Mátyás Gábor Farkas

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WORK EXPERIENCE

European Central Bank, 09/2018 - present

09/2020 - present | Economist | Frankfurt am Main, Germany
DG-MP, Monetary Policy Strategy Division: Operationalizing favorable financing conditions, DSGE modelling, monetary policy book preparation and SMA coordination.
DG-E, Forecasting and Policy Modelling Division: Development of the adaptive learning version of the NAWMII, climate change modelling with adaptive expectations

09/2018 - 08/2020 | Graduate Programme Participant | Frankfurt am Main, Germany
DG-R, Monetary Policy Research Division: DSGE based theoretical contribution to the discussion paper: On the Effectiveness of Macroprudential Policy
DG-MIP Market Infrastructure Management Division: Target Analytical Team

Goethe University Frankfurt, IMFS 12/2014 - 09/2018
Research Assistant at the Institute for Monetary and Financial Stability | Frankfurt am Main, Germany
Member of the Macroeconomic Model Data Base: Lead developer of the MMB, platform development, for forecast performance comparison. Research on monetary policy transmission in heterogeneous expectations based DSGE.

European Central Bank, 09/2017 - 12/2018
Consultant in DG-MP, Monetary Policy Strategy Division | Frankfurt am Main, Germany
Operationalization of policy tool to assess the balance of risks around ECB projections. Exploration of methodologies to identify and quantify skewness.

European Central Bank, 09/2016 - 03/2017
PhD Trainee in DG-MP, Monetary Policy Strategy Division | Frankfurt am Main, Germany
Development of policy tool to assess balance of risks around ECB projections. Model selection based on forecast performance evaluation.

European Central Bank, 11/2012 - 06/2013
Masters Trainee in DG-I, External Developments Division | Frankfurt am Main, Germany
Data and computational support to colleagues; forecast evaluation of the ECB's MPE and BMPE; maintenance of routines and codes, development of emerging markets database.

Goethe University Frankfurt, 05/2012 - 08/2012
Research Assistant at the Chair of Development and International Economics | Frankfurt am Main, Germany
Computational and research support, participation in long-term research projects and help in teaching related tasks.

European Parliament, 09/2011 - 11/2011
Trainee at the office of Dr. Alajos Mészáros (MEP) | Bruxelles, Belgium
Reporting on Committee sessions, meetings, research on background material for the topics: six pack of the EU, energy efficiency directive, legal regulation of property rights; speech-writing.

Corvinus University Budapest, 02/2008 - 07/2011
Tutor at the Department of Informatics, Department of Mathematics, Department of Macroeconomics and Department of Investments and Corporate Finance | Budapest, Hungary
Courses taught: Foundations of Informatics (MS Office, Databases), Foundations of Mathematics I. and II. (Calculus, Probability theory); Macroeconomics; Advanced Corporate Finance II.

Hungarian National Bank, 06/2009 - 08/2009
Trainee at the Monetary Statistics Department | Budapest, Hungary
Data management related tasks; creating, programming, testing and implementation of the new data management layer of the IT system in SQL.

EDUCATION

PhD in Finance 2013 - 2020
Summa cum laude, Supervisors Prof. Volker Wieland, Ph.D. and Prof. Michael Binder, Ph.D.
Graduate School of Economics, Finance and Management
Goethe University of Frankfurt, Germany
Exchange semester for the Finance PhD 2015
University of St. Gallen, Switzerland

Master of Money and Finance 2011-2013
GPA: 1.3 out of 1.0
Goethe University of Frankfurt, Germany

BSc in Finance and Accounting 2007-2011
Specialization: Finance, Best of class distinction, GPA: 4.94 out of 5.0
Corvinus University of Budapest, Hungary

BSc in International Relations 2006-2010
Specialization: European Integration, Summa Cum Laude, GPA: 4.65 out of 5.0
Corvinus University of Budapest, Hungary

LANGUAGE SKILLS

English (fluent), Hungarian (native), German (fluent), Spanish (conversational), Russian (basic)

COMPUTER SKILLS

Expert knowledge of Matlab, Octave, Python, R, Eviews, Stata, SPSS, Microsoft Office, LaTeX, Dynare, Stan.
Intermediate knowledge of SQL and C++, AWS virtualization and parallel computing using Tensor Flow.

AWARDS & ACTIVITIES

Deutschlandstipendium	2013-2014
DAAD Scholarship: Studienstipendien fuer Graduierte aller wissenschaftlichen Faecher	2011- 2013
Best of class honors among all graduates - Corvinus University of Budapest	2011
GRE Quantitative - 170/170 (98 percentile)	2013
TOEFL iBT - 112/120	2010

PUBLICATIONS

Miguel Ampudia, Marco Lo Duca, Mátyás Farkas, Gabriel Pérez-Quiós, Mara Pirovano, Gerhard Rünstler, Eugen Tereanu (2021): "On the effectiveness of macroprudential policy", ECB Working Paper No 2559, May 2021.

Work stream on climate change (2021): "Climate change and monetary policy in the euro area," Occasional Paper Series 271, European Central Bank.

Mátyás Farkas, Balint Tatar (2020): "Bayesian Estimation of DSGE Models with Hamiltonian Monte Carlo", IFMS Working No. 144., 31.08.2020.

Michael Binder, Mátyás Farkas, John B. Taylor, Volker Wieland, Maik Wolters (2019): "Forecasting the Great Recession in the United States: Results from a Model Comparison Exercise", Working Paper, presented at the MMCN conference in 2019 June.

Michael Binder, Mátyás Farkas and Volker Wieland (2016): "Heterogeneous Information, Diverse Higher-Order Beliefs and Business Cycles", European Comission, MACFINROBODS, FP7 project report, Working Paper, 30.04.2016.

Co-author of the ECB Monthly Bulletin article: "An assessment of Eurosystem staff macroeconomic projections", May 2013.

Frankfurt am Main October 24, 2022.