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## PERSONAL

Born September 1, 1975 in Sevilla (Spain), married, three children

## EMPLOYMENT

- 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)
- 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

- Governance in Socio-Economic Pathways and its Role for Future Adaptive Capacity (with M. Andrijevic, R. Muttarak and C-F. Schleussner), *Nature Sustainability*, forthcoming.
- Education Rather than Age Structure Brings Demographic Dividend (with W. Lutz, E.B. Kebede, A. Fürnkranz-Prskawetz, W. Sanderson and E. Striessnig), *Proceedings of the National Academy of Sciences (PNAS)*, Vol. 116 (2019): 12798–12803.
- Climate, Conflict and Forced Migration (with G. Abel, M. Brottrager and R. Muttarak), *Global Environmental Change*, Vol. 54 (2019): 239–249.
- Spillovers from US Monetary Policy: Evidence from a Time-Varying Parameter GVAR Model (with G. Doppelhofer, M. Feldkircher and F. Huber), *Journal of the Royal Statistical Society: Series A (Statistics in Society)*, Vol. 182 (2019): 831–861.
- On the Empirics of Reserve Requirements and Economic Growth (with G. von Schweinitz and K. Wendt), *Journal of Macroeconomics*, Vol. 60 (2019): 253–274.
- Deforestation and Economic Development: Evidence from National Borders (with M. Heger), *Land Use Policy*, Vol. 84 (2019): 347–353.
- Bivariate Jointness Measures in Bayesian Model Averaging: Solving the Conundrum (with B. Grün, P. Hofmarcher, S. Humer and M. Moser), *Journal of Macroeconomics*, Vol. 57 (2018): 150–165.
- Exchange Rate Forecasting and the Performance of Currency Portfolios (with I. Fortin and J. Hlouskova), *Journal of Forecasting*, Vol. 37 (2018): 519–540.
- Fundamentals, Speculation or Macroeconomic Conditions? Modelling and Forecasting Arabica Coffee Prices (with J. Hlouskova and M. Obersteiner), *European Review of Agricultural Economics*, Vol. 45 (2018): 583–615.
- Democracy, Geography and Model Uncertainty (with S. Humer and D. Oberdabernig), *Scottish Journal of Political Economy*, Vol. 65 (2018): 154–185.
- Does Income Inequality Affect Aggregate Consumption? Revisiting the Evidence (with J. Kubala and K. Petrikova), *Empirical Economics*, Vol. 55 (2018): 905–912.
- Will the Sustainable Development Goals be fulfilled? Assessing present and future global poverty (with W. Fengler, H. Kharas, K. Bekhtiar, M. Brottrager and M. Hofer), *Palgrave Communications*, 29 (2018).
- Human Capital Accumulation and Long-Term Income Growth Projections for European Regions (with G. Doppelhofer, F. Huber and P. Piribauer), *Journal of Regional Science*, Vol. 58 (2018): 81–99.
- Credit Where Credit Is Due: An Approach to Education Returns Based on Shapley Values (with B. Barakat), *Education Economics*, Vol. 25 (2017): 533–541.
- Weighting Schemes in Global VAR Modelling: A Forecasting Exercise (with F. Martin), *Letters in Spatial and Resource Sciences*, Vol. 10 (2017): 45–56.
- Income Projections for Climate Change Research: A Framework Based on Human Capital Dynamics, *Global Environmental Change*, Vol. 42 (2017): 226–236.
- The Shared Socioeconomic Pathways and their energy, land use, and greenhouse gas emissions implications: An overview (with K. Riahi, D.P. van Vuuren, E. Kriegler, J. Edmonds, B.C. O'Neill, S. Fujimori, N. Bauer, K. Calvin, R. Dellink, O. Fricko, W. Lutz, A. Popp, S. KC, M. Leimbach, L. Jiang, T. Kram, S. Rao, J. Emmerling, K. Ebi, T. Hasegawa, P. Havlik, F. Humpender, L.A. Da Silva, S. Smith, E. Stehfest, V. Bosetti, J. Eom, D. Gernaat, T. Masui, J. Rogelj, J. Streer, L. Drouet, V. Krey, G. Luderer, M. Harmsen, K. Takahashi, L. Baumstark, J.C. Doelman, M. Kainuma, Z. Klimont, G. Marangoni, H. Lotze-Campen, M. Obersteiner, A. Tabeau and M. Tavoni), *Global Environmental Change*, Vol. 42 (2017): 153–168.
- Economic Development and Forest Cover: Evidence from Satellite Data (with O. Danylo, S. Fritz, I. McCallum, M. Obersteiner, L. See and B. Walsh), *Scientific Reports*, Vol. 7 (2017): 40678.
- Forecasting with Global Vector Autoregressive Models: A Bayesian Approach (with M. Feldkircher and F. Huber), *Journal of Applied Econometrics*, Vol. 31 (2016): 1371–1391.
- Forecasting Errors, Directional Accuracy and Profitability of Currency Trading: The Case of EUR/USD Exchange Rate (with M. Costantini and J. Hlouskova), *Journal of Forecasting*, Vol. 35 (2016): 652–668.

- Bayesian Variable Selection in Spatial Autoregressive Models (with P. Piribauer), *Spatial Economic Analysis*, Vol. 11 (2016): 457–479.
- The Dynamics of Returns to Education in Uganda: National and Subnational Trends (with A. Raggl), *Development Policy Review*, Vol. 34 (2016): 385–422.
- Aging and Income Convergence in Europe: A Survey of the Literature and Insights from a Demographic Projection Exercise (with E. Loichinger and G. Vincelette), *Economic Systems*, Vol. 40 (2016): 4–17.
- Why is Income Inequality Increasing in the Developed World? (with M. Roser), *Review of Income and Wealth*, Vol. 62 (2016): 1–27.
- Unveiling Covariate Inclusion Structures In Economic Growth Regressions Using Latent Class Analysis (with B. Grün, P. Hofmarcher, S. Humer and M. Moser), *European Economic Review*, Vol. 81 (2016): 189–202.
- The Demography of Human Development and Climate Change Vulnerability: A Projection Exercise (with W. Lutz), *Vienna Yearbook of Population Research*, Vol. 13 (2015): 241–261.
- Last Night a Shrinkage Saved My Life: Economic Growth, Model Uncertainty and Correlated Regressors (with B. Grün, P. Hofmarcher and K. Hornik), *Journal of Forecasting*, Vol. 34 (2015): 133–144.
- Aggregativity: Estimating Gravity Models from Aggregate Data (with H. Badinger), *Applied Economics*, Vol. 47 (2015): 2119–2126.
- Energy Inflation and House Price Corrections (with A. Breitenfellner and P. Mayer), *Energy Economics*, Vol. 48 (2015): 109–116.
- Firm Growth and Productivity in Belarus: New Empirical Evidence from the Machine Building Industry (with H. Oberhofer and G. Vincelette), *Journal of Comparative Economics*, Vol. 43 (2014): 726–738.
- Prospective Ageing and Economic Growth in Europe (with M. Labaj and P. Pruzinsky), *Journal of the Economics of Ageing*, Vol. 3 (2014): 50–57.
- Modelling the Macroeconomic Impact of Future Trajectories of Educational Development in Least Developed Countries (with S. Basten), *International Journal of Educational Development*, Vol. 36 (2014): 4450.
- Demand and Supply Drivers of Foreign Currency Loans in CEECs: A Meta-Analysis (with J. Fidrmuc and M. Hake), *Economic Systems*, Vol. 38 (2014): 26–42.
- Economic Growth and Inflation in Europe: A Tale of Two Thresholds (with M.A. Silgoner), *Journal of Common Market Studies*, Vol. 58 (2014): 843–860.
- Institutional Barriers and Job Creation in Central and Eastern Europe (with H. Oberhofer and G. Vincelette), *IZA Journal of European Labor Studies*, Vol. 3 (2014): 3.
- Is the Demographic Dividend an Education Dividend? (with W. Lutz and W. Sanderson), *Demography*, Vol. 51 (2014), 299–315.
- The Determinants of Economic Growth in European Regions (with G. Doppelhofer and M. Feldkircher), *Regional Studies*, Vol. 48 (2014), 44–67.
- Deregulation and Demographic Change: A Key to Understanding Whether Religious Plurality Leads to Strife (with B.J. Grim and V. Skirbekk), *Interdisciplinary Journal of Research on Religion*, Vol. 9 (2013), 1–19.
- Income Convergence Prospects in Europe: Assessing the Role of Human Capital Dynamics (with M. Havettova and M. Labaj), *Economic Systems*, Vol. 37 (2013), 493–507.
- The Age-Productivity Pattern: Do Location and Sector Affiliation Matter? (with B. Mahlberg, I. Freund and A. Fürnkranz-Prskawetz), *Journal of the Economics of Ageing*, Vol. 1–2 (2013), 72–82.
- Business Cycle Convergence in EMU: A Second Look at the Second Moment (with O. Fernández Amador), *Journal of International Money and Finance*, Vol. 37 (2013), 239–259.
- Business Cycle Convergence in EMU: A First Look at the Second Moment (with O. Fernández Amador), *Journal of Macroeconomics*, Vol. 37 (2013), 265–284.
- Spatial Filtering, Model Uncertainty and the Speed of Income Convergence in Europe (with M. Feldkircher), *Journal of Applied Econometrics*, Vol. 28 (2013), 720–741.
- Ageing, Productivity and Wages in Austria (with B. Mahlberg, I. Freund and A. Fürnkranz-Prskawetz), *Labour Economics*, Vol. 22 (2013), 5–15.

- Explaining the Persistence of Profits – A Time Varying Approach (with A. Gschwandtner), *International Journal of the Economics of Business*, Vol. 20 (2013), 125–140.
- Borders Redrawn: Measuring the Statistical Creation of International Trade (with M. Roser), *The World Economy*, Vol. 35 (2012), 946–952.
- Human Capital, Age Structure and Growth Fluctuations (with T. Mishra), *Applied Economics*, Vol. 43 (2011), 4311–4329.
- Oil and the Duration of Dictatorships (with H. Oberhofer and P. Raschky), *Public Choice*, Vol. 148 (2011), 505–530.
- How Different is Africa? *Journal of Applied Econometrics*, Vol. 26 (2011) 1041–1047.
- The Determinants of Regional Economic Growth by Quantile (with N. Foster and R. Stehrer), *Regional Studies*, Vol. 45 (2011), 809–826.
- The Role of Age-Structured Education Data for Economic Growth Forecasts (with T. Mishra), *Journal of Forecasting*, Vol. 30 (2011), 249–267
- Natural Disasters and Human Capital Accumulation, *World Bank Economic Review*, Vol. 24 (2010), 280–302.
- Demography, Education and Democracy: Global Trends and the Case of Iran (with W. Lutz and M.J. Abbasi-Shavasi), *Population and Development Review*, Vol. 36 (2010), 253–281.
- An "Almost-Too-Late" Warning Mechanism for Currency Crises (with T. Slacik), *Economics of Transition*, Vol. 18 (2010), 123–141.
- On the Effectiveness and Limits of Fiscal Stabilizers (with G. Reitschuler and M.A. Silgoner), *Applied Economics*, Vol. 43 (2009) 1079–1086.
- 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), 214226.
- 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.
- Beating the Random Walk in Central and Eastern Europe (with J. Hlouskova), *Journal of Forecasting*, Vol. 24 (2005), 189–201.
- Using Pre-EMU Data to Assess Monetary Policy in the Euro Area (with E. Gnan and D. Ritzberger-Grünwald), *Economic Modelling*, Vol. 21 (2004), 1003–1014.
- The Natural Rate of Interest: A Euro Area Perspective (with E. Gnan and D. Ritzberger-Grünwald), *Empirica*, Vol. 31 (2004), 185–204.
- Forecasting Exchange Rates in Transition Economies: A Comparison of Multivariate Time Series Models (with J. Hlouskova), *Empirical Economics*, Vol. 21 (2004), 787–801.
- Ricardian Equivalence Revisited: Evidence from OECD Countries (with G. Reitschuler), *Economics Bulletin*, Vol. 5 (2004), 1–10.
- A Nonlinear Defense-Growth nexus? Evidence from the US Economy (with G. Reitschuler), *Defence and Peace Economics*, Vol. 15 (2004), 71–82.
- 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.
- Point Splitting and Condorcet Criteria, *The Mathematical Intelligencer*, Vol. 23 (2001), 23–26.

#### PUBLICATIONS IN BOOKS AND NON-PEER-REVIEWED JOURNALS

- Optimal Life-Cycle Education Decisions of Atomistic Individuals (with B. Skritek, A.V. Kryazhinskii, K. Prettnner, 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, forthcoming.
- Teach Your Children Well: The Dynamics of the Distribution of Educational Attainment in Europe (with P. Sauer), *Wirtschaftspolitische Blätter*, 2015/3: 579-590.
- *EU11 Regular Economic Report: Faltering Recovery*. (various authors), The World Bank, Washington DC. 2013.
- *EU11 Regular Economic Report: Coping with External Headwinds*. (various authors), The World Bank, Washington DC. 2012.
- *Belarus Country Economic Memorandum: Economic Transformation for Growth* (various authors), The World Bank, Washington DC. 2012.
- 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.
- The Economic Transmission of Fiscal Policy Shocks from Western to Eastern Europe (with M. Eller and A. Mehrotra), in *Focus on European Economic Integration 2/11*, Oesterreichische Nationalbank, 2011.

- Unpleasant Surprises: Determinants and Risks of Sovereign Default (with L. Bandiera and G.A. Vincelette) in *Sovereign Debt and the Financial Crisis*, Primo Braga, C.C. and Vincelette, G.A. (eds). The World Bank, Washington DC. 2011.
- Regional Convergence in Europe and the Role of Urban Agglomerations (with M. Feldkircher and P. Mayerhofer), in *Focus on European Economic Integration* 3/10,
- 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
- Could Markets Have Helped Predict the Puzzling Exchange Rate Path in CESEE Countries during the Current Crisis? (with A. Gersl and T. Slacik) in *Focus on European Economic Integration* 1/10, Oesterreichische Nationalbank, 2010.
- Debt Relief and Education in Heavily Indebted Poor Countries (with G. Vincelette), in *Debt Relief and Beyond. Lessons Learned and Challenges Ahead*, Primo Braga, C. A. and Dömeland, D. (eds). The World Bank, Washington DC. 2009.
- Drivers of Growth in Fragile States: Has the HIPC Process Helped Fragile Countries Grow? (with L. Bandiera and G. Vincelette), in *Debt Relief and Beyond. Lessons Learned and Challenges Ahead*. Primo Braga, C. A. and Dömeland, D. (eds). The World Bank, Washington DC. 2009.
- Determinants of Crude Oil Prices: Supply, Demand, Cartel or Speculation? (with A. Breitenfellner and C. Keppel) in *Monetary Policy and the Economy* 04/09, Oesterreichische Nationalbank, 2009.
- Economic Growth Determinants for European Regions: Is Central and Eastern Europe Different? (with G. Doppelhofer and M. Feldkircher) in *Focus on European Economic Integration* 3/09, Oesterreichische Nationalbank, 2009.
- Okun's Law. Entry in *The New Palgrave Dictionary of Economics*, 2nd edition, edited by Steven N. Durlauf and Lawrence E. Blume, Palgrave Macmillan (Basingstoke and New York), 2008.
- Crude Oil Prices and the USD/EUR Exchange Rate (with A. Breitenfellner) in *Monetary Policy and the Economy* 4/08, Oesterreichische Nationalbank, 2008.
- Four Monetary Policy Strategies – How Do Central Banks Deal with Financial Instability? (with E. Gnan) in *Monetary Policy and the Economy* 3/08, Oesterreichische Nationalbank, 2008.
- The Impact of EU Enlargement in 2004 and 2007 on FDI and Migration Flows Gravity Analysis of Factor Mobility (with A. Breitenfellner, P. Mooslechner and D. Ritzberger-Grünwald) in *Monetary Policy and the Economy* 2/08, Oesterreichische Nationalbank, 2008.
- Determinants of Currency Crises: A Conflict of Generations? (with T. Slacik) in *Focus on European Economic Integration* 1/08, Oesterreichische Nationalbank, 2008.
- On the Determinants of Currency Crises: The Role of Model Uncertainty (with T. Slacik) in *Focus on European Economic Integration* 2/07, Oesterreichische Nationalbank, 2007.
- Blessing or Curse? An Industry-Level Analysis of FDI Effects on Productivity and Wages in CEECs (in C. Fillat Castejn, M.A. Silgoner and J. Woerz) in *Foreign Direct Investment in Europe: A Changing Landscape*, Liebscher, Christl, Mooslechner and Ritzberger-Grünwald (eds.), Edward Elgar, 2007.
- Predicting Currency Crises Using the Term Structure of Relative Interest Rates: Case Studies of the Czech Republic and Russia (with T. Slacik) in *Focus on European Economic Integration* 1/07, Oesterreichische Nationalbank, 2007.
- Price Level Convergence in Europe: Did the Introduction of the Euro Matter? (with B. Egert and M. Silgoner) in *Monetary Policy and the Economy* 1/07, Oesterreichische Nationalbank, 2007.
- Interest Rate Pass-Through in Central and Eastern Europe: Reborn from Ashes Merely to Pass Away? (with B. Egert and T. Reininger), in *Focus on European Economic Integration* 1/06, Oesterreichische Nationalbank, 2006.

- Oil Price Shock, Energy Prices and Inflation – A Comparison of Austria and the EU (with M. Arpa, E. Gnan and M. Silgoner), in *Monetary Policy and the Economy* Q1/06, Oesterreichische Nationalbank, 2006.
- Stubborn Inflation in Austria? Introduction and a Very Long-Term View (with E. Gnan), in Price Setting and Inflation Persistence in Austria, *Proceedings of OeNB Workshops*, Oesterreichische Nationalbank, 2006.
- The Natural Rate of Interest - Concepts and Appraisal for the Euro Area (with E. Gnan and D. Ritzberger-Grünwald), in *Monetary Policy and the Economy* 4/05, Oesterreichische Nationalbank, 2005.
- Evaluating Euro Exchange Rate Predictions from a Battery of Multivariate Models (with I. Fortin and J. Hlouskova), in Macroeconomic Forecasts and Models for Austria, *Proceeding of OeNB Workshops*, Oesterreichische Nationalbank, 2005.
- Exchange Rate Developments and Fundamentals in Four EU Accession and Candidate Countries: Bulgaria, Croatia, Romania and Turkey (with J. Fidrmuc and M. A. Silgoner), in *Focus on European Economic Integration* 2/04, Oesterreichische Nationalbank, 2004.
- Monetny Model Vymenneho Kurzu Slovenskej Koruny (Monetary Model of Exchange Rate of the Slovak Koruna, with J. Fidrmuc and R. MacDonald), *Ekonomicky Casopis (Journal of Economics)* 52/2004, 915-928.
- Nonlinear Exchange Rate Dynamics in Target Zones: A Bumpy Road Toward a Honeymoon: Some Evidence from the ERM, ERM II and Selected New EU Member States (with B. Egert and R. MacDonald), in *Focus on European Economic Integration* 1/04, Oesterreichische Nationalbank, 2004.
- On the Determinants of Absorptive Capacity: Evidence from OECD Countries (with N. Foster and J. Scharler), in Current Issues of Economic Growth, *Proceeding of OeNB Workshops*, Oesterreichische Nationalbank, 2004.
- 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

- 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), ERSAs 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), ERSAs 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); ERSAs 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; ERSAs Conference (Bratislava); EcoMod 2012 (Sevilla).
- 2011: Research seminars: Kiel Institute for the World Economy, Economics University in Bratislava; Inclusive Growth Diagnostic Analysis Conference (Nairobi); ERSAs 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). 10



- 2009: Research seminars: Erasmus University, University of Oldenburg, World Bank Brown Bag Seminar, University of Cambridge; Simposio de Analisis Economico (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 Analisis Economico (Zaragoza), Debt Relief and Beyond: A World Bank Conference on Debt and Development (Washington, DC).
- 2007: Research seminars: National Bank of Poland; Workshop Politicas Macroeconomicas, Universidad Internacional Menendez 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 Politicas Macroeconomicas, Universidad Internacional Menendez Pelayo (Sevilla), Emerging Markets Workshop (Helsinki), Vienna-Bratislava Economics Meeting. 2005: Research seminars: Bank of Slovenia; Workshop Politicas Macroeconomicas, Universidad Internacional Menendez 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 publicas, politica fiscal espanola e integracion europea, Universidad Internacional Menendez Pelayo, Euroframe Conference: Fiscal Policies in the European Union (Paris), Jornadas Beticas de Macroeconomia Dinamica (Malaga), 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 Analisis Economico (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 many others.

### HONOURS AND AWARDS

- 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

Articles on my research have 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 and blogs.

### OTHER PROFESSIONAL ACTIVITIES

- Editor, *German Economic Review*, *Applied Economic Analysis (AEA)*
- Member of the editorial board of *Economic Systems* (2014-2018), *Empirica* and *Panoeconomicus*.
- 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 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 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, Nature Energy, Oxford Bulletin of Economics and Statistics, Oxford Economic Papers, Papers in Regional Science, PLoS ONE, Population and Environment, Political and Military Sociology, 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, Zeitschrift für öffentliches Recht (Journal of Public Law).*

### **LANGUAGE SKILLS**

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