-Doc (Habilitation) Committee Member

2020- Dr. Mohsen Afsharian at TU Braunschweig, Dr. Barbara Seegebarth at TU Braunschweig, Dr. Matthias Wichmann at TU Braunschweig

University Service

2020- Member “Studienkommission Wirtschaftsingenieurwesen: Maschinenbau”, member “Studienkommission Wirtschaftsingenieurwesen: Bauingenieurwesen”, Member of various working committees (degree program development)

2020- Member/Chair of various selection committees for professorships (internal and external)

2016-2019 Member of the coordination team “Master of History and Economics”, Bayreuth

2013–2016 Coordinator of the PhD Program in Applied Economics at the University of Basel

2009–2014 Curriculum committee member of the Master in Sustainable Development

Transfer

2019-2026 Braunschweiger Seminar Ökonomie, Politik & Praxis (funded by the Deutsche Bundesbank)

2023- YES! – Young Economic Solutions

Projects and Research Grants

2024- Cooperation Physikalisch Technische Bundesanstalt, TU Dresden (**PI**) „Quality Infrastructure for Trade: Evidence from Central Asia” (175.000 EUR)

2020-2025 DAAD Exchange Program, Fakultät für deutsche Ingenieur- und Betriebswirtschafts-ausbildung (FDIBA) at the TU Sofia (250.000 EUR)

2018 BA/Leverhulme Small Research Grants (3.250 GBP)

2016–2017 Research grant (**PI**): Förderverein of the WWZ (12 months) “Rheinzölle und ihre Auswirkung auf Stadtentstehung und städtische Selbstverwaltung im späten Mittelalter“ (50.000 CHF)

2014–2015 Research grant (**PI**): Förderverein of the WWZ (12 months) “Strommarktliberalisierung und ihre Auswirkung auf Industriesektoren und Investitionen – Eine empirische Analyse auf Firmenebene“ (50.000 CHF)

2014–2015 Research grant (**PI**): Förderverein of the WWZ (18 months) “Wirksamkeit klima- und energiepolitischer Maßnahmen - Eine empirische Analyse“ (100.000 CHF)

2012–2013 Excellence scholarship of the University of Basel (Forschungsfonds) (63.000 CHF)

2010 Research grant (**PI**): Förderverein of the WWZ (12 months) “The Visible Hand: National Oil Companies, Oil Supply and the Emergence of the Hotelling Rent” (50.000 CHF)

Research Visits, Conferences, Panel discussions and Invited Talks

2024 Giga Hamburg, University of Leipzig (scheduled), University of Würzburg, University of York (scheduled), TU Clausthal (scheduled), ZEW Mannheim (scheduled)

2023 University of Bayreuth, invited session VfS (Regensburg), University of Dresden

- 2022 Invitation Entwicklungsökonomischer Ausschuss – Verein für Socialpolitik, ifo Munich, Hannover Research Seminar
- 2021 EcFin SG Research Seminars (Portsmouth), Dresden Research Seminar, Halle Research Seminar
- 2020 *Research visit* CESifo Munich, ifo Lunchseminar, ifo Forschungsseminar
- 2019 Workshop on Geodata and Economics (Hamburg), *cege*-Seminar (Göttingen)
- 2018 Workshop on Geodata and Economics (Braunschweig), EEA Meeting Cologne, Schumpeter Seminar (HU Berlin), Graduiertenseminar (Bayreuth), CIES ECON Seminar (Genf), Environmental and Development Economics seminar (Hamburg)
- 2017 *Research visit* Queen's University Belfast, Development Economics and Policy Conference (Göttingen), Graduiertenseminar (Bayreuth)
- 2016 RES (Brighton), Research Workshop “Empirical Economics” (LMU Munich), Research Seminar “History and Economics” (Bayreuth)
- 2015 11th World Congress of the Econometric Society (Montreal)
- 2014 EEA-ESEM (Toulouse), Econometric Society European Winter Meeting (Madrid)
- 2013 SES (Perth), SMYE (Aarhus), EARE (Toulouse)