Dr. Noemi Schmitt

Curriculum Vitae

University of Bamberg
Feldkirchenstrasse 21
96045 Bamberg, Germany
☎ *+49 (951) 863-2748*
✉ *noemi.schmitt@uni-bamberg.de*

Personal Information

Born April 3rd 1988 in Fürth, Germany

Citizenship German

Academic Career

since 06/2018 **Postdoc ("Akademische Rätin auf Zeit")**, *Department of Economics*, University of Bamberg.

10/2012 – 05/2018 **Research & Teaching Assistant**, *Department of Economics*, University of Bamberg.

10/2008 – 10/2012 **Student Assistant**, *Department of Mathematical Economics*, University of Bamberg.

Education

10/2012 – 04/2018 **Ph.D. in Economics ("summa cum laude")**, University of Bamberg.

10/2010 – 10/2012 **M.Sc. in Business Administration**, *Focus on Finance*, University of Bamberg.

10/2007 – 08/2010 **B.Sc. in Business Administration**, *Focus on Finance*, University of Bamberg.

08/2009 – 01/2010 **Semester abroad**, Corvinus University of Budapest.

Awards

07/2020 **Preis für gute Lehre**, *Institute of Economics, University of Bamberg*.

11/2018 **Kulturpreis Bayern**, *best dissertation of the University of Bamberg*.

Research Interests

Financial Markets, Economic Dynamics, Market Stability, Economic Policy, Behavioral Economics, Monetary Economics, Computational Economics, Empirical Economics.

Publications

Trend followers, contrarians and fundamentalists: explaining the dynamics of financial markets, *with Frank Westerhoff*, Journal of Economic Behavior & Organization (2021), forthcoming.

Heterogeneous expectations and asset price dynamics, Macroeconomic Dynamics 25 (2021), 1538-1568.

Heterogeneous expectations, housing bubbles and tax policy, *with Carolin Martin and Frank Westerhoff*, Journal of Economic Behavior & Organization 183 (2021), 555-573.

Necessary and sufficient conditions for the roots of a cubic polynomial and bifurcations of codimension-1, -2, -3 for 3D maps, *with Laura Gardini, Iryna Sushko, Fabio Tramontana and Frank Westerhoff*, Journal of Difference Equations and Applications 27 (2021), 557-578.

Pricking asset market bubbles, *with Frank Westerhoff*, Finance Research Letters 38 (2021), 101441.

Speculative housing markets and rent control: insights from nonlinear economic dynamics, *with Frank Westerhoff*, Journal of Economic Interaction and Coordination (2020), forthcoming.

Heterogeneous speculators and stock market dynamics: a simple agent-based computational model, *with Ivonne Schwartz and Frank Westerhoff*, The European Journal of Finance (2020), forthcoming.

Nonlinear asset-price dynamics and stabilization policies, *with Fabio Tramontana and Frank Westerhoff*, Nonlinear Dynamics 102 (2020), 1045-1070.

Housing markets, expectation formation and interest rates, *with Carolin Martin and Frank Westerhoff*, Macroeconomic Dynamics (2020), forthcoming.

Stability conditions for three-dimensional maps and their associated bifurcation types, *with Marji Lines and Frank Westerhoff*, Applied Economics Letters 27 (2020), 1056-1060.

Short-run momentum, long-run mean reversion and excess volatility: An elementary housing market model, *with Frank Westerhoff*, Economics Letters 176 (2019), 43-46.

Steady states, stability and bifurcations in multi-asset market models, *with Roberto Dieci and Frank Westerhoff*, Decisions in Economics and Finance 41 (2018), 357-378.

Interactions between stock, bond and housing markets, *with Roberto Dieci and Frank Westerhoff*, Journal of Economic Dynamics & Control 91 (2018), 43-70.

Market entry waves and volatility outbursts in stock markets, *with Ivonne Blaurock and Frank Westerhoff*, Journal of Economic Behavior & Organization 153 (2018), 19-37.

Stability and welfare effects of profit taxes within an evolutionary market interaction model, *with Jan Tuinstra and Frank Westerhoff*, Review of International Economics 26 (2018), 691-708.

Evolutionary competition and profit taxes: market stability versus tax burden, *with Frank Westerhoff*, Macroeconomic Dynamics 22 (2018), 2007-2031.

On the bimodality of the distribution of the S&P500's distortion: empirical evidence and theoretical explanations, *with Frank Westerhoff*, Journal of Economic Dynamics & Control 80 (2017), 34-53.

Heterogeneity, spontaneous coordination and extreme events within large-scale and small-scale agent-based financial market models, *with Frank Westerhoff*, Journal of Evolutionary Economics 27 (2017), 1041-1070.

Side effects of nonlinear profit taxes in an evolutionary market entry model: abrupt changes, coexisting attractors and hysteresis problems, *with Jan Tuinstra and Frank Westerhoff*, Journal of Economic Behavior & Organization 135 (2017), 15-38.

Herding behavior and volatility clustering in financial markets, *with Frank Westerhoff*, Quantitative Finance 17 (2017), 1187-1203.

Stock market participation and endogenous boom-bust dynamics, *with Frank Westerhoff*, Economics Letters 148 (2016), 72-75.

Managing rational routes to randomness, *with Frank Westerhoff*, Journal of Economic Behavior & Organization 116 (2015), 157-173.

Speculative behavior and the dynamics of interacting stock markets, *with Frank Westerhoff*, Journal of Economic Dynamics & Control 45 (2014), 262-288.

Book Chapters

Market interactions, endogenous dynamics and stabilization policies, *with Jan Tuinstra and Frank Westerhoff*, In: Commendatore, P., Kubin, I., Bougheas, S., Kirman, A., Kopen, M. and Bischi, G.I (eds.): The Economy as a Complex Spatial System. Springer (2017), Berlin, 137-152.

Working Papers

Currency manipulation and currency wars: analyzing the dynamics of competitive central bank interventions, *with Laura Gardini, Davide Radi, Iryna Sushko and Frank Westerhoff*, University of Bamberg.

Boom-bust cycles and asset market participation waves: momentum, value, risk and herding, *with Roberto Dieci and Frank Westerhoff*, Working Paper, University of Bamberg.

Work in Progress

Market interactions, trade barriers and endogenous dynamics: A game theoretic approach, *with Jan Tuinstra and Frank Westerhoff*.

Investors' participation and asset market interlinkages: a simple evolutionary approach, *with Roberto Dieci and Frank Westerhoff*.

Exchange rate dynamics and central bank interventions: on the (de)stabilizing nature of targeting long-run fundamental interventions, *with Laura Gardini, Davide Radi, Iryna Sushko and Frank Westerhoff*.

Currency manipulation and currency wars: analyzing the dynamics of competitive central bank interventions, *with Laura Gardini, Davide Radi, Iryna Sushko and Frank Westerhoff*.

Financial Market Dynamics under Misinformation, *with Philipp Zhang and Frank Westerhoff*.

A medium-scale agent-based financial market model: explaining the dynamics of financial markets, *with Ivonne Schwartz and Frank Westerhoff*.

Presentations and Conferences

07/2019 **The 25th International Conference on Computing in Economics and Finance (CEF)**, Ottawa, Canada.

07/2019 **The 24th Annual Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA)**, London, England.

06/2019 **Second Behavioral Macroeconomics Workshop: Heterogeneity and Expectations in Macroeconomics and Finance**, Bamberg, Germany.

10/2018 **The 6th Meeting of the German Network for New Economic Dynamics (GENED)**, Kiel, Germany.

06/2018 **The 23rd Annual Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA)**, Tokyo, Japan.

06/2017 **The 23rd International Conference on Computing in Economics and Finance (CEF)**, New York City, United States of America.

10/2016 **The 4th Meeting of the German Network for New Economic Dynamics (GENED)**, Bamberg, Germany.

06/2016 **The 22nd International Conference on Computing in Economics and Finance (CEF)**, Bordeaux, France.

05/2016 **The GeComplexity Conference (The final conference of the COST Action)**, Heraklion, Greece.

05/2016 **Workshop on Complexity Economics and Macroeconomic Dynamics**, Hamburg, Germany.

06/2015 **The 21st International Conference on Computing in Economics and Finance (CEF)**, Taipei, Taiwan.

05/2015 **The 20th Annual Workshop on Economic Science with Heterogeneous Interacting Agents (WEHIA)**, Sophia Antipolis, France.

09/2014 **The 2nd Meeting of the German Network for New Economic Dynamics (GENED)**, Darmstadt, Germany.

06/2014 **The 20th International Conference on Computing in Economics and Finance (CEF)**, Oslo, Norway.

04/2014 **GENED Workshop and School on Networks in Finance and Macroeconomics**, Kiel, Germany.

09/2013 **The 1st Meeting of the German Network for New Economic Dynamics (GENED)**, Bielefeld, Germany.

07/2013 **The 8th International Conference on Nonlinear Economic Dynamics (NED)**, Siena, Italy.

Training Schools, Courses and Workshops

05/2019 **Research Workshop on "Bounded Rationality in Macroeconomic Models"**, *by Domenico Massaro*, Bamberg, Germany.

07/2017 **Summer School in Economics and Finance**, *by the Association for Mathematics Applied to Social and Economic Sciences (A.M.A.S.E.S.)*, Alba di Canazei, Italy.

07/2017 **Research Workshop on "Nonlinear Dynamical Systems: Methods and Estimation Techniques"**, *by Reiner Franke*, Bamberg, Germany.

10/2016 **Course on "Behavioral Rationality and Heterogeneous Expectations in Complex Economic Systems"**, *by Cars Hommes*, Bamberg, Germany.

09/2015 **Training School on "Qualitative Theory of Dynamical Systems, Tools and Applications"**, *by the European Cooperation in Science and Technology (COST)*, Urbino, Italy.

06/2015 **Workshops on "Agent-Based Modeling in Economics and Finance" and "Complex Economic Systems in Macro and Finance"**, *by Murat Yildizoglu and Cars Hommes*, Taipei, Taiwan.

03/2014 **Ph.D. course on "Advanced Econometrics"**, *by Jeffrey Woolridge*, Muggendorf, Germany.

02/2014 **Training School on "Complex Networks and Dynamics"**, *by the European Cooperation in Science and Technology (COST)*, Madrid, Spain.

Refereeing

American Journal of Agricultural Economics, Chaos, Solitons & Fractals, Decisions in Economics and Finance, Economics: The Open-Access, Open-Assessment E-Journal, Journal of Economic Behavior & Organization (4x), Journal of Economic Dynamics & Control (3x), Journal of Economic Interaction and Coordination, Journal of Evolutionary Economics, Macroeconomic Dynamics and Mathematics.

Teaching Experience

Undergraduate level

Macroeconomics II, Lectures and Tutorials, about 250 students per semester, SS 2014, WS 2014, SS 2015, SS 2016, SS 2017, SS 2018, University of Bamberg.

Empirical Macroeconomics, Lectures and Tutorials, about 30 students per semester, WS 2012, SS 2013, WS 2013, SS 2014, WS 2014, WS 2015, WS 2016, University of Bamberg.

Current Issues in European Economic Policy, Seminar, about 20 students per semester, WS 2012, WS 2013, WS 2015, University of Bamberg.

Mathematics for Economists I, Tutorials, about 50 students per semester, WS 2008, SS 2009, SS 2010, WS 2010, SS 2011, WS 2011, SS 2012, University of Bamberg.

Mathematics for Economists II, Tutorials, about 50 students per semester, WS 2008, SS 2009, SS 2010, WS 2010, SS 2011, WS 2011, SS 2012, University of Bamberg.

Graduate level

Economic Dynamics, Lectures and Tutorials, about 30 students per semester, SS 2019, SS 2020, SS 2021, University of Bamberg.

Dynamics of Financial Markets, Tutorials, about 30 students per semester, WS 2016, WS 2017, WS 2018, WS 2019, WS 2020, University of Bamberg.

University Services

Member of Chair Search Committee, University of Bamberg.

Computer Skills

Scientific Mathematica, E&F Chaos, EViews, STATA

Other LaTeX, Microsoft Office

Noemi Schmitt
Bamberg, October 4, 2021