

# MARTYNA MARCZAK

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## ACADEMIC POSITIONS

- 2023 – Assistant Professor in Economics, Trinity College Dublin
- 2015 – 2023 Lecturer and postdoctoral researcher (equiv. to Assistant Professor in the US)  
Department of Economics, University of Hohenheim (Stuttgart, Germany)
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## ACADEMIC DEGREES

- 2015 Dr. oec. (equivalent to Ph.D. in Economics), University of Hohenheim  
Dissertation thesis: “Four Essays in the Empirical Analysis of Business Cycles and Structural Breaks” ([Link](#)); First supervisor: Prof. Thomas Beissinger
- 2010 Diploma (equivalent to M.Sc. in Economics), University of Hohenheim
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## RESEARCH VISITS

- Aug. 2024 Federal Reserve Bank of New York
- Aug. 2024 Federal Reserve Bank of Philadelphia
- Sept. 2020 Research Institute for Global Value Chains (RIGVC) in Beijing
- Oct. – Nov. 2013 University of Rome “Tor Vergata” (Prof. Tommaso Proietti)
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## OTHER POSITIONS AND PROFESSIONAL ACTIVITIES

- 2024 – Co-director of the International Macro TCD (IM-TCD) Group (Trinity College Dublin)
- 2024 – Research seminar convenor at the Department of Economics (Trinity College Dublin)
- 2024 – Member of the PhD Program Committee (Trinity College Dublin)
- 2019 – 2023 Mentor of two female doctoral students (Graduate Academy at the University of Hohenheim)
- 2019 – 2021 Coordinator of the interdisciplinary “Humboldt-Reloaded” project (financed by the Federal Ministry of Education and Research) to develop innovative concepts for research-based learning (University of Hohenheim)
- 2013 Member of the appointment committee for the full professorship in Statistics and Econometrics I (University of Hohenheim)

2010/2011	Member of the appointment committee for the full professorship in Statistics and Econometrics II (University of Hohenheim)
2006 – 2010	Student assistant, Chair of Labor and Service Economics, Prof. Thomas Beissinger (University of Hohenheim)
Aug. – Sept. 2009	Internship at IAW (Institute for Applied Economic Research, Tübingen)

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#### AWARDS AND GRANTS

2024	Grant from the Arts and Social Sciences Benefactions Fund at Trinity College Dublin to support research
2019	Grant for the research visit at the Research Institute for Global Value Chains (RIGVC) in Beijing, financed from the project CHIKOH (“China Competence in Hohenheim”) with the funds of the Federal Ministry of Education and Research
2016	Award of the employers’ federation Südwestmetall for the best dissertation thesis (prize of 5,000 Euro)
2016	“Young Researcher Best Paper Award” of the Faculty of Business, Economics and Social Sciences at the University of Hohenheim
2014	Grant awarded by Eurostat for the research paper “EuroMind-D: A Density Estimate of Monthly Gross Domestic Product for the Euro Area”– part of the main project “Database management and research activities related to the production of Principle European Economic Indicators”
2010	Award of the employers’ federation Südwestmetall for the best diploma thesis (prize of 5,000 Euro)

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#### ARTICLES IN REFEREED JOURNALS

- A New Sectoral Unit Labor Cost Indicator Based on Global Value Chains (with Thomas Beissinger). *Applied Economics Letters*, 29(13), 1152–1157, 2022.
- A Class of Periodic Trend Models for Seasonal Time Series (with Tommaso Proietti and Gian Luigi Mazzi). *Journal of Forecasting*, 38, 106–121, 2019.
- Illuminating the World Cup Effect: Night Lights Evidence from South Africa (with Gregor Pfeifer and Fabian Wahl). *Journal of Regional Science*, 58, 887–920, 2018.\*
- A Data-Cleaning Augmented Kalman Filter for Robust Estimation of State Space Models (with Tommaso Proietti and Stefano Grassi). *Econometrics and Statistics*, 5, 107–123, 2018.
- EuroMind-D: A Density Estimate of Monthly Gross Domestic Product for the Euro Area (with Tommaso Proietti and Gian Luigi Mazzi). *Journal of Applied Econometrics*, 32, 683–703, 2017.
- Monthly Business Cycle Indicators: A New Multivariate Approach Based on a Band-Pass Filter (with Víctor Gómez). *Empirical Economics*, 52, 1379–1408, 2017.
- Bidirectional Relationship between Investor Sentiment and Excess Returns: New Evidence from the Wavelet Perspective (with Thomas Beissinger). *Applied Economics Letters*, 23(18), 1305–1311, 2016.
- Outlier Detection in Structural Time Series Models: The Indicator Saturation Approach (with Tommaso Proietti). *International Journal of Forecasting*, 32(1), 180–202, 2016.\*

- Cyclicalities of Real Wages in the USA and Germany: New Insights from Wavelet Analysis (with Víctor Gómez). *Economic Modelling*, 47, 40–52, 2015.\*
- Real Wages and the Business Cycle in Germany (with Thomas Beissinger). *Empirical Economics*, 44, 469–490, 2013.\*

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#### RECENT DISCUSSION PAPERS AND OTHER

- Technical Change, Task Allocation, and Labor Unions (with Thomas Beissinger and Franziska Brall). IZA Discussion Paper No. 15632, 2022. *Under review at Journal of Economic Dynamics and Control.*
- Divergence in Labour Force Growth: Should Wages and Prices Grow Faster in Germany? (with Thomas Beissinger and Joël Hellier). IZA Discussion Paper No. 13538, 2020.
- Competitiveness at the Country-Sector Level: New Measures Based on Global Value Chains (with Thomas Beissinger). IZA Discussion Paper No. 11499, 2018. *Revise & Resubmit at The World Economy.*
- SPECTRAN, a Set of Matlab Programs for Spectral Analysis (with Víctor Gómez). FZID Discussion Paper No. 60, 2012.
- Maßnahmen zur Förderung der Chancengleichheit sowie Frauen in Führungspositionen in baden-württembergischen Betrieben (with Günther Klee). IAW-Kurzbericht No. 5, December 2009.

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#### WORK IN PROGRESS

- Automation threat and wage setting of labor unions
- Generosity of the welfare state and market power: effects on task composition and unemployment
- Automation, wage inequality, and labor unions in frictional labor markets
- Automation, gender, and the role of social skills: theory and empirical evidence for Germany

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#### REFEREE FOR:

Journal of the Royal Statistical Society, Empirical Economics, Economic Modelling, Journal of Business Cycle Measurement and Analysis, Journal of Business Cycle Research, Review of Development Economics, Structural Change and Economic Dynamics, Journal of Labor Market Research, Swiss Journal of Economics and Statistics, Working Paper series of the Czech National Bank

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#### PRESENTATIONS

- 2024 Royal Economic Society (Belfast, UK); Society of Labor Economists (Portland, US); Seminar at the Federal Reserve Bank of Philadelphia (US)
- 2023 Seminar at the University College Dublin (Ireland); Seminar at the Federal Reserve Board (Washington, DC, US); Annual Congress of the French Economic Association (Paris), Warsaw International Economic Meeting (Poland)

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\*Article with at least 20 citations; source: *Google Scholar*

- 2022 FIW Research Conference in International Economics (Vienna, Austria); Canadian Economics Association Conference (Ottawa); Warsaw International Economic Meeting (Poland); Annual Congress of the German Economic Association (Basel, Switzerland)
- 2021 Asian Meeting of the Econometric Society (Miri, Malaysia)
- 2019 Research Seminar at the Research Institute for Global Value Chains (RIGVC; Beijing, China); Asian Meeting of the Econometric Society (Xiamen, China); ESCoE Conference on Economic Measurement (London, UK)
- 2018 Asian and Australasian Society of Labour Economics (AASLE) Conference (Seoul, South Korea); European Trade Study Group (Warsaw, Poland); China Meeting of the Econometric Society (Shanghai); Research Seminar at the University of Tübingen (Germany)
- 2017 11th CFE Conference (London, UK); European Meeting of the Econometric Society (Lisbon, Portugal); International Conference on Econometrics and Statistics (Hong Kong)
- 2016 Annual Congress of the German Economic Association (Augsburg, Germany); Asian Meeting of the Econometric Society (Kyoto, Japan); Warsaw International Meeting (Poland); Fin-dEcon Conference (Lodz, Poland)
- 2015 9th CFE Conference (London, UK); NBP Workshop on Forecasting at the National Bank of Poland (Warsaw, Poland); Annual Congress of the German Economic Association (Münster, Germany), Warsaw International Meeting (Poland), International Association for Applied Econometrics—IAAE (Thessaloniki, Greece); 19th ICMAIF (Rethymno, Greece)
- 2014 Annual Congress of the German Economic Association (Hamburg, Germany); Warsaw International Meeting (Poland); International Symposium on Forecasting (Rotterdam, Netherlands); 18th ICMAIF (Rethymno, Greece)
- 2013 7th CFE–ERCIM conference (London, UK); PhD Seminar at the University of Rome “Tor Vergata” (Italy); Warsaw International Meeting (Poland); 17th ICMAIF (Rethymno, Greece); Doctoral Workshop at the University of Hohenheim (Germany)
- 2012 PhD Workshop at the University of Hohenheim (Germany); Warsaw International Meeting (Poland); Scottish Economic Society Conference (Perth, Scotland); FAU/IAB Seminar “Macroeconomics and Labor Markets” (Nürnberg, Germany)
- 2011 Workshop on Frequency Domain Research in Macroeconomics and Finance at the Bank of Finland; PhD Workshop at the University of Hohenheim (Germany); 16th Congress of IEA (Beijing, China); 15th ICMAIF (Rethymno, Greece)
- 2010 ifo Workshop “Makroökonomik und Konjunktur” (Dresden, Germany); IWH–IAB Workshop “Lohnpolitik nach der Krise” (Halle, Germany); Annual Congress of the German Economic Association (Kiel, Germany); Warsaw International Meeting (Poland)

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## TEACHING EXPERIENCE

### **Trinity College Dublin**

- ECP77002: Econometrics II – Time Series (MSc)
- ECP77604: Macroeconomics of Labor Markets (MSc and PhD)
- ECU44171: Advanced Econometrics – Time Series (4th year BSc)
- ECU33011: Economic Analysis A (3rd year BSc)
- ECU33051: Investment Analysis A (3rd year BSc)

- Supervision of Capstone projects (Bachelor dissertations) and Master dissertations

## University of Hohenheim

*M.Sc. degree program in Economics, in English:*

- Advanced Macroeconomics
- Macroeconomics of Unemployment
- Labor Supply, Immigration and Wage Inequality
- Optimization in Economic Theory
- Supervision of master theses
- Supervision of seminar papers (major Labor Economics)

*B.Sc. degree programs, in German:*

- Macroeconomics (Economics), in German
- Macroeconomics (Communication Studies), in German
- Microeconomics (Communication Studies), in German
- Supervision of bachelor theses
- Supervision of research-based projects conducted by undergraduate students as a part of “Humboldt Reloaded” project (funded by the Ministry of Education and Research)

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## MEDIA

- Divergence in Labour Force Growth in Open Economies: Should Wages and Prices Grow Faster in Germany? (with Thomas Beissinger and Joël Hellier, in German): [Contribution for \*Ökonomenstimme\*](#) (web platform for German speaking economists similar to VoxEU)
- Illuminating the World Cup Effect: Night Lights Evidence from South Africa (with Gregor Pfeifer and Fabian Wahl): [Press release of the University of Hohenheim](#), [Sunday Times](#), [Sci-Braai](#), [htxt.africa](#)

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## SOFTWARE PACKAGES

Matlab toolbox SPECTRAN for spectral analysis, available at:

<http://www.martynamarczak.com/code>

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## COMPUTER SKILLS

Python, R, Matlab, Mathematica, Maple, Stata, Eviews, Ox, STAMP,  $\LaTeX$ , Microsoft Office, Django Web Development Framework, HTML and CSS

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## LANGUAGES

Polish (native), German (fluent), English (fluent)

October 2024