CURRICULUM VITAE

GINTERS BUŠS

Affiliation

Latvijas Banka	Email:	ginters.buss@gmail.com
Monetary policy department	Homepage:	http://gin.mozello.com
Research division		
Kr. Valdemara 2a	Google Scholar:	http://tinyurl.com/qzpklul
Riga, LV-1050, Latvia	Ideas/RePEc:	https://ideas.repec.org/e/pbu196.html

Professional Experiences

Jan 2021 - Present: **Latvijas Banka** (the central bank of Latvia) in Riga, Latvia.
Principal Researcher at the Monetary policy department, Research division.
Research, development and maintenance, and policy simulation of DSGE models for policy analysis and forecasting.

2016 - Present: **Riga Technical university** in Riga, Latvia.
Chair of the bachelor's thesis defense commission.

Nov 2020 - Jun 2021: **Society "Zaļā iela 7"** in Riga, Latvia.
Co-founder and *the Board member*.
Management and maintenance of the apartment building at Zala street 7, Riga, Latvia. Achievement: initiated and successfully led the transition of the apartment building owned by ~22 persons from one house manager (SIA "Rigas Namu Parvaldnieks") to a new one, including the completion of the privatization process.

Oct 2017 - Dec 2020: **Latvijas Banka** (the central bank of Latvia) in Riga, Latvia.
Principal Econometrician at the Monetary policy department,
Monetary research and forecasting division.
Research, policy analysis, forecasting. Development and maintenance of models, including DSGE, semi-structural, and time series models, for policy analysis and forecasting. Development of the forecasting platform integrating DSGE and short-term models.

Dec 2011 - Sep 2017: **Latvijas Banka** (the central bank of Latvia) in Riga, Latvia.
Senior Econometrician at the Monetary policy department,
Monetary research and forecasting division.
Research, policy analysis, forecasting. Development of models for policy analysis and forecasting.

2011 - 2013: **Riga Technical University** in Riga, Latvia.
Lecturer of Statistical Analysis for Master students.

Oct 2008 - Nov 2011: **Central Statistical Bureau of Latvia** in Riga, Latvia.
Mathematical support division.
• Jul 2009 - Nov 2011: *Senior Officer*
Time series analysis, incl. GDP flash estimate (developed a forecasting platform in Scilab environment) & seasonal adjustment. Received written acknowledgement from the President of Central Statistical Bureau of Latvia regarding the contribution in the field of time series analysis.
• Oct 2008 - Jun 2009: *Statistician*
Forecasting, backcasting, seasonal adjustment, statistical disclosure control.

Oct 2008: **Banku Augstskola**, School of Business and Finance in Riga, Latvia.
Visiting lecturer of Statistics for 2nd and 3rd year Bachelors.

Apr-Aug 2005: **Central Statistical Bureau of Latvia** in Riga, Latvia.
Statistician at the Mathematical support division.
Sampling, calibration.

Education

2021 - Present:	**Master in Law** at University of Latvia
2009 - 2014:	**Dr. in Information Technology** (Dr.sc.ing) at Riga Technical University (Latvia), Faculty of Computer Science and Information Technology, Department of Probability Theory and Mathematical Statistics. Dissertation title: "Robust time series forecasting methods". Principal advisors: Dr.habil.math. Prof. J. Carkovs, Dr.math. Assoc.Prof. V. Ajevskis.
2007 - 2008:	**Ph.D. student in Economics** at Duke University (US)
2005 - 2007:	**MA in Economics** at Central European University (Hungary)
Feb - Jun 2004:	**Visiting student** at Ghent University, Faculty of Economics and Management (Belgium)
2001 - 2005:	**BA in Economics** at University of Latvia, Department of Macroeconomic Development and Forecasting.

Research Interests

Modeling, business cycles, forecasting

Research

Bušs, Ginters and Patrick Grüning
Fiscal DSGE model for Latvia
Baltic Journal of Economics, 23:1, February 2023 (Open access)
DOI: https://doi.org/10.1080/1406099X.2023.2173915
Also as
Bušs, Ginters and Patrick Grüning
Fiscal DSGE Model for Latvia
Working Papers 2020/05, Latvijas Banka
Available at: https://ideas.repec.org/p/ltv/wpaper/202005.html

Bušs, Ginters, Patrick Grüning and Oļegs Tkačevs
Choosing the European Fiscal Rule
Working Papers 2021/03, Latvijas Banka
Available at: https://ideas.repec.org/p/ltv/wpaper/202103.html
Also as
Bušs, Ginters, Patrick Grüning and Oļegs Tkačevs
Choosing the European Fiscal Rule
Dynare Working Papers 75, CEPREMAP, July 2022
Available at: https://www.dynare.org/wp-repo/dynarewp075.pdf

Banbura M. et al.
Business investment in EU countries
Occasional Paper Series No 215/October 2018, European Central Bank
Available at: https://www.ecb.europa.eu//pub/pdf/scpops/ecb.op215.en.pdf

Runstler G. et al.
Real and financial cycles in EU countries - Stylised facts and modelling implications
Occasional Paper Series No 205/January 2018, European Central Bank
Available at: https://www.ecb.europa.eu//pub/pdf/scpops/ecb.op205.en.pdf

Buss, G.
Wage formation, unemployment and business cycle in Latvia
Working Papers 2017/01, Latvijas Banka
Available at: https://ideas.repec.org/p/ltv/wpaper/201701.html

Ciccarelli M. and C. Osbat (eds.)
Low inflation in the euro area: Causes and consequences
ECB Occasional Paper No 181, January 2017.

Available at: https://www.ecb.europa.eu/pub/pdf/scpops/ecbop181.en.pdf

Lafourcade P. et al.
Labour market modelling in the light of the financial crisis
Occasional Paper Series No 175/August 2016, European Central Bank
Available at: https://www.ecb.europa.eu/pub/pdf/scpops/ecbop175.en.pdf

Buss, G.
Search-and-matching frictions and labor market dynamics in Latvia
Working Papers 2015/04, Latvijas Banka
Available at: https://ideas.repec.org/p/ltv/wpaper/201504.html

Buss, G.
Financial frictions in Latvia
Empirical Economics, vol. 51(2), pp. 547-575, September 2016
http://dx.doi.org/10.1007/s00181-015-1014-z

Buss, G.
Real-time signal extraction with regularized multivariate direct filter approach
Journal of Forecasting, vol. 35(3), pp. 206-216, April 2016
http://dx.doi.org/10.1002/for.2352

Buss, G.
Tracking economic activity in the euro area: Multivariate direct filter approach
OECD Journal: Journal of Business Cycle Measurement and Analysis, OECD Publishing, Centre for International Research on Economic Tendency Surveys, vol. 2014(2), pp. 1-20.
http://dx.doi.org/10.1787/jbcma-2014-5js0bcts1433

Buss, G.
Asymmetric Baxter-King filter
Appeared as "Preliminary results on asymmetric Baxter-King filter" in *Aplimat: Journal of Applied Mathematics*, vol. 4(2011), no. 3, pp. 239-248.
Available at http://mpra.ub.uni-muenchen.de/28176/1/MPRA_paper_28176.pdf

Buss, G.
Forecasts with single-equation Markov-switching model: an application to the gross domestic product of Latvia
Journal of Applied Economic Sciences, vol. 5(2(12)/Sum), pp. 48-58.

Buss, G.
Economic forecasts with Bayesian autoregressive distributed lag model: choosing optimal prior in economic downturn
Aplimat: Journal of Applied Mathematics, vol. 3(2010), no. 3, pp. 191-200.
Available at http://mpra.ub.uni-muenchen.de/18224/3/MPRA_paper_18224.pdf

Referee Activity

Journal of Business Cycle Analysis and Measurement (OECD and CIRET), Baltic Journal of Economics, Quantitative Finance and Economics, Bank of Lithuania Working Paper Series

Conference and Seminar Presentations

2022 **Working group on econometric modelling, European System of Central Banks** (Online), **Latvijas Banka seminar**

2021 **20th Journees Louis-Andre Gerard-Varet** (Online), **9th UECE Conference on Economic and Financial Adjustments** (Online), **Baltic central bank research seminar**, **Fourth ERMEES Macroeconomics Workshop 2021** (Strasbourg, France), **Computing in Economics and Finance, The Society for Computational Economics** (Online), **European Commission research seminar** (Online), **Ministry of Finance and Fiscal Discipline Council seminar** (Latvia), **Latvijas Banka seminar**

2020 **EAGLE Network meeting, European System of Central Banks** (Webex), **Lietuvos Bankas** (Vilnius, Lithuania), **Latvijas Banka seminar**

2019 **Working Group on Econometric Modelling, European System of Central Banks** (Frankfurt, Germany), **EAGLE Network meeting, European System of Central Banks** (Frankfurt, Germany), **Lietuvos Bankas** (Vilnius, Lithuania), **ERMEES workshop** (Strasbourg, France), **Latvijas Banka seminar**

2018 **EAGLE Network meeting, European System of Central Banks** (Hamburg, Germany), **ECB workshop on household heterogeneity and macroeconomics** (Frankfurt, Germany), **Latvijas Banka seminar**

2017 **1st Research Conference of the CEPR Network on Macroeconomic Modelling and Model Comparison (MMCN)** (Frankfurt, Germany), **Latvijas Banka seminar**

2016 **Working Group on Econometric Modelling, European System of Central Banks** (Frankfurt, Germany), **Baltic central banks' research seminar** (Riga, Latvia), **Latvijas Banka seminar**

2015 **Working Group on Econometric Modelling, European System of Central Banks** (Rome, Italy), **Latvijas Banka seminar**

2014 **Working Group on Econometric Modelling, European System of Central Banks** (Frankfurt, Germany), **The 2014 Baltic macroeconomic meeting** (Vilnius, Lithuania), **Latvijas Banka seminar**

2013 **28th Annual congress of the European Economic Association and the 67th European meeting of the Econometric Society** (Gothenburg, Sweden), **Baltic Central Banks' Research Workshop** (Riga, Latvia) **Latvijas Banka seminar**

2012 **Working group on forecasting, European System of Central Banks** (Tallin, Estonia), **53rd International scientific conference of Riga Technical University** (Riga, Latvia), **Latvijas Banka seminar**

2011 **26th Annual Congress of the European Economic Association and 65th European meeting of the Econometric Society** (Oslo, Norway), **Finance and Economics conference 2011** (Frankfurt, Germany), **16th International conference on mathematical modelling and analysis** (Sigulda, Latvia), **52nd International scientific conference of Riga Technical University** (Riga, Latvia)

2010 **6th Eurostat Colloquium** on "Modern tools for business cycle analysis: the lessons from global economic crisis" (Luxembourg), **51st International scientific conference of Riga Technical University** (Riga, Latvia), **10th International Vilnius conference on probability theory and mathematical statistics** (Vilnius, Lithuania), **8th Latvian Mathematical conference** (Valmiera, Latvia), **Aplimat 2010 - 9th International conference on applied mathematics** (Bratislava, Slovakia).

Awards and Scholarships

Aug 2010: Financial support by European Social Fund for doctoral studies at Riga Technical University

Aug 2009: Financial support by European Social Fund for doctoral studies at Riga Technical University

Feb 2007: Full Award by Duke University

Aug 2006: Full Fellowship by Central European University

May 2005: Partial Fellowship by Central European University

Jan 2004: Scholarship by Socrates/Erasmus Student Exchange Program for studies in Ghent University

Software Knowledge

Matlab, Dynare, Gauss, Eviews, LaTeX, Scilab, Mathematica, R, Octave, Sage, gretl, SPSS, Stata, Demetra(+), TRAMO/SEATS, X-12a, Maxima, MS/Libre Office
OS: Linux, Windows

Languages

Native: **Latvian**
Advanced: **English**
Intermediate: **Russian**
Beginner: **German**

April 24, 2023