

# Noemi Schmitt

## Curriculum Vitae

University of Bamberg  
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### Personal Information

Born April 3rd 1988 in Fürth, Germany  
Citizenship German

### Education

since 10/2012 **Ph.D. student in Economics**, Supervisor: Prof. Dr. Frank Westerhoff, 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, Hungary.

### Research Interests

Primary Agent-based modeling, Dynamics of financial markets, Market interactions.  
Secondary Nonlinear dynamics, Heterogeneous agents, Bounded rationality, Market instabilities.

### Publications

**Stability and welfare effects of profit taxes within an evolutionary market interaction model**, with Jan Tuinstra and Frank Westerhoff, *Review of International Economics* (2017), in press.

**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* (2017), in press.

**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.

**Evolutionary competition and profit taxes: market stability versus tax burden**, with Frank Westerhoff, *Macroeconomic Dynamics* (2016), in press.

**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.

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## Working Papers

**Interactions between stock, bond and housing markets**, with Roberto Dieci and Frank Westerhoff, Working Paper, University of Bamberg.

**Market interactions, endogenous dynamics and stabilization policies**, with Jan Tuinstra and Frank Westerhoff, Working Paper, University of Bamberg.

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## Work in Progress

**Market entry waves and volatility outbursts in stock markets**, with Ivonne Blaurock and Frank Westerhoff.

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

**The model by Brock and Hommes: a heterogeneous agents perspective.**

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## Presentations and Conferences

- 06/2017 **The 23rd International Conference on Computing in Economics and Finance (CEF)**, Presentation on "Market entry waves and volatility outbursts in stock markets", 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)**, Presentation on "Side effects of nonlinear profit taxes in an evolutionary market entry model: abrupt changes, coexisting attractors and hysteresis problems", Bordeaux, France.
- 05/2016 **The GeComplexity Conference (The final conference of the COST Action)**, Presentation on "Evolutionary competition and profit taxes: market stability versus tax burden", Heraklion, Greece.
- 05/2016 **Workshop on Complexity Economics and Macroeconomic Dynamics**, Presentation on "Evolutionary competition and profit taxes: market stability versus tax burden", Hamburg, Germany.
- 06/2015 **The 21st International Conference on Computing in Economics and Finance (CEF)**, Presentation on "Evolutionary competition and profit taxes: market stability versus tax burden", Taipei, Taiwan.
- 05/2015 **The 20th Workshop on the 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)**, Presentation on "Managing rational routes to randomness", Oslo, Norway.
- 04/2014 **GENED Workshop and School on Networks in Finance and Macroeconomics**, Presentation on "A medium-scale agent-based financial market model", Kiel, Germany.
- 09/2013 **The 1st Meeting of the German Network for New Economic Dynamics (GENED)**, Presentation on "Speculative behavior and the dynamics of interacting stock markets", Bielefeld, Germany.

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

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## Training Schools, Courses and Workshops

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.

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## Refereeing

*American Journal of Agricultural Economics*, (1x).

*Journal of Economic Behavior & Organization*, (1x).

*Journal of Economic Dynamics & Control*, (2x).

*Journal of Evolutionary Economics*, (1x).

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## Teaching Experience

since 10/2016 **Dynamics of Financial Markets**, Graduate level, University of Bamberg.

since 04/2013 **Macroeconomics**, Undergraduate level, University of Bamberg.

since 10/2012 **Econometrics**, Undergraduate level, University of Bamberg.

10/2008 – 08/2012 **Mathematics for Economists**, Undergraduate level, University of Bamberg.

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## Working Experience

since 10/2012 **Research & Teaching Assistant**, Chair of Economic Policy, Prof. Dr. Frank Westerhoff, University of Bamberg.

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

12/2010 – 04/2012 **Working Student**, Siemens Healthcare, Sales and Support, Erlangen, Germany.

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## Computer Skills

Scientific Mathematica, E&F Chaos, EViews, STATA

Other L<sup>A</sup>T<sub>E</sub>X, Microsoft Office