

# Curriculum Vitae

**Dmitri Blueschke**

August 2020



## Personal data:

**Name:** Dmitri Blueschke  
**Date of birth:** June 6, 1981  
**Place of birth:** Koktschetaw, Kazakhstan  
**Nationality:** German  
**Marital status:** Married since 2003, two children  
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## Academic education:

02.03.2018 Habilitation (venia docendi) in Economics, University of Klagenfurt  
2007 – 2012 PhD in Economics at the University of Klagenfurt, Austria. Degree:  
Doktor der Sozial- und Wirtschaftswissenschaften (Dr.rer.soc.oec)  
2002 – 2007 Study in Economics and Mathematics at the University of Bielefeld,  
Germany. Degree: Diplom-Volkswirt

## Positions:

Since 04/2018 Associate professor at the Department of Economics, University of  
Klagenfurt, Austria  
08/2018 – 12/2018 Visiting scholar at SAIS, Johns Hopkins University, Washington DC  
04/2012 – 03/2018 Assistant professor at the Department of Economics, University of  
Klagenfurt, Austria  
09/2010 – 03/2012 Senior scientist at the Department of Economics, University of  
Klagenfurt  
09/2007 – 08/2010 Research assistant at the Department of Economics, University of  
Klagenfurt in the project “The Macroeconomics of EMU Enlargement”  
06/2006 – 08/2007 Research assistant at the Department of Statistics and  
Econometrics, Bielefeld University  
04/2006 – 05/2006 Internship at the Federal Statistical Office, Wiesbaden, Germany  
10/2004 – 03/2005 Teaching assistant at the Department of Statistics and  
& 11/2005 – 03/2006 Econometrics, Bielefeld University

**Research:**

Major fields of interest: Macroeconomics; game theory; control theory; economic policy; international economics; nonlinear dynamic stochastic problems; econometrics; heuristics; evolutionary optimization, cointegration; agent-based models

**Other activities:**

2016	Research stay at BETA (Bureau d'Economie Théorique et Appliquée), Strasbourg, France
2013 – Present	Member of the German Network on New Economic Dynamics (GENED)
2007 – 2010	Member of the EU funded Marie Curie research and training network “Computational Optimization Methods in Statistics, Econometrics and Finance (COMISEF)”
2009	Participation at ICE 2009 (summer program at the Institute on Computational Economics, University of Chicago, USA)

**Awards and grants:**

2018	Fellowship of the Austrian Marshal Plan Foundation
06/2015	Young Economists Award from the Austrian Economic Association
2014, 2016	ÖFG “Internationale Kommunikation” grant
2013	Award for Excellence in Publishing from the University of Klagenfurt
2012, 2016	Award from the Heinrich Graf Hardegg’sche Stiftung
10/2008 – 07/2009	Dr. Manfred-Gehring-Forschungsstipendium (an academic scholarship for young researchers)
06/2009	Acceptance on “WiWi-Talents Program” (50 top-of-the-year students in economics in German-speaking countries)

**Languages:** English, German, Russian

**Computer skills:** Matlab, Eviews, R, SPSS, LaTeX, MS Office, gretl, C#, C/C++, NetLogo, RATS

**Peer review and editorial activities:**

Peer reviews: Journal of Economic Dynamics and Control, European Journal of Operational Research, Journal of Macroeconomics, Macroeconomic Dynamics, Computational Economics, Journal of Heuristics, Empirica, Automatica, Economic Modelling, China Economic Review, Economics and Human Biology, Dynamic Games and Applications, International Journal of Sustainable Economy, Economic Research

**Conferences:** Total of 47 talks at international workshops and conferences

**Teaching experience:** Total of 53 courses

2011 – 2020	Instructor, Macroeconomics (bachelor level, German and English), University of Klagenfurt
2015 – 2017	Instructor, Economic Policy (bachelor level), University of Klagenfurt
2019	Instructor, Advanced Macroeconomics (master and PhD level), University of Klagenfurt
2015 – 2020	Instructor, Research Methods in Economics (master level), University of Klagenfurt
2012 – 2020	Instructor, Microeconomics (bachelor level), University of Klagenfurt
2019 – 2020	Instructor, Introduction to Economics (bachelor level), University of Klagenfurt
2013	Instructor, master and PhD students' supervision seminar (master and PhD level), University of Klagenfurt
2017 – 2020	Instructor, Sports Economics (bachelor level), University of Klagenfurt
2004 – 2006	Teaching Assistant, Econometrics (bachelor level), University of Bielefeld

**University services:** Program director for the bachelor “International Business and Economics”, executive committee member of CESEENet (Central and South-East European PhD Network), executive committee member of the doctoral program MANSIO (Modeling, Analysis, Simulation and Optimization of Discrete, Continuous, and Stochastic Systems with Applications in Business and Economics), hiring committee (2018), habilitation committee (2014), committee for developing a new study program

## Publications

1. Blueschke, D., Neck, R. and Wittmann, A., 2020. How relieving is public debt relief? Monetary and fiscal policies in a monetary union during a debt crisis. *Central European Journal of Operations Research*, 28(2), 367-369.
2. Weyerstrass, K., Neck, R., Blueschke, D., Majcen, B., Srakar, A., Verbič, M., 2020. Stabilization Policies in a Small Euro Area Economy: Taxes or Expenditures? A Case Study for Slovenia. *International Journal of Computational Economics and Econometrics*, 10(4), 309-327.
3. Blueschke, D., Savin I. and Blueschke-Nikolaeva, V., 2019. An Evolutionary Approach to Passive Learning in Optimal Control Problems. *Computational Economics*, forthcoming.
4. Blueschke-Nikolaeva, V., Blueschke, D. and Neck, R., 2019. OPTCON3: An Active Learning Control Algorithm for Nonlinear Quadratic Stochastic Problems. *Computational Economics*, 56(1), 145-162.
5. Blueschke, D., Weyerstrass, K., Neck, R., Majcen, B., Srakar, A., Verbič, M., 2019. Budget Consolidation in a Small Open Economy: A Case Study for Slovenia. *Post-Communist Economies*, 31(3), 325-348.

6. Savin, I., Blueschke D., Blueschke-Nikolaeva, V., 2018. Slow and steady wins the race: approximating Nash equilibria in nonlinear quadratic tracking games. *Journal of Economics and Statistics*, 238(6), 541-569.
7. Blueschke, D. and Neck, R., 2018. Game of Thrones: Accommodating Monetary Policies in a Monetary Union. *Games*, <http://www.mdpi.com/2073-4336/9/1/9>.
8. Neck, R., Blueschke, D., Majcen, B., Srakar, A., Verbič, M., Weyerstrass, K., 2018. How to Achieve the Take-off into Sustained Growth? A Case Study for Slovenia. *International Advances in Economic Research* 24(2), 109-121.
9. Weyerstrass, K., Neck, R., Blueschke, D., Majcen, B., Srakar, A., Verbič, M., 2018. SLOPOL10: A Macroeconometric Model for Slovenia. *Economic and Business Review* 20(2), 269-302.
10. Blueschke, D. and Savin, I., 2017. No such thing like perfect hammer: comparing different objective function specifications for optimal control, *Central European Journal of Operations Research* 25(2), 377-392.
11. Neck, R., Blueschke-Nikolaeva, V. and Blueschke, D., 2017. Finite horizon optimum control with and without a scrap value, AIP Conference Proceedings 1836, 020012; doi: 10.1063/1.4981952, 1836(020012).
12. Blueschke, D. and Neck, R., 2017. Together we are strong – divided still stronger? Strategic aspects of a fiscal union. In: K.F. Doerner, I. Ljubic, G. Pflug, G. Tragler (eds.), *Operations research proceedings 2015*, Springer, 563-569.
13. Neck, R. and Blueschke, D., 2016. What to Do When Stagflation Returns? Monetary and Fiscal Policy Strategies for a Monetary Union, *Journal of Economic Asymmetries* 14, 128-146.
14. Savin, I. and Blueschke D., 2016. Lost in Translation: Explicitly Solving Nonlinear Stochastic Optimal Control Problems Using the Median Objective Value, *Computational Economics* 48(2), 317-338.
15. Blueschke, D., Weyerstrass, K. and Neck, R., 2016. How Should Slovenia Design Fiscal Policies in the Government Debt Crisis? *Emerging Markets Finance and Trade*, 52(7), 1562-1573.
16. Neck, R. and Blueschke, D., 2016. United We Stand: On the Macroeconomics of a Fiscal Union, *Empirica*, 43(2), 333-347.
17. Weyerstrass, K. and Blueschke, D., 2016. EuroMod: a macroeconomic model of a “mini Euro area”. In: N. Wohlgemuth, D. Blüschke (eds.), *Wirtschaftspolitik im Wandel der Zeit*, Peter Lang, 181-200.
18. Blueschke, D. and Neck, R., 2016. Fiscal and Monetary Policies in a Monetary Union: Conflict or Cooperation. In: H. Dawid, K.F. Doerner, G. Feichtinger, P.M. Kort, A. Seidl (eds.), *Dynamic Perspectives on Managerial Decision Making. Essays in Honor of Richard F. Hartl*, Springer, 201-216.
19. Neck, R. and Blueschke, D., 2016, Strategic Macroeconomic Policies in a Monetary Union. In: B. Bednar-Friedl, J. Kleinert (eds.), *Dynamic Approaches to Global Economic Challenges. Festschrift in Honor of Karl Farmer*, Cham, 53–73.
20. Blueschke, D. and Neck, R., 2015, Optimal Macroeconomic Policies in a Monetary Union: A Dynamic Game Analysis. *IFAC-PapersOnLine* 48(25), 120-125.
21. Neck, R. and Blueschke, D., 2014, "Haircuts" for the EMU periphery: virtue or vice? *Empirica* 41(2), 153-175.
22. Blueschke, D., Blueschke-Nikolaeva, Neck, R., 2014. Stochastic Control of Econometric Models for Slovenia. *System Modeling and Optimization* 443, 21 - 30, Springer.

23. Blueschke, D. and Neck, R., 2014. Policy Interactions in a Monetary Union: An Application of the OPTGAME Algorithm. In: J. Haunschmid, V. Veliov, S. Wrzaczek (eds.), *Dynamic Games in Economics*, Springer, 51-69.
24. Blueschke, D., 2014. *Optimal Policies for Nonlinear Economic Models*, Südwestdeutscher Verlag für Hochschulschriften.
25. Blueschke D., Blueschke-Nikolaeva V. and Savin I., 2013. New insights into optimal control of nonlinear dynamic econometric models: application of a heuristic approach, *Journal of Economic Dynamics and Control* 37(4), 821-837.
26. Blueschke, D., Blueschke-Nikolaeva, V. and Neck, R., 2013. Stochastic control of linear and nonlinear econometric models: some computational aspects. *Computational Economics* 42, 107-118.
27. Neck, R., Blueschke, D. and Weyerstrass, K., 2013. Trade-Off of fiscal austerity in the European Debt Crisis in Slovenia. *International Advances in Economic Research* 19(4), 367-380.
28. Blueschke, D., Neck, R. and Behrens, D. A. (2013). OPTGAME3: A dynamic game solver and an economic example. In: Křivan V., Zaccour G. (eds.), *Advances in Dynamic Games. Theory, Applications, and Numerical Methods*. Basel: Birkhäuser Verlag, 2013 (Annals of the International Society of Dynamic Games, 13), 29-51.
29. Blueschke-Nikolaeva, V., Blueschke, D. and Neck, R., 2012. Optimal control of nonlinear dynamic econometric models: An algorithm and an application. *Computational Statistics and Data Analysis* 56, 3230–3240.
30. Neck, R., Blueschke, D. and Weyerstrass, K., 2012. Macroeconomic policies for Slovenia in the “Great Recession”. *International Advances in Economic Research* 18(4), 345-366.
31. Blueschke, D., Blueschke-Nikolaeva, V., Neck, R. and Weyerstrass, K., 2012. Macroeconomic policies for Slovenia after the “Great Recession”. *Eurasian Economic Review* 2, 54-93.
32. Blueschke, D. and Neck, R., 2012. Monetary and Fiscal Policies in a Dynamic Game Model of the EMU. In: L. Lacina, P. Rozmahel, A. Rusek (eds.), *Eurozone and Its Neighbours: The Third Year of Crisis*, Martin Stříž Publishing, 57-76.
33. Blueschke, D. and Neck, R., 2011. “Core” and “periphery” in a monetary union: A macroeconomic policy game. *International Advances in Economic Research* 17, 334–346.
34. Neck, R., Blueschke, D. and Weyerstrass, K., 2011. Optimal macroeconomic policies in a financial and economic crisis: a case study for Slovenia. *Empirica* 38, 435–459.
35. Neck, R., Blueschke, D. and Blueschke-Nikolaeva, V., 2010. Optimal Macroeconomic Policies under Uncertainty: An Application of Stochastic Control Theory to Slovenia. In: A. Welfe (eds.), *MACROMODELS 2009*, Lodz 2010, 167–182.

### **Relevant unpublished manuscripts and working papers**

1. Blueschke, D., 2019. Pillars for the world economy: a game-theoretic analysis of the economic interactions between the US, Europe and China.
2. Blueschke, D., 2019. How to specify the weighting matrix in optimal control problems?
3. Chen, P., Frohn, J., Blüschke, D., Klocke, A., Schneider, E., Walter, H. and Zeng, J., 2008. Entwicklung und Implementierung einer angemessenen ökonometrischen Methodik für die Spezifikation und Schätzung großer simultaner struktureller

makroökonomischer Modelle, Diskussionspaper Nr. 573, Fakultät für  
Wirtschaftswissenschaften, Universität Bielefeld.

4. Chen, P., Blueschke, D., Blueschke-Nikolaeva, V. and Zeng, J., 2008. Subs4coint.