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## PERSONAL

Born September 1, 1975 in Sevilla (Spain)

## ACADEMIC POSITIONS

- since March 2010: Professor of Economics, Vienna University of Economics and Business
- since January 2011: Director of Economic Analysis, Wittgenstein Centre for Demography and Global Human Capital
- since February 2009: Scientific consultant, Austrian Institute of Economic Research (WIFO)
- since October 2006: Research scholar, International Institute for Applied Systems Analysis (IIASA)
- since January 2018: Senior researcher, Vilnius University (Grant Research Project: Reassessment of the Optimum Currency Area in the persistently heterogeneous European Union, *Euro4Europe*, European Social Fund)
- January 2017- December 2019: Project leader, Masaryk University (Czech Science Foundation Research Project: Dynamic Forecast Averaging of Macroeconomic Models)
- October 2013 – December 2018: Adjunct Professor, Norwegian School of Economics (NHH)
- October 2001 – December 2011: Scientific advisor, Foreign Research Division, Oesterreichische Nationalbank
- March 2007 – February 2010: Professor of Economics, Department of Economics, University of Innsbruck
- October 2000 – February 2007: Associate professor (previously assistant professor), Department of Economics, University of Vienna (Venia docendi in Economics, June 2005)
- August 1999 – September 2000: Research assistant, Institute for Advanced Studies, Vienna (Austria)
- October 1998 – July 1999: Project assistant, SFB Project *Adaptive information systems and modelling in Economics and Management Science*

## EDUCATION

<i>Doctoral degree, Economics,</i> University of Vienna	2000 – 2002
<i>Postgraduate program in Economics</i> Institute for Advanced Studies, Vienna	1997 – 1999
<i>Masters degree, Economics</i> Universidad de Sevilla (Spain)	1993 – 1997

## PUBLICATIONS IN PEER-REVIEWED JOURNALS

- Macroeconomic Forecasting in the Euro Area Using Predictive Combinations of DSGE Models (with J. Čapek, N. Hauzenberger and V. Reichel), *International Journal of Forecasting*, forthcoming.
- Natural Resources Modulate the Nexus Between Environmental Shocks and Human Mobility (with M. Brottrager, S.H. Ali and D. Kniveton), *Nature Communications*, Vol. 14 (2023), 1393.
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- Tracing International Migration in Projections of Income and Inequality Across the Shared Socioeconomic Pathways (with H. Benveniste, M. Gidden and R. Muttarak), *Climatic Change*, Vol. 166 (2021): 39.
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- A Meta-Analysis of Country-Level Studies on Environmental Change and Migration (with R. Hoffmann, A. Dimitrova, R. Muttarak and J. Peisker), *Nature Climate Change* Vol. 10 (2020): 904-912.
- Fragility and the Effect of International Uncertainty Shocks (with F. Huber and L. Onorante), *Journal of International Money and Finance*, Vol. 108 (2020): 102151.
- We Just Estimated Twenty Million Fiscal Multipliers (with J. Čapek), *Oxford Bulletin of Economics and Statistics*, Vol. 82 (2020): 483-502.
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- The Determinants of Regional Economic Growth by Quantile (with N. Foster and R. Stehrer), *Regional Studies*, Vol. 45 (2011), 809–826.

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- On the Determinants of Currency Crises: The Role of Model Uncertainty (with T. Slacik), *Journal of Macroeconomics*, Vol. 31 (2009), 621–632.
- Modelling and Forecasting Oil Prices: The Role of Asymmetric Cycles (with A. Jumah and S. Karbuz), *The Energy Journal*, Vol. 30 (2009), 81–90.
- The Demography of Educational Attainment and Economic Growth (with W. Lutz and W. Sanderson), *Science*, Vol. 319 (2008), 1047–1048.
- Tracing the Dynamics of Competition: Evidence from Company Profits (with A. Gschwandtner), *Economic Inquiry*, Vol. 46 (2008), 208–214.
- Natural Disasters as Creative Destruction: Evidence from Developing Countries (with J. Hlouskova and M. Obersteiner), *Economic Inquiry*, Vol. 46 (2008), 2142–26.
- Barriers to Technology Adoption, International R&D Spillovers and Growth (with N. Foster and J. Scharler), *Economics Bulletin*, Vol. 15 (2008), 1–7.
- Growth, Convergence and EU Membership (with M.A. Silgoner and D. Ritzberger-Grünwald), *Applied Economics*, Vol. 40 (2008), 643–656.
- Fundamentals, the Exchange Rate and Prospects for the Current and Future EU Enlargements – Evidence from Bulgaria, Croatia, Romania and Turkey (with J. Fidrmuc and M.A. Silgoner), *Empirica*, Vol. 35 (2008), 195–211.
- Is Ricardian Equivalence an Aerie Fairy Theory for Europe? (with G. Reitschuler), *Economica*, Vol. 74 (2007), 682–694.
- The Natural Rate of Interest: Which Concept? Which Estimation Method? Which Policy Conclusions? (with E. Gnan), *Journal of Post-Keynesian Economics*, Vol. 29 (2007), 667–688.
- Nonlinearities in Cross-Country Growth Regressions: A Bayesian Averaging of Thresholds (BAT) Approach (with G. Doppelhofer), *Journal of Macroeconomics*, Vol.29 (2007), 541–554.
- Interest Rate Pass-Through in Central and Eastern Europe: Reborn from Ashes Merely to Pass Away? (with B. Egert and T. Reininger), *Journal of Policy Modelling*, Vol. 29 (2007), 209–225.
- Measuring Monetary Independence: Evidence from New EU Member Countries (with C. Wojcik), *Journal of Comparative Economics*, Vol. 34 (2006), 24–43.
- Guns or Butter? Revisited: Robustness and Nonlinearity Issues in the Defense-Growth Nexus (with G. Reitschuler), *Scottish Journal of Political Economy*, Vol. 53 (2006), 523–542.
- Convergence of Educational Attainment Levels in the OECD: More Data, More Problems? *Economics of Education Review*, Vol. 25 (2006), 173–178.
- The Competitive Environment Hypothesis Revisited: Nonlinearity, Nonstationarity and Profit Persistence (with A. Gschwandtner), *Applied Economics*, Vol. 38 (2005), 465–472.
- On the Road: The Path of Bulgaria, Croatia and Romania to the EU and the Euro (with J. Fidrmuc and M. A. Silgoner), *Europe-Asia Studies*, Vol. 57 (2005), 843–858.
- The Term Structure as a Predictor of Real Activity and Inflation in the Euro Area: A Reassessment (with E. Gnan and D. Ritzberger-Grünwald), *Review of World Economics (Weltwirtschaftliches Archiv)*, Vol. 142, No. 2 (2005), 318–342.
- The Monetary Approach to Exchange Rates in CEECs (with J. Fidrmuc and R. Mac-Donald), *The Economics of Transition*, Vol. 13 (2005), 395–416.
- On Export Composition and Growth (with J. Wrz), *Review of World Economics (Weltwirtschaftliches Archiv)*, Vol. 141 (2005), 33–49.

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- Forecasting Electricity Spot Prices Using Linear Univariate Time Series Models (with J. Hlouskova, S. Kossmeier and M. Obersteiner), *Applied Energy*, Vol. 77 (2004), 87–106.
- Okun’s Law Revisited, *Oxford Bulletin of Economics and Statistics*, Vol. 65 (2003), 439–451.
- Asymmetric Cycles in Unobserved Components Models, *Economics Bulletin*, Vol. 5 (2003), 1–9.
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#### PUBLICATIONS IN BOOKS AND NON-PEER-REVIEWED JOURNALS

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- Optimal Life-Cycle Education Decisions of Atomistic Individuals (with B. Skritek, A.V. Kryazhinskii, K. Prettner, A. Fürnkranz-Prskawetz and E. Rovenskaya), in A. Bucci et al. (eds.), *The Role of Human Capital and Demographics on Economic Growth: Health, Education and Prosperity*, Palgrave-McMillan, 2019.
- Teach Your Children Well: The Dynamics of the Distribution of Educational Attainment in Europe (with P. Sauer), *Wirtschaftspolitische Blätter*, 2015/3: 579-590.
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- Determinants of Foreign Currency Loans in CESEE Countries: A Meta-Analysis (with J. Fidrmuc and M. Hake), in *Focus on European Economic Integration* 4/11, Oesterreichische Nationalbank, 2011.
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- Oesterreichische Nationalbank, 2010. Modeling and Predicting the EUR/USD Exchange Rate: The Role of Nonlinear Adjustments to Purchasing Power Parity (with A. Orthofer), in *Monetary Policy and the Economy* 02/10, Oesterreichische Nationalbank, 2010.

- Can Emerging Asset Price Bubbles be Detected?, *OECD Economics Department Working Papers*, No. 772. 2010
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- Convergence of Educational Attainment Levels in the OECD: More Data, More Problems?, in *Current Issues of Economic Growth, Proceeding of OeNB Workshops*, Oesterreichische Nationalbank, 2004.
- Interest Rate Pass-Through in EU Acceding Countries: The Case of the Czech Republic, Hungary and Poland (with B. Egert and T. Reininger), in *Financial Intermediation in the New Europe: Banks, Markets and Regulation in EU Accession Countries*, Masciandaro (ed.), Edward Elgar, 2004.
- On the Role of European Integration for Income Convergence (with M.A. Silgoner), in *Advances in Macroeconometric Modelling*, Dreger and Hansen (eds.), Nomos, 2004.
- Defense Expenditures in the United States: Economic Impetus or Growth Hampering Device? (with G. Reitschuler) in *Advances in Macroeconometric Modelling*, Dreger and Hansen (eds.), Nomos, 2004.
- The Monetary Independence Hypothesis: Evidence from the Czech Republic, Hungary and Poland (with C. Wojcik), in *Bank I Kredyt* - 1/2004, National Bank of Poland.
- The Monetary Approach to Exchange Rates in the CEECs: Panel Data Evidence for Selected CEECs (with J. Fidrmuc and R. MacDonald), in *Focus on Transition* 2/2003, Oesterreichische Nationalbank.
- Assessing the Smoothing Impact of Automatic Stabilizers: Evidence from Europe (with G. Reitschuler and M. A. Silgoner), in *Structural Challenges for Europe*, Tumpel-Gugerell and Mooslechner (eds.), Edward Elgar, 2003.
- The Monetary Approach to Exchange Rates in the CEECs: Implications for the Czech Republic (with J. Fidrmuc and R. MacDonald), in *Ekonomické Teorie a Česká Ekonomika*, II. Komrek and Mederov (eds.), Ceska spolecnost ekonomicka, 2003.
- The Impact of European Integration on Growth: What Can We Learn for EU Accession? (with M.A. Dimitz and D. Ritzberger-Grünwald), in *Economic Convergence And Divergence In Europe*, Tumpel-Gugerell and Mooslechner (eds.), Edward Elgar, 2003.
- Wachstumseffekte der Europäischen Integration: Implikationen für die EU-Erweiterung (with M.A. Dimitz and D. Ritzberger-Grünwald), in *Berichte und Studien* 2/2002, Oesterreichische Nationalbank.
- Growth Effects of European Integration: Implications for EU Enlargement (with M.A. Dimitz and D. Ritzberger-Grünwald), in *Focus on Transition* 1/2002, Oesterreichische Nationalbank.



## BOOK REVIEWS

- Education Matters: Global Schooling Gains from the 19th to the 21st Century (book review), *Population and Development Review*, Vol. 42 (1), 143-145.
- Macroeconomic Institutions and Development (book review), *Journal of Economics*, Vol. 106 (2012), 95-96.
- Economic Theory and Social Justice (book review), *Review of Radical Political Economics*, Vol. 32, No. 4 (2000), 675-677.

## EDITED BOOKS

- *Dynamic Systems, Economic Growth, and the Environment* (coedited with T. Palokangas and A. Tarasyev), Springer 2009.

## SELECTED TALKS

- 2023: Research seminar: Slovak Academy of Sciences, University of Bologna; DEC Seminar, The World Bank (Washington DC); XXV Applied Economics Meeting (Toledo)
- 2022: Conference on International Economics (Malaga)
- 2021: Research seminar: University of Economics in Bratislava; Conference on International Economics (Murcia); Austrian Economic Association Meeting (Innsbruck)
- 2020: Research seminars: University of Graz; Workshop on Fiscal Policy (JRC, Seville), Keynote Speech at the MME20 (Mendel University, Brno)
- 2019: Research seminars: University of Regensburg, University of St Gallen, University of Göttingen, ifo Munich; XXII Applied Economics Meeting (Cartagena), United Nations Expert Group Meeting (Bangkok)
- 2018: Research seminars: University of Salzburg, University of Innsbruck, Bank of Lithuania; XXI Applied Economics Meeting (Alcalá de Henares)
- 2017: Research seminars: Hamburg University, University of Zaragoza, NHH Bergen; XX Applied Economics Meeting (Valencia), Freie Universität, Berlin
- 2016: Research seminars: Masaryk University, Brno, JRC-European Commission, Ispra; XIX Applied Economics Meeting (Sevilla), ERSA Congress (Vienna); Keynote Speech at the DYME Workshop (Prague)
- 2015: Research seminars: Norwegian School of Economics, Technical University, Gdansk, Universidad de Sevilla; XVIII Applied Economics Meeting (Alicante), ERSA Congress (Lisbon); Keynote Speech at the YEM2015 (Brno)
- 2014: Research seminars: Norwegian School of Economics; Workshop on Demographic Differential Vulnerability to Natural Disasters in the Context of Climate Change Adaptation (Kao Lak); IAAE 2014 (London); ERSA Congress (St Petersburg); Conference in Honour of Eduardo Ley, The World Bank
- 2013: Research seminars: University of Leipzig; EUREAL Meeting (Aberystwyth); XVI Applied Economics Meeting (Granada); Keynote Speech at the workshop Political Economy Of Eurozone Crisis: Is Fiscal Union Feasible? (Brno); Population Association of America Annual Meeting (New Orleans)
- 2012: Research seminars: University of Göttingen; OECD Brown Bag Seminar; ERSA Conference (Bratislava); EcoMod 2012 (Sevilla)
- 2011: Research seminars: Kiel Institute for the World Economy, Economics University in Bratislava; Inclusive Growth Diagnostic Analysis Conference (Nairobi); ERSA Conference (Barcelona); International Conference of the ERCIM WG on Computing and Statistics (London); Population Association of America Annual Meeting (Washington DC); CSAE 25th Anniversary Conference (Oxford)

- 2010: Research seminars: Universidad Pablo de Olavide, Banco de España, University of Erlangen, European Central Bank, ETH Zürich; Symposium Aspectos Monetarios de los Procesos de Integración Económica en América Latina (Buenos Aires)
- 2009: Research seminars: Erasmus University, University of Oldenburg, World Bank Brown Bag Seminar, University of Cambridge; Simposio de Análisis Económico (Valencia), New Directions in the Economic Analysis of Education, Milton Friedman Institute (Chicago), World Conference of the Spatial Econometrics Association (Barcelona)
- 2008: Research seminars: Universidad Pablo de Olavide (Sevilla), Norwegian School of Economics; European Economic Association Meeting (Milan), Empirical Economics Workshop (Groningen); Simposio de Análisis Económico (Zaragoza), Debt Relief and Beyond: A World Bank Conference on Debt and Development (Washington, DC)
- 2007: Research seminars: National Bank of Poland; Workshop Políticas Macroeconómicas, Universidad Internacional Menéndez Pelayo (Sevilla), European Economic Association Meeting (Budapest), International Conference on Macroeconomic Analysis and International Finance (Crete)
- 2006: Research seminars: Estonian Central Bank, Universidad de Zaragoza; Workshop Políticas Macroeconómicas, Universidad Internacional Menéndez Pelayo (Sevilla), Emerging Markets Workshop (Helsinki), Vienna-Bratislava Economics Meeting 2005: Research seminars: Bank of Slovenia; Workshop Políticas Macroeconómicas, Universidad Internacional Menéndez Pelayo (Sevilla), European Economic Association Meeting (Amsterdam), Public Finance Workshop (Innsbruck)
- 2004: Research seminars: Comenius University Bratislava, Johannes Kepler University (Linz), Universidad de Zaragoza; Workshop Finanzas públicas, política fiscal española e integración europea, Universidad Internacional Menéndez Pelayo, Euroframe Conference: Fiscal Policies in the European Union (Paris), Jornadas Béticas de Macroeconomía Dinámica (Málaga), Spring Meeting of Young Economists (Warsaw), International Atlantic Economic Conference (Lisbon), Public Finance Workshop (Innsbruck)
- 2003: Research seminars: University of Dortmund, Rhine-Westphalia Institute for Economic Research (Essen); Simposio de Análisis Económico (Sevilla), Conference on Monetary Policy (Warsaw), Conference on Financial Intermediation in the New Europe: Economics, Policies and Institutions (Milan), Royal Economic Society Meeting (Warwick), Spring Meeting of Young Economists (Leuven), Public Finance Workshop (Innsbruck)
- 2002: Econometric Modelling Workshop (European Central Bank), Econometric Society European Meeting (Venice), Villa Mondragone International Economics Seminar (Rome), Spring Meeting of Young Economists (Paris)
- 2001: Workshop on The European Macroeconomy: Integration, Employment and Policy Coordination (Antwerp), Quantitative Economics Doctorate Meeting (Venice), Spring Meeting of Young Economists (Copenhagen), Workshop on Monetary and Exchange Rate Strategies Related to the Current European Union's Enlargement Processes (Leuven)
- 2000: Spring Meeting of Young Economists 2000 (Oxford)

### **TEACHING AND THESIS SUPERVISION**

- Undergraduate and master level courses on introductory and advanced macroeconomics, macroeconomic policy, international macroeconomics, econometrics and time series analysis.
- Doctoral courses on (Bayesian) econometrics, macroeconomics and economic growth.
- Specialized courses on economic growth for World Bank staff in Vienna and Washington DC.
- Courses on economic growth and macroeconometrics for government officials as part of capacity-building projects by the World Bank in Kenya and Belarus.
- Supervision of master and doctoral theses in fiscal policy, economic growth, development economics, monetary economics, international economics, environmental economics, econometrics and labour economics.

- Several teaching awards (see Awards below)
- Supervised theses awarded national and international prizes, including the Franz Weninger Award, awarded by the Oesterreichische Nationalbank to the best thesis in the topic of monetary economics.

### **THIRD-PARTY PROJECTS AND APPLIED RESEARCH**

- Consultancy work for the World Bank, the African Development Bank, the OECD, the Oesterreichische Nationalbank, the Austrian Institute of Economic Research (WIFO) and the United Nations Industrial Development Organization (UNIDO)
- National and international competitive third-party projects with the European Commission (7th Framework Projects, DG Regio), the NOMIS Foundation, the Czech Science Foundation (GACR), the Oesterreichische Nationalbank's Anniversary Fund, Austrian ministries and the Raiffeisen Zentralbank (Austria), among others.
- Reviewer and evaluation panel member for National Science Foundation (US), the Slovak Research and Development Agency (Slovak Republic), the National University Research Council (Romania), the Research Council of Norway (Norges Forskningsråd) and the *Economics and Business, Social and Economic Geography* Panel at the *Stimulus Of Scientific Employment, Individual Support Call (CEEC Ind)* of the Fundação para a Ciência e a Tecnologia (Portuguese Foundation for Science and Technology).

### **HONOURS AND AWARDS**

- Best Teacher Award, Executive MBA Bucharest Program, 2021-2023
- 2022 WU Best Paper Award of the City of Vienna
- 2022 Award for Excellence in Teaching, WU Vienna
- Member of the Academia Europaea (since 2021)
- 2020 Vladas Jurgutis Award of the Bank of Lithuania
- 2018 Scottish Journal of Political Economy (SJPE) Best Paper of the Year Prize
- 2018 WU Best Paper Award of the City of Vienna
- 2017 Shortlisted for the Ars Docendi Prize, awarded by the Austrian Ministry of Science
- 2017 Award for Innovative Teaching, WU Vienna
- 2016 Award for Excellence in Teaching, WU Vienna
- Ranked 7 /15/ (15) {35} [44] ||47||in Top 100 researchers under 40 years old, Handelsblatt Ranking of Economists, 2015 /2013/ (2011) {2010} [2008] ||2007||.
- 2011 WU Best Paper Award of the City of Vienna
- 2008 Lecturer of the Year at the Faculty of Economics and Statistics, University of Innsbruck, awarded by the SOWI-Forum (student platform).
- Best Joke Award, Empirical Economics Workshop, University of Groningen, June 2008.
- Young Economist Award, Austrian Economic Association, 2003.
- Heinrich Graf Hardegg'sche Stipendienstiftung für Doktoren, 2002.

### **MEDIA COVERAGE**

My research has been featured in The Economist (UK), Der Standard, Die Presse, Wiener Zeitung, Kronen Zeitung (Austria), El País, Expansion, La Vanguardia (Spain), The Standard (Hong Kong), The Boston Globe (US), among many other newspapers, magazines, blogs radio and TV channels.

## OTHER PROFESSIONAL ACTIVITIES

- Head of the Department of Economics at the Vienna University of Economics and Business (since 2023)
- Member of the Research Committee of the National Bank of Slovenia (since 2023)
- Member of the Panel of Experts of the Austrian Productivity Board (since 2022)
- External expert, European Foundation for the Improvement of Living and Working Conditions (Eurofound)
- *CESifo* fellow
- Editor, *German Economic Review*, *Applied Economic Analysis (AEA)*, *Empirica*
- Member of the editorial board of *Economic Systems* (2014-2018), *Panoeconomicus*.
- Member of the *Expert Panel* for the evaluation of Mendel University in Brno.
- Speaker of the board, Spring Meeting of Young Economists (2002-2005).
- Reviewer for *American Political Science Review*, *Applied Economics*, *Applied Economics Letters*, *Applied Energy*, *Applied Financial Economics*, *Baltic Journal of Economics*, *The B.E. Journal of Economic Analysis & Policy*, *British Journal of Political Science*, *Bulletin of Economic Research*, *Central European Journal of Operations Research*, *China Economic Review*, *Contemporary Economic Policy*, *CESifo Economic Studies*, *Cuadernos de Economía*, *Czech Journal of Economics and Finance*, *Defence and Peace Economics*, *Demographic Research*, *Demography*, *Eastern Economic Journal*, *Ecology and Society*, *Economic Change and Restructuring*, *The Economic History Review*, *The Economic Journal*, *Economic Modelling*, *Economics of Disasters and Climate Change*, *Economics of Education Review*, *Economic Policy*, *Economic Systems*, *Economics and Business Letters*, *Economics of Transition*, *Education Economics*, *Emerging Markets Finance and Trade*, *Empirica*, *Empirical Economics*, *The Energy Journal*, *European Economic Review*, *European Journal of Comparative Economics*, *European Journal of Political Economy*, *Global Environmental Change*, *Globalisation, Society and Education*, *International Economics*, *International Finance*, *International Journal of Forecasting*, *International Review of Education Journal of Lifelong Learning*, *Investigaciones Regionales*, *Journal of African Economies*, *Journal of Applied Econometrics*, *Journal of Banking and Finance*, *Journal of Comparative Economics*, *Journal of Development Economics*, *Journal of Economic Dynamics and Control*, *Journal of Economic Psychology*, *Journal of Economic Literature*, *Journal of Macroeconomics*, *Journal of Money, Credit and Banking*, *Journal of Peace Research*, *Journal of Regional Science*, *Journal of the Economics of Ageing*, *Journal of the Royal Statistical Society*, *Macroeconomic Dynamics*, *Nature Energy*, *Oxford Bulletin of Economics and Statistics*, *Oxford Economic Papers*, *Papers in Regional Science*, *PLoS ONE*, *Population and Environment*, *Political and Military Sociology*, *Proceedings of the National Academy of Sciences (PNAS)*, *Regional Studies*, *Review of Development Economics*, *Review of Economics and Statistics*, *Review of Industrial Organization*, *Review of International Economics*, *Review of International Organizations*, *Review of World Economics*, *Spanish Economic Review*, *Studies in Nonlinear Dynamics and Econometrics*, *Scottish Journal of Political Economy*, *Spatial Economic Analysis*, *Structural Change and Economic Dynamics*, *Vienna Yearbook of Population Research*, *Working Papers Series of the Czech National Bank*, *Working Papers Series of the European Central Bank*, *World Bank Economic Review*, *World Development*, *Zeitschrift für öffentliches Recht (Journal of Public Law)*.

## LANGUAGE SKILLS

- Spanish: native speaker
- English: proficient
- German: proficient
- Japanese: basic knowledge