

Alexander Hempfing

Curriculum Vitae

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Learning is like rowing against the current. As soon as you stop, you drift back again. | Xúnzǐ

Education

- 01/2018–01/2021 **Doctor rerum politicarum**, *University of Bamberg, Bamberg, Germany.*
Bamberg Doctoral Research Group on Behavioral Macroeconomics (BaGBeM)
- 04/2015–09/2017 **Master of Science**, *University of Bamberg, Bamberg, Germany.*
Major in International and Empirical Economics
- 10/2010–03/2015 **Bachelor of Arts**, *Hochschule Augsburg (UAS), Augsburg, Germany.*
Major in Supply Chain Management
- 02/2014–07/2014 **Exchange semester**, *Shandong University, Jinan, China.*
Major in Chinese Economy and Mandarin
- 02/2013–06/2013 **Exchange semester**, *HEG Genève, Geneva, Switzerland.*
Major in Commodity Trading

Professional Experience

- 09/2020–today **Policy Adviser**, *European Parliament, Brussels, Belgium.*
Policy Adviser (APA) in function group II for a grouping of 18 MEPs, the PKM Europe. Drafting and advisory duties on current issues. Monitoring and evaluating initiatives of the European Commission relevant to small and medium-sized enterprises, SMEs.
- 07/2019–09/2020 **Lecturer**, *Euro-FH University of Applied Sciences, Hamburg, Germany.*
In the course of my work at the Fraunhofer Institute, Lecturer for the introductory seminar of the Master's program Logistics and Supply Chain Management.
- 01/2018–09/2020 **Research Associate**, *Fraunhofer IIS, Nuremberg, Germany.*
Research Associate within the Analytics division conducting market analysis and supporting as well as managing several industry and research projects driving the institute's vision of how to recognize and master future trends.
- 10/2017–01/2018 **Project Manager**, *MTU Aero Engines AG, Munich, Germany.*
Coordinator of fifteen Supply Chain Management Logistics 4.0 initiatives of MTU Aero Engines AG. Functioning as the interface between Project Managers in charge and the management level and higher-level resorts.

Extracurricular Activities

- 07/2020–today **Reviewer**, *Financial Innovation (FIN)*.
Two-time reviewer for Financial Innovation (FIN), a journal belonging to the SpringerOpen portfolio of the academic publishing company Springer Nature.
- 12/2017–09/2020 **Treasurer and Board Member**, *Studenteninitiative für Kinder Bamberg e.V.*
Pro bono tutoring of children whose parents cannot effort private tutoring.
- 05/2016–03/2017 **Tutor**, *National Model United Nations*, Bamberg, Germany.
Tutor supporting the organization for NMUN NY 2017.
- 10/2015–03/2016 **Head Delegate**, *National Model United Nations*, Bamberg, Germany.
Head Delegate organizing the preparation for NMUN NY 2016.

Awards and Scholarships

- 11/2017 **Ph.D. Scholarship**, *Hans-Böckler-Foundation*.
Full three year Ph.D. scholarship from the Hans-Böckler-Foundation for outstanding academic performances and sociopolitical dedication.
- 03/2016 **Internship Grant**, *German Academic Exchange Service (DAAD)*.
Short-term Internship Grant for my internship at the European Parliament in March and April 2016.
- 10/2015 **Thesis Award 2015**, *Bundesvereinigung Logistik (BVL) e.V.*
Thesis Award 2015 for my Bachelor thesis within the Supply Chain Management department at the Airbus Group.

Computer Skills and Languages

- Scientific Python, Mathematica, Gephi, R Studio, ArcGIS
- Data bases Bloomberg Terminal, Capital IQ, Amadeus, Factiva, Genios
- Others \LaTeX , Microsoft Office, SAP NetWeaver (BW)
- Languages German (native), English (fluent), French (moderate), Russian (basic), Mandarin (basic)

Doctoral Thesis

- Title **Essays on Aggregate Fluctuations, Network Dynamics and Statistical Regularities in Economics**
- Supervisors Prof. Mishael Milaković, Ph.D., Prof. Dr. Christian Proaño, Prof. Dr. Frank Westerhoff
- Description The individual behavior of economic entities, such as agents, firms or industries, and their interaction in markets may create complex economic dynamics and regularities in the aggregate. This doctoral thesis seeks to demonstrate how, and under which conditions, such dynamics may arise, leading to and explaining certain cyclicities in macroeconomic fluctuations, tie formation processes in economic networks and persistent distributional properties in foreign exchange and virtual currency markets.

Working Papers and Publications

- Article **An Empirical Model of Buyer-Supplier Matching in Dynamic Trade Networks**, with Philipp Mundt, University of Bamberg, forthcoming.
- Article **A Meso-economic Aggregation Rule for Microeconomic Shocks**, with Jan Schulz and Mishael Milaković, University of Bamberg, forthcoming.
- Article **Disentangling Growth: From Business Cycle Comovement and Higher-Order Linkages in Europe**, with Jan Schulz and Mishael Milaković, University of Bamberg, forthcoming.
- Chapter **Trading in Times of Sanctions and Protectionism**, Contribution to the book »*Russia 4.0*«, Christian Altmann (Ed.), Springer Science+Business Media, forthcoming.
- Chapter **Auswirkung der COVID-19 Pandemie auf Fachkräfte und Teilmärkte der Logistik**, with Martin Schwemmer, Contribution to the study »*TOP 100 der Logistik 2020/2021*«, Alexander Pflaum (Ed.), forthcoming, [↗](#).
- Chapter **Fachkräftemangel in der Logistik: Entwicklung der Beschäftigung in der Logistik**, with Mirjam Opitz and Martin Schwemmer, Jahrbuch Logistik (2020): 84-87. [↗](#).
- Article **What's left after the hype? An empirical approach comparing the distributional properties of traditional and virtual currency exchange rates**, PLoS ONE 14(7): e0220070. [↗](#).
- White Paper **Fachkräftemangel in der Logistik. Vermessung, Struktur und Handlungsfelder.**, with Martin Schwemmer, Alexander Pflaum and Roland Fischer (Eds.), Fraunhofer Verlag (2019).[↗](#).
- Chapter **Aktuelle Vermessung der Logistikwirtschaft in Deutschland**, with Martin Schwemmer, Contribution to the study »*TOP 100 der Logistik 2018/2019*«, Alexander Pflaum (Ed.), DVV Media Group (2018): 37-66, [↗](#).
- Article **Deutsche Chemielogistik im Fokus**, with Martin Schwemmer, CHEManager(2017):3-4, [↗](#).

Conference Contributions, Courses and Workshops

- 01/2020 **International School and Conference on Network Science**, *Tokio, Japan*. Presenting preliminary results of the working paper *Disentangling Growth: From Business Cycle Comovement and Higher-Order Linkages in Europe*.
- 10/2019 **Bavarian Graduate Program in Economics (BGPE) course on Academic Writing**, *Muggendorf, Germany*.
One week course with a special emphasis on academic writing and journal analysis.
- 09/2019 **Bavarian Graduate Program in Economics (BGPE) course on Advanced Macroeconomics**, *Muggendorf, Germany*.
One week course with a special emphasis on macroeconomic modeling of household behavior and household heterogeneity.

- 09/2019 **Summer School on Complexity Economics, Behavioral Economics and Data Science**, *Ruhr-University Bochum, Germany*.
Multi-day course learning about Complexity Economics and Agent-Based Modeling (ABM) in Behavioral Economics and Data Science.
- 06/2019 **2nd Behavioral Macroeconomics Workshop: Heterogeneity and Expectations in Macroeconomics and Finance**, *Bamberg, Germany*.
Poster session presenting preliminary results of the working paper *A Meso-economic Aggregation Rule for Microeconomic Shocks*. Member of the organizing committee.
- 03/2019 **1st Complexity Science Hub Vienna Winter School**, *Obergurgl University Center, Austria*.
One week course learning about complex systems, networks and computational social science held by internationally renowned complexity scientists.
- 10/2018 **22nd FMM Conference**, *Berlin, Germany*.
Presenting preliminary results of the working paper *A Meso-economic Aggregation Rule for Microeconomic Shocks*.
- 10/2018 **6th Annual GENED Meeting**, *University of Kiel, Germany*.
Presenting preliminary results of the working paper *A Meso-economic Aggregation Rule for Microeconomic Shocks*.
- 09/2018 **7th Workshop on Networks in Economics and Finance**, *IMT Lucca, Italy*.
Poster session presenting preliminary results of the working paper *A Meso-economic Aggregation Rule for Microeconomic Shocks*.
- 06/2018 **1st Behavioral Macroeconomics Workshop: New Approaches to Macro-Financial Instability and Inequality**, *University of Bamberg, Germany*.
Member of the organizing committee.
- 06/2017 **Summer School in Economic Networks**, *University of Oxford, England*.
One week course learning about the techniques, applications and impact of network theory in economics and development.