

# CURRICULUM VITAE

## GINTERS BUSS

### AFFILIATION

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Latvijas Banka	Email:	<a href="mailto:ginters.buss@gmail.com">ginters.buss@gmail.com</a>
Monetary policy department	Homepage:	<a href="http://gin.mozello.com">http://gin.mozello.com</a>
Monetary research and forecasting division		
Kr. Valdemara 2a	Google Scholar:	<a href="http://tinyurl.com/qzpkul">http://tinyurl.com/qzpkul</a>
Riga, LV-1050, Latvia	Ideas/RePEc:	<a href="https://ideas.repec.org/e/pbu196.html">https://ideas.repec.org/e/pbu196.html</a>

### PROFESSIONAL EXPERIENCES

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- Oct 2017 - Present: **Latvijas Banka** (the central bank of Latvia) in Riga, Latvia.  
*Chief 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.
- 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

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- 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

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Modeling, forecasting, time series analysis

## RESEARCH

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### **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>

### **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>

### **Financial frictions in Latvia**

*Empirical Economics*, vol. 51(2), pp. 547-575, September 2016

<http://dx.doi.org/10.1007/s00181-015-1014-z>

### **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>

### **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>

### **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](http://mpra.ub.uni-muenchen.de/28176/1/MPRA_paper_28176.pdf)

### **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.

### **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](http://mpra.ub.uni-muenchen.de/18224/3/MPRA_paper_18224.pdf)

## REFEREE ACTIVITY

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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

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- 2017 **1st Research Conference of the CEPR Network on Macroeconomic Modelling and Model Comparison (MMCN)** (Frankfurt, Germany)
- 2016 **Working Group on Econometric Modelling, European System of Central Banks** (Frankfurt, Germany), **Baltic central banks' research seminar** (Riga, Latvia)
- 2015 **Working Group on Econometric Modelling, European System of Central Banks** (Rome, Italy)
- 2014 **Working Group on Econometric Modelling, European System of Central Banks** (Frankfurt, Germany), **The 2014 Baltic macroeconomic meeting** (Vilnius, Lithuania)
- 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)
- 2012 **Working group on forecasting, European System of Central Banks** (Tallin, Estonia), **53rd International scientific conference of Riga Technical University** (Riga, Latvia)
- 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

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- 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

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Matlab, Dynare, Gauss, Eviews, L<sup>A</sup>T<sub>E</sub>X, Scilab, Mathematica, R, Octave, Sage, gretl, SPSS, Stata, Demetra(+), TRAMO/SEATS, X-12a, Maxima, MS/Libre Office  
OS: Linux, Windows

## LANGUAGES

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Fluent in both spoken and written: **English and Latvian**  
Basic knowledge in **Russian and German**

October 2, 2017