

# MARTYNA MARCZAK

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## ACADEMIC POSITIONS

- 2023 – Assistant Professor in Economics, Trinity College Dublin
- 2015 – 2023 Lecturer and postdoctoral researcher (equivalent to Assistant Professor),  
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

- Sept. 2020 Research visit, Research Institute for Global Value Chains (RIGVC) in Beijing
- Oct. – Nov. 2013 Research visit, University of Rome “Tor Vergata” (Prof. Tommaso Proietti)

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## OTHER ACTIVITIES

- Since 2019 Mentoring of two female doctoral students (Graduate Academy at the University of Hohenheim)
- 2019-2021 Collaboration with other academics from University of Hohenheim within the interdisciplinary “Humboldt-Reloaded” project (financed by the Federal Ministry of Education and Research) to develop innovative concepts for research-based learning
- 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

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

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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.
- 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

- Pass-through of labor costs to prices and the role of global value chains in the explanation of inflation dynamics
- Automation threat and wage setting of labor unions
- 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

- 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)
- 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); FinEcon 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**

- ECU33011: Economic Analysis A (3rd year undergraduate module)
- ECU33051: Investment Analysis A (3rd year undergraduate module)

### **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](#), [SciBraai](#), [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, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office, Django Web Development Framework, HTML and CSS

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#### LANGUAGES

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

Last update: September 2023