CURRICULUM VITAE OF MARTIN WAGNER

August 23, 2021

PERSONAL DATA:

Date and Place of Birth:	September 2, 1972 in Amstetten, Lower Austria
Nationality:	Austria
Marital Status:	Single

LANGUAGES:

German:	Mother tongue
English:	Fluent
French:	Intermediate
Italian:	Beginner
Slovene:	Beginner

CURRENT POSITIONS:

10/2019 – Full Professor of Economics, University of Klagenfurt

10/2019 – Chief Economic Advisor, Bank of Slovenia (part-time position); Member of the ESCB Monetary Policy Committee

10/2011 – Fellow of the Institute for Advanced Studies Vienna (Member of the Macroeconomics and Business Cycles Group)

CURRENT ADDITIONAL AFFILIATIONS:

2019 – Euro Area Business Cycle Network, Member of Steering Committee

2012 – Visiting Professor, University of Ljubljana

EARLIER POSITIONS AND AFFILIATIONS:

10/2012 – 9/2019 Full Professor of Econometrics and Statistics, Technical University Dortmund [On leave: 10/2017 – 1/2019]

10/2017 – 12/2018 Chief Economist/Executive Director with Full Managerial Responsibility for the Economics/Analysis Sector of the Bank of Slovenia

- The sector comprised four departments: Analysis and Research (Economics), Financial Stability and Macroprudential Policy, Financial Statistics, and International Relations; about 90-95 FTE

- Responsibility for all managerial and development tasks for the sector.
- Member of the Monetary Policy, Research and Supervision Committees of the Bank of Slovenia
- Member of the Monetary Policy Committee and the Heads of Research Committee at the ECB/ESCB level
- Member of the Advisory Board and Governance Steering Group of the Center for Excellence in Finance (from 12/2017)
- Consultant from 1/2019-9/2019

10/2014 – 9/2016	External Researcher, Bank of Slovenia
Fall 2014	Visiting Professor Vienna University of Technology
2013 – 2019	Faculty Member, Ruhr Graduate School in Economics
10/2011 – 9/2012	Full Professor of Empirical Economics and Econometrics, University of Graz; Visiting professor: 10/2012-6/2013
4/2011 – 9/2011	Substitute Professor (1/3 position) for Economics, especially Microeconometrics, University of Hamburg
2009 – 2012	Scientific Advisor, Frisch Centre for Economic Research, Oslo
10/2007 – 12/2007	Economist, Short-term appointment, Directorate General Economics, European Central Bank, Frankfurt
4/2007 – 9/2011	Senior Research Economist in the Department of Economics and Finance, Institute for Advanced Studies, Vienna
9/2005 – 3/2007	Assistant Professor in the Department of Economics and Finance, Institute for Advanced Studies, Vienna
1/2005 – 7/2005	Jean Monnet Fellow, Economics Department, European University Institute, Florence
2/2003 – 1/2004	Visiting Research Fellow, Department of Economics, Woodrow Wilson School and Carbon Mitigation Initiative, Princeton University
1/2000 – 8/2005	Assistant Professor in the Department of Economics, University of Bern
9/1998 – 12/1999	Assistant Professor in the Department of Economics and Finance, Institute for Advanced Studies, Vienna
6/1995 – 8/1998	Assistant at the Institute of Econometrics, Operations Research and Systems Theory, Vienna University of Technology

EDUCATION AND DEGREES:

10/1990 – 4/1995	Technical Mathematics (Mathematics for Economics) at the Vienna University of Technology, degree awarded: Dipl.Ing. (supervisor: Prof. Manfred Deistler)
	Participation in the Post-Graduate Program in Business, Law and Economics at the Vienna University of Technology
10/1996 – 9/1998	Postgraduate Program in Economics at the Institute for Advanced Studies, Vienna, awarded: Diploma in Economics
3/2000	Completed doctoral studies at the Vienna University of Technology, degree awarded: Dr. techn. (supervisor: Prof. Werner Ploberger)
7/2007	Habilitation in Economics, University of Bern, title: Privat-dozent (PD), referees: Prof. Manfred Deistler, Prof. Klaus Neusser and Prof. Werner Ploberger

AWARDS, HONORS AND OFFERS:

- "Leistungsstipendium" (Merit scholarship) from Vienna University of Technology (several times)

- Full Scholarship for the Program in Economics, Institute for Advanced Studies Vienna

- Young Economist Award of the Austrian Economic Association (NOeG), 2006

- Gumbel Lecture at the Annual Meeting of the German Statistical Association (Statistische Woche), October 2009

- Morgenstern Award of the Institute for Advanced Studies: December 2011, December 2012

- Offers for Full Professorships: U Konstanz (2007, W3 Statistics and Econometrics), Helmut Schmidt U Hamburg (2007, W3 Statistics and Econometrics), U Hamburg (2010, W3 Economics, especially Microeconometrics), U Graz (2011, Empirical Economics and Econometrics), U Mainz (2011, W3 Statistics), TU Dortmund (2011, W3 Econometrics and Statistics), Karlsruhe Institute of Technology (2012, W3 Econometrics), Maastricht University (2017, Full Professor Econometrics), University of Klagenfurt (2018, Full Professor of Economics), European Business School (2021, Full Professor of Econometrics)

- Winner of the “Lehrinnovationspreis” (Prize for Innovation in Teaching) of the Faculty of Business, Economics and Social Sciences, TU Dortmund, Fall Semester 2016/17 (for the First Semester Statistics Course)

PUBLICATIONS:

Refereed Journals:

1. Reynolds, J., L. Sögner and M. Wagner (2021): *Deviations from Triangular Arbitrage Parity in Foreign Exchange and Bitcoin Markets.* Central European Journal of Economic Modelling and Econometrics **13**, 105 – 146.

2. Knorre, F., M. Wagner and M. Grupe (2021): *Monitoring Cointegrating Polynomial Regressions: Theory and Application to the Environmental Kuznets Curves for Carbon and Sulfur Dioxide Emissions.* Econometrics **9,** 12 (35 pages).

3. Bauer, D., L. Matuschek, P. de Matos Ribeiro and M. Wagner (2020): *A State Space Parameterization for Unit Root Processes: Structure Theory with a Focus on Hypothesis Testing.* Econometrics **8**, 42 (54 pages).

4. Wagner, M., P. Grabarczyk and S.H. Hong (2020): *Fully Modified OLS Estimation and Inference for Seemingly Unrelated Cointegrating Polynomial Regressions and the Environmental Kuznets Curve for Carbon Dioxide Emissions.* Journal of Econometrics **214**, 216 – 255.

5. Stypka, O. and M. Wagner (2019): *The Phillips Unit Root Tests for Polynomials of Integrated Processes Revisited*. Economics Letters **176**, 109 – 113.

6. Wagner, M. and A. Zeileis (2019): *Heterogeneity and Spatial Dependence of Regional Growth in the European Union: A Recursive Partitioning Approach*. German Economic Review **20**, 67 – 82.

7. Grabarczyk, P., M. Wagner, M. Frondel and S. Sommer (2018): *A Cointegrating Polynomial Regression Analysis of the Material Kuznets Curve Hypothesis.* Resources Policy **57**, 236 – 245.

8. Wagner, M. and D. Wied (2017): *Consistent Monitoring of Cointegrating Relationships: The US Housing Market and the Subprime Crisis*. Journal of Time Series Analysis **38**, 960 – 980.

9. Deistler, M. and M. Wagner (2017): *Cointegration in Singular ARMA Models*. Economics Letters **155**, 39 – 42.

10. Wagner, M. and S.H. Hong (2016): *Cointegrating Polynomial Regressions: Fully Modified OLS Estimation and Inference.* Econometric Theory **32**, 1289 – 1315.

11. Wagner, M. (2015): *The Environmental Kuznets Curve, Cointegration and Nonlinearity*. Journal of Applied Econometrics **30**, 948 – 967.

12. Wagner, M. and J. Hlouskova (2015): *Growth Regressions, Principal Components and Frequentist Model Averaging.* Jahrbücher für Nationalökonomie und Statistik **235**, 642 – 662.

13. Pedroni, P., T.J. Vogelsang, M. Wagner and J. Westerlund (2015): *Nonparametric Rank Tests for Non-Stationary Panels.* Journal of Econometrics **185**, 378 – 391.

14. Vogelsang, T.J. and M. Wagner (2014): *Integrated Modified OLS Estimation and Fixed-b Inference for Cointegrating Regressions.* Journal of Econometrics **178**, 741 – 760.

15. Hlouskova, J. and M. Wagner (2013): *The Determinants of Long-Run Economic Growth: A Conceptually and Computationally Simple Approach*. Swiss Journal of Economics and Statistics **149**, 445 – 492.

16. Vogelsang, T.J. and M. Wagner. (2013): *A Fixed-b Perspective on the Phillips-Perron Tests*. Econometric Theory **29**, 609 – 628.

17. Bauer, D. and M. Wagner. (2012): *A State Space Canonical Form for Unit Root Processes*. Econometric Theory **28**, 1313 – 1349.

18. Schneider, U. and M. Wagner. (2012): *Catching Growth Determinants with the Adaptive LASSO*. German Economic Review **13**, 71 – 85.

19. Wagner, M. (2012): *The Phillips Unit Root Tests for Polynomials of Integrated Processes.* Economics Letters **114**, 299 – 303.

20. Wagner, M. (2010): *Cointegration Analysis with State Space Models.* Advances in Statistical Analysis **94**, 273 – 305.

21. Wagner, M. and J. Hlouskova (2009): *The Performance of Panel Cointegration Methods: Results from a Large Scale Simulation Study.* Econometric Reviews **29**, 182 – 223.

22. Hlouskova, J. and M. Wagner (2009): *Finite Sample Correction Factors for Panel Cointegration Tests*. Oxford Bulletin of Economics and Statistics **71**, 851 – 881.

23. Bauer, D. and M. Wagner (2009): *Using Subspace Algorithm Cointegration Analysis: Simulation Performance and Application to the Term Structure*. Computational Statistics and Data Analysis **53**, 1954 – 1973.

24. Hlouskova, J., K. Schmidheiny and M. Wagner (2009): *Multistep Predictions for Multivariate GARCH Models: Closed Form Solution and the Value for Portfolio Management*. Journal of Empirical Finance **16**, 330 – 336.

25. Wagner, M. (2008): *Economic Valuation of Environmental Problems Using the Contingent Valuation Method*. IB Revija **42**, 104 – 112.

26. Wagner, M. (2008): *On PPP, Unit Roots and Panels*. Empirical Economics **35**, 229 –249.

27. Wagner, M. (2008): *The Carbon Kuznets Curve: A Cloudy Picture Emitted by Bad Econometrics?* Resource and Energy Economics **30**, 388 – 408.

28. Müller-Fürstenberger, G. and M. Wagner (2007): *Exploring the Environmental Kuznets Hypothesis: Theoretical and Econometric Problems*. Ecological Economics **62**, 648 – 660.

29. Hlouskova, J. and M. Wagner (2006): *The Performance of Panel Unit Root and Stationarity Tests: Results from a Large Scale Simulation Study*. Econometric Reviews **25**, 85 – 116.

30. Wagner, M. (2005): *The Balassa-Samuelson Effect in 'East & West': Differences and Similarities*. Jahrbuch für Wirtschaftswissenschaften/Review of Economics **56**, 230 – 248.

31. Bradford, D., R. Fender, S. Shore and M. Wagner (2005): *The Environmental Kuznets Curve: Exploring a Fresh Specification*. Contributions to Economic Analysis and Policy **4**, No.1, Article 5, Berkeley Electronic Press.

32. Wagner, M. and J. Hlouskova (2005): *CEEC Growth Projections: Certainly Necessary and Necessarily Uncertain.* Economics of Transition **13**, 341 – 372.

33. Wagner, M. (2004): *A Comparison of Johansen's, Bierens' and the Subspace Algorithm Method for Cointegration Analysis*. Oxford Bulletin of Economics and Statistics **66**, 399 – 424.

34. Bauer, D. and M. Wagner (2002): *Estimating Cointegrated Systems Using Subspace Algorithms*. Journal of Econometrics **111**, 47 – 84.

35. Böhm, B., A. Gleiss, M. Wagner and D. Ziegler (2002): *Disaggregated Capital Stock Estimation for Austria – Methods, Concepts and Results*. Applied Economics **34**, 23 – 37.

36. Wagner, M. (1998): *Economic Valuation Methods for Environmental Problems, Part I*. IB Revija **32**, 3 – 13.

Other Publications:

1. Kunst, R.M. and M. Wagner (2020): Editor's Introduction. Special Volume on Economic Forecasting. Empirical Economics **58**, 1 – 5.

2. Wagner, M. and F. Knorre (2019): *Bruttoinlandsprodukt, Treibhausgase und globale Erderwärmung.* In Krämer, W. and C. Weihs (Eds.): Faszination Statistik, Springer, Chapter 16, 120 – 127.

3. Wagner, M. (2018): *Estimation and Inference for Cointegrating Regressions.* Oxford Research Encyclopedia in Economics and Finance.

4. De Matos Ribeiro, P., L. Matuschek and M. Wagner (2017): Review of: *State-Space Methods for Time Series Analysis: Theory, Applications and Software* by Casals J. et al, Chapman and Hall/CRC, Statistical Papers **58**, 555 – 556.

5. Wagner, M. (2017). Discussion of: *The Quantity of Corporate Credit Rationing with Matched Bank-Firm Data* by Burlon L. et al. In Banerjee, B. and F. Coricelli (Eds.): Crisis, Credit and Resource Misallocation: Evidence from Europe During the Great Recession, CEPR eBook.

6. Aschersleben, P., M. Wagner and D. Wied (2015): *Monitoring Euro Area Real Exchange Rates*. Springer Proceedings in Mathematics and Statistics **122**, 363 – 370.

7. Banerjee, A. and M. Wagner (2009): *Panel Methods to Test for Unit Roots and Cointegration*. In T.C. Mills and K. Patterson (Eds.): Palgrave Handbook of Econometrics – Vol. II, Chapter 13, 632 – 726.

8. Bauer, D. and M. Wagner (2000): *Using Subspace Algorithms for the Analysis of Cointegrated Systems*. In: Proceedings of the 6th CEMAPRE Conference, 137 – 150.

9. Bauer, D. and M. Wagner (2000): *Subspace Algorithm Cointegration Analysis – An Application to Interest Rate Data*. In: Proceedings of the 15th International Workshop in Statistical Modelling: New Trends in Statistical Modelling, 146 – 151.

10. Deistler, M. and M. Wagner (2000): *On the Structure of Cointegration*. In Dockner, E. et al (Eds.): Optimization, Dynamics and Economic Analysis, Springer Verlag, 2000, 373 – 379.

11. Wagner, M. and M. Deistler, with Erhan, A. and H. Yildiz (1998): *Ökonomische und massenflussbasierte Verfahren zur Bewertung ökologischer Probleme (Economic and Material Flow Based Methods for the Evaluation of Environmental Problems)* published by SUSTAIN (85 pp).

12. Deistler, M. and M. Wagner (1997): *Comment on Herman Bierens: Nonparametric Cointegration Analysis*. In Heij, Ch. et al. (Eds.): System Dynamics in Economics and Finance, John Wiley and Sons, 241 – 243.

SUBMITTED PAPERS:

1. Stypka, O. and M. Wagner: *Cointegrating Multivariate Polynomial Regressions: Fully Modified OLS Estimation and Inference.* Submitted to Econometric Theory.

2. Wagner, M. and K. Reichold. *Panel Cointegrating Polynomial Regressions: Group-Mean Fully Modified Estimation and Inference*. Invited for resubmission to Econometric Reviews.

3. de Jong, R. and M. Wagner: *Panel Cointegrating Polynomial Regression Analysis and the Environmental Kuznets Curve.* Submitted to Econometrics and Statistics.

4. Stypka, O., M. Wagner, P. Grabarczyk and R. Kawka: *The Asymptotic Validity of "Standard" FM-OLS Estimation and Inference in Cointegrating Polynomial Regression Models*. Invited for resubmission to Econometric Theory.

5. Wagner, M. *Residual Based Cointegration and Non-Cointegration Tests for Cointegrating Polynomial Regressions.* Invited for resubmission to Empirical Economics.

WORK IN PROGRESS AND INCOMPLETE PAPERS:

1. Osbat, C., Y. Sun and M. Wagner: *Sectoral Exchange Rate Pass-Through in the Euro Area.*

2. Reichold, K., M. Wagner, Damjanovic, M. and M. Drenkovska: *Dissecting the Stability of the Phillips Curve in the Euro Area and its Member States*.

3. Sögner, L., J. Reynolds and M. Wagner: *Residual Based Consistent Bubble Detection.*

4. Grabarczyk, P., E. Hillebrand and M. Wagner: *A Nonparametric Cointegration Analysis of the Environmental Kuznets Curve for Carbon Dioxide Emissions.*

5. Kawka, R., O. Stypka and M. Wagner: *Integrated Modified OLS Estimation and Inference for Seasonally Cointegrating Regressions.*

6. Li, Y., T.J. Vogelsang and M. Wagner: *Integrated Modified OLS Estimation and Fixed-b Inference for Homogenous Cointegrated Panels.*

7. Sögner, L. and M. Wagner: *Fully Modified OLS Estimation of Spatially Correlated Cointegrated Systems.*

8. Bauer, D., P. de Matos Ribeiro, L. Matuschek and M. Wagner: *Inference on Cointegrating Ranks and Spaces of Multiple Frequency I(1) Processes: A State Space Approach.*

9. Bauer, D., P. de Matos Ribeiro, L. Matuschek and M. Wagner: *Pseudo Maximum Likelihood Estimation and Inference for Multiple Frequency I(1) Processes: A State Space Approach.*

10. Bauer, D., P. de Matos Ribeiro, L. Matuschek and M. Wagner: *Pseudo Maximum Likelihood Estimation and Inference for I(2) Processes: A State Space Approach.*

11. Bauer, D., P. de Matos Ribeiro, L. Matuschek and M. Wagner: *Stochastic Trends and Economic Fluctuations Reconsidered from the State Space.*

12. M. Wagner: *A Fixed-b KPSS-Type Test for Cointegration*.

13. Stypka, O. and M. Wagner: *Testing Linear Cointegration Against Smooth Transition Cointegration.*

14. Sakarya, N., M. Wagner and D. Wied: *Monitoring a Change from Spurious Regression to Cointegration*.

15. van Kampen, M. and M. Wagner: *Convergence Rates of Sieve Estimation in a Univariate Nonlinear Cointegration Model.*

16. Vetter, M., M. Wagner and R. Kawka: *Local FM-OLS Estimation of Cointegrating Relationships in an Integrated Locally Stationary Framework*.

17. Grabarczyk, P., M. Stuermer and M. Wagner: *A Cointegrating Polynomial Regression Analysis of the Intensity-of-Use Hypothesis for Metals.*

18. Wagner, M.: *Cointegrated Translog Relationships: Fully Modified and Integrated Modified OLS Estimation and Inference.*

19. Scholz. M. and M. Wagner: *Large Initial Values and Time Series Tests of the Convergence Hypothesis.*

20. Wagner, M. and S. Zeugner: *Model Averaging of Principal Components Augmented Regressions.*

21. Schneider, U. and M. Wagner: *LASSO-Type Estimators with Protected Variables*.

22. Hong, S.H. and M. Wagner: *Fully Modified Estimation of Seemingly Unrelated Nonlinear Cointegration Models*.

23. Wagner, M. and J. Hlouskova: *The Balassa-Samuelson Effect in Western Europe.*

24. Uhrin, G. and M. Wagner: *Enriching Monetary VARs Using Futures Market Data.*

COMPLETED PAPERS NOT CURRENTLY SUBMITTED:

1. Linnemann, L., G. Uhrin and M. Wagner: *Fiscal Shocks and Labor Productivity.*

2. Grabarczyk, P. and M. Wagner: *Integrated Modified OLS Estimation of Cointegrating Polynomial Regressions with an Application to the Environmental Kuznets Curve.*

3. Naevdal, E. and M. Wagner: *The Speed of Transition Revisited.*

4. Wagner, M. and J. Hlouskova: *What's Really the Story with this Balassa-Samuelson Effect in the CEECs?*

5. Bauer, D. and M. Wagner: *Autoregressive Approximations of Multiple Frequency I(1) Processes.*

6. Vogelsang, T. and M. Wagner: *An Integrated Modified OLS RESET Test for Cointegrating Relationships.*

7. Bauer, D. and M. Wagner: *Polynomial Cointegration.*

8. Wagner, M.: *Capital and Goods Market Integration and the Inequality of Nations.*

BOOK PROJECTS:

Banerjee, A. and M. Wagner: *The Theory and Practice of the Econometrics of Nonstationary Panels*, book contract with Springer [project dormant]

Neusser, K. and M. Wagner: *Zeitreihenanalyse in den Wirtschaftswissenschaften* (*4. Auflage),* Springer [fourth revised edition in progress]. Up to 3rd edition single authored by Klaus Neusser.

Wagner, M.: *Econometrics: The Linear Regression Model*, book contract with CRC Press/Taylor and Francis.

COOPERATION IN FUNDED RESEARCH PROJECTS AND CONSULTING:

1. *"Instability and Nonlinearity of Long-Run Money Demand: Econometric Theory and Empirical Analysis"*. Sponsored by the Austrian National Bank Jubiläumsfonds, Starting late 2021. [Volume: 249.000€, PI]

2. "*The Competitiveness of Austria and its Determinants*". Sponsored by the Austrian National Bank Jubiläumsfonds, January 2018 – December 2019. [Volume: 199.000€, Collaborator and Advisor]

3. "*Analyzing and Testing Arbitrage Parities*". Sponsored by the Austrian National Bank Jubiläumsfonds, September 2016 – August 2018. [Volume: 85.000€, Collaborator]

4. *"Estimation and Inference Theory for (Co-)Integrated Processes in the State Space Framework"*. Sponsored by Deutsche Forschungsgemeinschaft/German Science Foundation (joint with Dietmar Bauer, U Bielefeld), December 2015 – June 2020. [Volume: 188.334€ for TU Dortmund, PI]

5. Project Leader in projects A3 (Dynamic Modelling of Production Technologies; Co-PI with Christoph Schmidt and Manuel Frondel) and A4 (Factor Allocation and Pricing with Aggregate Risks on Financial Markets; Co-PI with Ludger Linnemann) in the Collaborative Research Center (*Sonderforschungsbereich) 823*. Sponsored by Deutsche Forschungsgemeinschaft/German Science Foundation. [Volume of subprojects: approx. 400.000€ for second funding period July 2013 – June 2017; approx. 500.000€ for the third funding period July 2017 – June 2021]

6. “*Erweiterungen des IM-OLS Schätzprinzips (Extensions of the IM-OLS Estimation Principle)*”. Sponsored by the Austrian National Bank Jubiläumsfonds, March 2013 – August 2014. [Volume: 106.210€, PI]

7. *“Development of Dynamic OLS Estimation Theory for Nonlinear Cointegrating Relationships with a Special Focus on Environmental Kuznets Curves”*. Sponsored by the Austrian National Bank Jubiläumsfonds, September 2009 – August 2010. [Volume: 75.000€, PI]

8. “*Managing Risk in Climate Change – A Dynamic Perspective”*. Project based at the Frisch Centre for Economic Analysis, Oslo, 2009 – 2012. [Overall project volume about 1 Mio. €, Scientific Advisor and Collaborator]

9. *“Growth and Convergence: Nonlinear but Smooth”* Sponsored by the Austrian National Bank Jubiläumsfonds, January 2006 – December 2008, [Volume: 65.000€, PI]

10. *“The Balassa-Samuelson Effect in the CEECs and its Impact on Growth and Convergence”*. Sponsored by the Austrian National Bank Jubiläumsfonds, July 2002 – December 2003. [Volume: 58.000€]

11. *The Relative Income Prospects of EU Accession Countries*, Project for the Austrian Ministry of Economic Affairs, Vienna, 2000. [Volume: 40.000€]

Smaller projects and involvements:

12. Occasional consultant for the Bank of Slovenia, 2010 – 2013

13. Consultant for the Vienna Institute for International Economic Studies for the Directorate General Regional Policy Project “*Analysis of the main factors of regional growth: An in-depth study of the best and worst performing European regions*”, 2008.

14. Consultant at the European Central Bank for modeling exchange rate pass-through, September 2005 – December 2005.

15. *“Identifying the Wage Setting Behavior in Austria and Slovenia”*, sponsored by the Austrian-Slovenian Friendship Society, 2002.

16. Consulting (on portfolio prediction) for OLZ and Partners Asset and Liability Management, Murten, Switzerland, 2002 – 2004

17. .*“The Macroeconomic Interdependenices between Austria and Slovenia”*, sponsored by the Austrian-Slovenian Friendship Society, 2000.

18. *IDEE – Industrial Dynamics and Employment in Europe*, Vienna University of Technology, EU Research Project (University of Nice, University of Siena, Vienna University of Technology), external collaborator, 1999.

19. Consulting (on modeling futures prices) for the company Market Research, Vienna, 1998 – 1999.

20. *"Capital Stock Estimation for Austria"*, Vienna University of Technology, Project for ÖSTAT (Statistics Austria), 1997 – 1998.

21. *"Methods for Evaluating Ecological Problems"*, Vienna University of Technology, Project for SUSTAIN, 1996.

PROJECT REPORTS:

1. Kluge, J., S. Lappöhn, K. Plank, A. Schnabl, M. Wagner, K. Weyerstraß, L. Wimmer and H. Zenz (2021). *Austria's Competitiveness and its Determinants: Concepts, Developements, Relative Performance and Policy Options*. Project report for Jubiläumsfonds of the Oesterreichische Nationalbank.

2. Schmidheiny, K. and M. Wagner (2002). *Evaluation von GARCH Modellen in der Portfoliooptimierung (Evaluation of GARCH Models for Portfolio Optimization)*, Report for OLZ and Partners Asset and Liability Management.

3. Institute for Advanced Studies Vienna, several authors (1998 - 2000). Prognose der österreichischen Wirtschaft (*Forecast of the Austrian Economy*), Five times per year.

4. Grozea-Helmenstein, D., C. Helmenstein, J. Hlouskova, and M. Wagner (2000). *Die relativen Einkommensaussichten der EU Beitrittswerber (The Relative Income Prospects of EU Accession Countries)*, Project Report for the Austrian Ministry of Economic Affairs.

5. Böhm, B., A. Gleiss, D. Ziegler, and M. Wagner (1998). *Kapitalstöcke: Theorie, Konzepte und Schätzung: Der private Sektor in Österreich (Capital Stocks: Theory, Concepts and Estimation: The Private Sector in Austria)*, Project Report for ÖSTAT (Austrian Statistical Agency), Institute of Econometrics, Operations Research and Systems Theory, Vienna University of Technology.

6. Böhm, B., A. Gleiss, D. Ziegler, and M. Wagner (1997). *Kapitalstöcke: Theorie, Konzepte und Schätzung: Der öffentliche Sektor in Österreich (Capital Stocks: Theory, Concepts and Estimation: The Public Sector in Austria)*, Project Report for ÖSTAT (Austrian Statistical Agency), Institute of Econometrics, Operations Research and Systems Theory, Vienna University of Technology.

TEACHING:

University of Klagenfurt

- Empirical Finance, Course for BSc and MSc programs in Business and Economics, Fall 2020
- Macroeconomics, Course for BSc programs in Business and Economics, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021 (alternating in German and English)
- Economic Policy, Course for BSc program in Business and Economics, every fall
- Case Studies in Economics: Money, Banks, Financial Markets and Economic Crises, Course for BSc and MSc programs in Business and Economics, Spring 2020
- Case Studies in Economics: The Economic Consequences of COVID-19, Fall 2020
- Introduction to Economics, Course for BSc program in Business and Economics, Spring 2020, Spring 2021
- Quantitative Methods for Business, Economics and Finance, PhD course, Spring 2021.
- Case Studies in Economics: Entrepreneurship, Innovation and Economic Development, Course for BSc and MSc programs in Business and Economics, Spring 2021
- Case Studies in Economics: Regional Economic Development, Course for BSc and MSc programs in Business and Economics, Fall 2021

University of Rijeka

- Panel Data Econometrics, PhD Course, Summer School, September 2021

Technical University Dortmund

- Statistics, Course for BSc program in Economics, Business and Social Sciences, Fall 2012, Fall 2013, Fall 2015, Fall 2016
- Econometrics, Course for BSc and MSc program in Statistics, Fall 2012, Fall 2013, Spring 2015, Spring 2016, Spring 2017
- Panel Data Econometrics, Course for MSc program in Statistics and the RGS-Econ PhD program, Spring 2013
- Advanced Econometrics (Panel Data and Microeconometrics), Course for MSc program in Statistics and the RGS-Economics PhD program, Spring 2014, Fall 2015
- Econometrics, Course for MSc program in Economics and Business, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2019
- Seminar in Econometrics, every semester
- PhD Reading Group: Asymptotic Statistics, Spring 2014, Spring 2015, Fall 2015
- Unit Roots and Cointegration, Course for MSc program in Statistics, Spring 2018
- Sampling Theory, Course for MSc program in Statistics, Spring 2019

University of Ljubljana

- Intermediate Time Series Econometrics (MSc Course): 1999

- Advanced Time Series Econometrics (PhD course): 1999
- An Introduction to Panel Data Econometrics (MSc Course): 2000
- Introduction to Unit Roots and Cointegration (MSc Course): 2001
- A Primer on VAR Econometrics (MSc Course): 2002, 2004
- Applied Econometrics (MSc Course): 2004, 2005
- Econometrics II (MSc Course): 2006
- Advanced Econometrics (PhD Course): Spring 2009 – 2013, Spring 2015 –
- Empirical Methods for Economic Analysis (PhD Summer Course): 2014 – 2017

Bank of Slovenia, Ljubljana (In House Training)

- 2010: VAR Econometrics
- 2012: Panel Data Econometrics
- 2013: Topics in Applied Time Series Econometrics
- 2015: Using VAR Models for Monetary Policy Analysis

Vienna University of Technology

- Macroeconometrics, MSc Course, Fall 2014 (Visiting professor at TU Wien in Fall 2014)
- Exercises and tutorials for: Introduction to Mathematics of Planning, Econometric Models, Operations Research, 1997 – 1998

CORE - Université Catholique de Louvain

- Advanced Econometrics II: Time Series Econometrics, 2nd year MSc Course, March 2014

University of Graz

- Econometrics I, Course for BSc program in Economics, Fall 2011
- Econometrics II, Course for BSc program in Economics, Spring 2012, Fall 2012
- Seminar in Econometrics, BSc Seminar, Spring 2012, Spring 2013

Institute for Advanced Studies, Vienna

- Topics in Econometrics: Unit Roots and Cointegration, Course for the joint IHS – Vienna University of Technology MSc Program in Economics, Spring 2017
- Econometrics I, Course for the joint IHS –Vienna University of Technology MSc Program in Economics, Fall 1999, Spring 2006, Spring 2008, Spring 2009
- Econometrics III (Econometrics of Panel Data), Course for the joint IHS –Vienna University of Technology MSc Program in Economics, Fall 2007, Fall 2009, Fall 2011, Spring 2013
- Econometrics IV (Empirical Project), Course for the joint IHS –Vienna University of Technology MSc Program in Economics, Spring 2010, Spring 2011
- Seminar in Econometrics, Seminar in Applied Econometrics, Econometrics Reading Group: several years
- Econometric Research Seminar (Organizer): several years

Vienna Graduate School of Economics (Joint PhD Program of Viennese Institutions)

- Research Seminar: Econometrics
- Econometrics of Nonstationary Time Series, Spring 2011

University of Hamburg

- Panel Data Econometrics, Course for the MSc program in Economics, Spring 2011

University of Zürich

- Panel Data Econometrics, Course in the PhD program in Finance, January 2009

Vienna Graduate School of Finance (Joint PhD Program of Viennese Institutions)

- Financial Econometrics II: Panel Data Econometrics, 2nd Year PhD course, Spring 2007

University of Konstanz

- Panel Data Econometrics, Course in the PhD program in Economics, Summer 2007

University of Bern

- Introduction to Macroeconomics, Macroeconomics I, Time Series Analysis I, Time Series Analysis II, Supervision of Master Theses, 2000 – 2004
- Cooperation in Seminar in Empirical Economics and Workshop in Econometrics, 2000 – 2004
- Introduction to Development and Transition Economics, Course in the BSc program in Economics, Summer term 2001
- Development and Transition Economics, Course in the MSc program in Economics, Winter term 2002

THESIS SUPERVISION:

Institute for Advanced Studies, Vienna

Diploma thesis:

Susanne Winklehner, 1999:	How persistent are shocks on the Austrian unemployment rate? A structural VAR approach
Bich Ha Nguyen, 2010:	Cross sectional dependence and PPP

Comenius University, Bratislava

MSc thesis:

Maria Machnova, 2008:	The Balassa-Samuelson Effect in the Enlarging EU

University of Graz

BSc thesis:

Klemens Kurtz, 2012:	Preisindexentwicklung in der europäischen Währungsunion. Hält die Kaufkraftparität
Nina Knittel, 2012:	Geschlechterspezifische Lohndifferenzen. Eine nähere Betrachtung am Beispiel Österreich
Stefan Waldenberger, 2012:	Inflationsprognose mittels Finanzmarktdaten
Gabriel Ziegler, 2012:	Is there a consumption puzzle in the Eurozone? An Econometric Approach
Philipp Danninger, 2013:	Purchasing Power Parity: Empirical Issues. Analyse der Kaufkraftparität im Euroraum
Stefan Holl, 2013:	Der strukturelle Zusammenhang zwischen Wechselkursen und den Preisen von Roherzeugnissen
Nicholas Katz, 2013:	Probleme der Umwelt-Kuznets-Hypothese: Theorie und Empirie
Josef Kulmer, 2013:	Prognose der österreichischen Arbeitslosigkeit mithilfe von Google Suchanfragen
Clemens Possnig, 2013:	CEEC10 projections: efficiency assessment and further issues
Christoph Prokop, 2013:	Kurzfristprognose der Strompreise am Beispiel des Spotmarkts der EXAA
Tanja Roschitz, 2013:	Der Beweis der Effizienzmarkthypothese anhand der Daten des Austrian Traded Index
Patrick Ruppnig, 2013:	Internationale Kapitalflüsse: Eine ökonometrische Analyse des Lucas Paradoxon
Corina Schwarzl, 2013:	Zwillingsstudien zum Bildungsertrag: Methoden, Erkenntnisse, Kritik
Bernhard Siegl, 2013:	Colonial impacts on economic growth: Finding relevant growth determinants for former colonies: Periods of independence and former metropolises
Kevin Tikvic, 2013:	Die Beziehung zwischen Wachstumsraten und Schuldenquoten – eine empirische Analyse für Europa
Cornelia Woller, 2013:	Die Neu-Keynesianische Phillipskurve für Österreich: Eine Erweiterung für die offene Volkswirtschaft

Technical University Dortmund

Diploma thesis:

Nadege Niamen, 2013:	The relationship between health care expenditure and GDP: A panel perspective
Michele Bieber, 2016:	Misspezifikation in nichtlinearen Kointegrations-modellen

BSc thesis:

Philipp Aschersleben, 2013:	Eigenschaften von Monitoringprozeduren für Stationarität und Kointegration
Birte Lüttringhaus, 2014:	Hedonische Regressionsanalyse von Mieten in Halver und Schalksmühle
Thomas Wanner, 2015:	Torwahrscheinlichkeiten im Fussball (Zweitbetreuer)

Collin Leidgebel, 2015:	Untersuchung der Kuznetshypothese mit Kointegrationsverfahren
Maximilian Grupe, 2016:	Stationary regressors in cointegrating polynomial regressions
Karsten Reichold, 2016:	On parameter estimation in cointegrating polynomial regressions: Single equation, seemingly unrelated regressions and panel estimators
Daniel Cordes, 2017:	Optimale Schätzung von Ratingmigrationsmatrizen mit Anwendung auf Ratingdaten einer Automobilbank (Zweitbetreuer)
Marie Punsmann, 2020:	Specification testing for smooth transition regressions
Sebastian Veldhuis, 2020:	Investigating the stability of long-run money demand with modern time series econometric techniques

MSc thesis:

Ann-Christin Wagner, 2014:	FM-OLS Schätzung translogfunktionaler Beziehungen
Simone Wallbaum, 2014:	GMM-Schätzer für die Parameter räumlicher MA-Abhängigkeit in Panelregressionsmodellen (Zweitbetreuer)
Felix Irresberger, 2015:	Schätzrisiko bei Value-at-Risk und Expected Shortfall Backtests (Zweitbetreuer)
Svitlana Levenzon, 2015:	Vergleich von Verteilungsregression und Quantilsregression anhand von Lohnverteilungen in den USA (Zweitbetreuer)
Benjamin Sischka, 205:	Modifikation eines Detektors zur Überwachung von Stationarität und Kointegration (Zweitbetreuer)
Fabian Knorre, 2016:	Measurement of credit rating stability
Dmitri Bogonos, 2017:	IM- and FM-OLS estimation of Translog production functions
Marco Giese, 2017:	Renditeanomalien am deutschen Aktienmarkt (Zweitbetreuer)
Etienne Theising, 2018:	Monitoring cointegration in a system of homogenous cointegrating regressions
Karsten Reichold, 2018:	Cointegrating polynomial regression with an integrated regressor with drift: (Fully modified) OLS estimation and inference
Maximilian Grupe, 2018:	Monitoring cointegrating polynomial regressions
Adrian Mazurkiewicz, 2020:	Nonlinear least squares estimation and smooth transition regressions

PhD thesis:

Gabor Uhrin, 2017:	In search of Q: Results on identification in structural vector autoregressive models
Peter Grabarczyk, 2017:	Essays on cointegrating polynomial regressions with applications to the EKC
Oliver Stypka, 2020:	Essays on estimation and inference in nonlinear cointegrating regressions
Lukas Matuschek, 2020:	Essays on cointegration analysis in the state space framework

Patrick de Matos, 2020:	Pseudo maximum likelihood estimation of cointegrated multiple frequency I(1) VARMA processes using the state space framework
Fabian Knorre, 2021:	Essays on stability, functional form and poolability of nonlinear cointegrating regressions
Karsten Reichold, ongoing:	Essays in time series econometrics: nonlinearity and nonstationarity

University of Ljubljana

MSc thesis:

Mark Pozlep, 2019:	The growth effects of rescue packages: details matter

Membership in External Dissertation (or Exam) Committees

Suphi Sen, 2014:	Essays in environmental and political economics, Tilburg University
David Preinerstorfer, 2015:	Hypothesis testing in regression models with dependent errors: analytical and finite sample results, University of Vienna
Yi Li, 2017:	Estimation and inference in cointegrated panels, Michigan State University
Neslihan Sakarya, 2017:	Essays in time series econometrics, Ohio State University, Co-Supervisor with Robert M. de Jong
Robert Zorko, ongoing:	Essays on corporate credit allocation, University of Ljubljana

CONFERENCES, WORKSHOPS AND SUMMER SCHOOLS:[1]

1994:

1. Second Summer School on Macro Economics, September (3 weeks), Modra/Harmonia, Slovak Republic. (*)

1995:

2. ERNSI[2] Meeting in Oud Poelgeest, The Netherlands.(*)
3. ERNSI Meeting in Padova, Italy. (*)

1997:

4. ECAS – European Courses in Advanced Statistics: Time Series, September, El Escorial, Spain. (*)

1998:

5. ERNSI Meeting in Vienna, Austria.

1999:

6. Project LINK Spring Meeting, May, New York, USA. (*)
7. BMSS Macroeconomics Summer School, UPF, June, Barcelona, Spain. (*)
8. ESEM Econometric Society European Meeting, September, Santiago de Compostela, Spain.
9. EEA European Economic Association Meeting, September, Santiago de Compostela, Spain.
10. IAES International Atlantic Economic Society Meeting, October, Montreal, Canada. (Two papers presented)
11. Project LINK Autumn Meeting, November, Athens, Greece. (*)

2000:

12. Austrian Economic Association (NOeG) Meeting, May, Vienna, Austria.
13. 6th CEMAPRE Conference, June, Lisbon, Portugal.
14. 15th International Workshop on Statistical Modelling, July, Bilbao, Spain.
15. Summer Course Study Center Gerzensee: Microeconomics of Banking, Xavier Freixas. (*)
16. Econometric Society World Congress, August, Seattle, USA.

2001:

17. 39th East Jour Fix, Austrian National Bank, February, Vienna, Austria.

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[1] (*) indicates no conference or workshop presentation, e.g. for the Project LINK conferences only the national forecast has to be provided plus some short statement on Austria upon request. Also in the summer schools I have participated as a student or course participant.
[2] ERNSI – European Research Network on System Identification.

18. Meeting of the Econometrics Working Group of the Swiss Society of Economics and Statistics, May, Bern.
19. CEPR Workshop in Transition Economics, June/July, Portoroz, Slovenia.
20. ESEM Econometric Society European Meeting, August, Lausanne, Switzerland.
21. East West Conference of the Austrian National Bank, Vienna, Austria. (*)
22. ECAS – European Courses in Advanced Statistics: Bayesian Statistics and Financial Econometrics, October, Lugano, Switzerland. (*)

2002:

23. CEPEA – Convergence in Europe and the Process of Enlargement and Association, June, Nice, France. (*)
24. Summer Course Study Center Gerzensee: New Economic Geography, Anthony Venables. (*)
25. ESEM Econometric Society European Meeting, August, Venice, Italy.
26. 1st Annual Conference of EMM Network, September, Arona, Italy, *Invited Speaker*.
27. LACEA 2002, October, Madrid, Spain.
28. East-West Conference of the Austrian National Bank, November, Vienna, Austria. (*)

2003:

29. Macroeconomic Transmission Mechanisms: Empirical Applications and Econometric Methods, January, Schæffergården, Copenhagen, Denmark.
30. 49th East Jour Fix of the Austrian National Bank, June, Vienna, Austria.
31. ESEM Econometric Society European Meeting, August, Stockholm, Sweden.
32. EEA European Economic Association Meeting, August, Stockholm, Sweden.
33. 2nd Annual Conference of EMM Network, November, Rome, Italy, *Invited Speaker*.

2004:

34. Economic, Econometric and Cross-Disciplinary Aspects of European Union Enlargement, May, Firenze, Italy.
35. First Vienna-Bratislava Economics Meeting, May, Bratislava, Slovakia.
36. ESEM Econometric Society European Meeting, August, Madrid, Spain.
37. 3rd Annual Conference of the EMM Network, September, Alghero, Italy, *Invited Speaker*.

2005:

38. 1st Italian Congress of Econometrics and Empirical Economics, January, Venice, Italy.
39. Annual Meeting of the Swiss Society of Economics and Statistics, March, Zurich, Switzerland.
40. Meeting of the Christian-August Society, May, Schloss Sulzbach, Germany, *Invited Speaker*.
41. Frontiers in Time Series Analysis, May, Olbia, Italy.
42. Unit Root and Cointegration Testing, September, Faro, Portugal.

<u>2006:</u>

43. New Regional Economics in Central European Economics, March, Vienna, Austria. (*)
44. Austrian Economic Association (NOeG) Meeting, May, Vienna, Austria. (Recipient of the *Young Economist Award*)
45. Volkswirtschaftliche Tagung der Österreichischen Nationalbank, May, Vienna, Austria. (*)
46. The Cointegrated VAR Model: Methods and Applications, June, Copenhagen, Denmark.
47. ESEM Econometric Society European Meeting, August, Vienna, Austria.
48. Conference on European Economic Integration, November, Vienna, Austria. (*)
49. Enlarging the Euro Area, CESifo Workshop, November, Munich, Germany.

<u>2007:</u>

50. 2nd Italian Congress of Econometrics and Empirical Economics, January, Rimini, Italy.
51. Meeting of the "Ökonometrischer Ausschuss des Vereins für Socialpolitik", (*Econometrics Study Group of the German Association of Economists*) February, Rauischholzhausen, Germany, *Invited Speaker*.
52. International Workshop on Computational and Financial Econometrics, April, Geneva, Switzerland.
53. Austrian Economic Association (NOeG) Meeting, May, Klagenfurt, Austria.
54. Persistence in Economic and Financial Time Series, June, Frankfurt, Germany.
55. ESEM Econometric Society European Meeting, August, Budapest, Hungary.
56. The Interrelation of Cycles and Growth, WIFO, September, Vienna, Austria. (*)
57. International Trade and Domestic Growth, Oesterreichische Nationalbank, September, Vienna, Austria. (*)
58. EC^2 Meeting: Recent Advances in Econometric Time Series Analysis, December, Faro, Portugal.

<u>2008:</u>

59. Meeting of the "Ökonometrischer Ausschuss des Vereins für Socialpolitik", (*Econometrics Study Group of the German Economic Association*) February, Rauischholzhausen, Germany. (*)
60. ETSERN Meeting, June, Frankfurt, Germany.
61. 2nd International Workshop on Computational and Financial Econometrics, June, Neuchatel, Switzerland. (Member of Scientific Programme Committee)
62. NBER-NSF Time Series Conference, September, Aarhus, Denmark.
63. ETSERN Meeting, November, Copenhagen, Denmark.

<u>2009:</u>

64. 3rd Italian Congress of Econometrics and Empirical Economics, January, Ancona, Italy.

65. Meeting of the “Ökonometrischer Ausschuss des Vereins für Socialpolitik”, (*Econometrics Study Group of the German Association of Economists*) March, Rauischholzhausen, Germany.
66. NORKLIMA Kick Off Meeting, June, Oslo, Norway.
67. Econometrics, Time Series and Systems Theory: A Conference in Honor of Manfred Deistler, June, Vienna, Austria. (Organizer) (*)
68. EAERE European Association of Environmental and Resource Economists Annual Conference, June, Amsterdam, Netherlands.
69. 15th International Panel Data Conference, July, Bonn, Germany. (Local Organizer)
70. ESEM Econometric Society European Meeting and EEA European Economic Association Meetings, August, Barcelona, Spain.
71. Meeting of the German Economic Association (Verein für Socialpolitik), September, Magdeburg, Germany.
72. Annual Meeting of the German Statistical Association (Statistische Woche), invited to deliver the ***Gumbel Lecture***, October, Wuppertal, Germany.
73. 3rd International Conference on Computational and Financial Econometrics, October, Limassol, Cyprus. (Member of Scientific Programme Committee)
74. DIW Berlin Macroeconometric Workshop, December, Berlin, Germany. ***Invited Keynote Speaker***.

2010:

75. Meeting of the “Ökonometrischer Ausschuss des Vereins für Socialpolitik”, (*Econometrics Study Group of the German Association of Economists*) March, Rauischholzhausen, Germany.
76. DAGStat 2010, March, Dortmund, Germany.
77. ETSERN Meeting, June, Pamplona, Spain.
78. Meeting of the Swiss Society of Economics and Statistics, June, Fribourg, Switzerland.
79. Annual Meeting of the German Statistical Association (Statistische Woche), September, Nürnberg, Germany.
80. NORKLIMA Workshop, November, Oslo, Norway
81. 37th Macromodels International Conference, December, Pultusk, Poland. *Invited Speaker*.
82. 4th International Conference on Computational and Financial Econometrics, December, London, UK.

2011:

83. 4th Italian Congress of Econometrics and Empirical Economics, January, Pisa, Italy.
84. Meeting of the “Ökonometrischer Ausschuss des Vereins für Socialpolitik”, (*Econometrics Study Group of the German Association of Economists*) February, Rauischholzhausen, Germany.
85. Austrian Economic Association (NOeG) Meeting, June, Graz, Austria.
86. Meeting of the Swiss Society of Economics and Statistics, June, Luzern, Switzerland.
87. Annual Meeting of the German Statistical Association (Statistische Woche), Leipzig, September, Germany. *Invited Speaker*.
88. Workshop on Nonlinear Time Series, November, Hannover, Germany.

89. 5th International Conference on Computational and Financial Econometrics, December, London, UK.

2012:

90. ESEM Econometric Society European Meeting, August, Malaga, Spain.
91. 23rd (EC)2-Conference, December, Maastricht, Netherlands.
92. 6th International Conference on Computational and Financial Econometrics, December, Oviedo, Spain.

2013:

93. 5th Italian Congress of Econometrics and Empirical Economics, January, Genova, Italy.
94. 1st Vienna Workshop on High Dimensional Time Series in Macroeconomics and Finance, May, Vienna, Austria.
95. ESEM Econometric Society European Meeting, August, Gothenburg, Sweden.
96. Annual Meeting of the German Statistical Association (Statistische Woche), Berlin, September, Germany.
97. 40th Anniversary Macromodels International Conference, October, Warsaw, Poland. *Invited Speaker*.
98. 7th International Conference on Computational and Financial Econometrics, December, London, UK.

2014:

99. Meeting of the Swiss Society of Economics and Statistics, April, Bern, Switzerland.
100. Joint SFB823 & SFB649 Workshop, May, Kloster Dürnau, Germany.
101. ESEM Econometric Society European Meeting, August, Toulouse, France.
102. 8th International Conference on Computational and Financial Econometrics, December, Pisa, Italy. ***Invited Speaker***.

2015:

103. 6th Italian Congress of Econometrics and Empirical Economics, January, Salerno, Italy.
104. Stochastic Models, Statistics and Their Applications, February, Wroclaw, Poland. *Invited Speaker*.
105. 2nd Vienna Workshop on High-Dimensional Time Series in Macroeconomics and Finance, May, Vienna, Austria.
106. Work Shop on Long Memory and Nonstationarity, May, Frankfurt, Germany.
107. International Association for Applied Econometrics 2015 Annual Conference, June, Thessaloniki, Greece.
108. World Congress of the Econometric Society, August, Montreal, Canada.
109. Annual Meeting of the German Statistical Association (Statistische Woche), September, Hamburg, Germany. *Invited Speaker*.
110. NBER-NSF Time Series Conference, September, Vienna, Austria.
111. 1st Policy Research Conference, European Central Banking Network, October, Ljubljana, Slovenia. (Discussant)

112. 9th International Conference on Computational and Financial Econometrics, December, London, UK.

2016:

113. 7th Italian Congress of Econometrics and Empirical Economics, January, Messina, Italy.
114. 12th German Probability and Stochastic Days, March, Bochum, Germany.
115. International Association for Applied Econometrics 2016 Annual Conference, June, Milano, Italy.
116. ESEM Econometric Society European Meeting, August, Geneva, Switzerland.
117. 2nd Policy Research Conference, European Central Banking Network, October, Ljubljana, Slovenia (Discussant)
118. 1st Econometric Models of Climate Change Conference, October, Aarhus, Denmark.
119. 10th International Conference on Computational and Financial Econometrics, December, Sevilla, Spain.

2017:

120. Meeting of the “Ökonometrischer Ausschuss des Vereins für Socialpolitik”, (*Econometrics Study Group of the German Association of Economists*) February, Rauischholzhausen, Germany.
121. Austrian Economic Association (NOeG) Meeting, May, Linz, Austria.
122. International Association for Applied Econometrics 2016 Annual Conference, June, Sapporo, Japan.
123. European Meeting of Statisticians, July, Helsinki, Finland.
124. 2nd Econometric Models of Climate Change Conference, September, Oxford, UK.
125. 3rd Policy Research Conference, European Central Banking Network, September, Ljubljana, Slovenia. (Session chair)
126. 1st Workshop of the European Network on Research in Investment, November, Luxemburg. (Discussant)
127. 11th International Conference on Computational and Financial Econometrics, December, London, UK.

2018:

128. Meeting of the “Ökonometrischer Ausschuss des Vereins für Socialpolitik”, (*Econometrics Study Group of the German Association of Economists*) February, Rauischholzhausen, Germany.
129. 2nd Conference New Trends and Developments in Econometrics, June, Ilhavo, Portugal. *Invited Speaker*.
130. NBER/NSF Time Series Conference, September, San Diego, USA.
131. 2018 Asian Regional Forum on Investment Management of Foreign Exchange Reserves, October, Yerevan, Armenia. (Panelist)
132. Research Conference of the Croatian Central Bank, October, Zagreb, Croatia (Panelist)
133. 2nd Workshop of the European Network on Research in Investment, November, Luxembourg. (Discussant)

134. 12th International Conference on Computational and Financial Econometrics, December, Pisa, Italy.

2019:

135. 8th Italian Congress of Econometrics and Empirical Economics, January, Lecce, Italy.
136. 4th Vienna Workshop on High-Dimensional Time Series in Macroeconomics and Finance, May, Vienna, Austria.
137. Symposium in Honor of Klaus Neusser, Bern, May, Switzerland.
138. Future of the Euro Area, Czech National Bank-OMFIF Seminar, May, Prague, Czech Republic. (Panelist)
139. International Association for Applied Econometrics 2019 Annual Conference, June, Nicosia, Cyprus.
140. 46th Macromodels International Conference, November, Wroclaw, Poland.
141. 3rd Workshop of the European Network on Research in Investment, November, Luxembourg. (Discussant)
142. 13th International Conference on Computational and Financial Econometrics, December, London, UK.

2020:

143. 2nd Italian Workshop of Econometrics and Empirical Economics, January, Venice, Italy.
144. Austrian Economic Association (NOeG) Meeting, February, Vienna, Austria.
145. Procurement Conference, October, Portoroz, Slovenia. Opening presentation on the economic situation and outlook and round table discussion. (virtual)
146. 14th International Conference on Computational and Financial Econometrics, December, London, UK. (virtual)

2021:

147. 9th Italian Congress of Econometrics and Empirical Economics, January, Cagliari, Italy. (virtual)
148. Procurement Conference, June, Portoroz, Slovenia. Presentation on the economic situation and outlook and round table discussion.
149. ITISE Conference, July, Gran Canaria, Spain. ***Plenary Speaker***.
150. Meeting of the German Economic Association (Verein für Socialpolitik), September, Regensburg, Germany. (virtual)

SEMINARS AND INVITED TALKS:

From 1996 to 1999: various seminars at the Vienna University of Technology, the Vienna University of Economics and Business Administration and the Institute for Advanced Studies Vienna.

2000: Institute for Advanced Studies Vienna, Vienna University of Technology
2001: Vienna Institute for Comparative Economic Studies (WIIW)

2002: University of Copenhagen
2003: Princeton University, University of Rochester, University of Ljubljana
2004: Institute for Advanced Studies Vienna (2x), Swiss National Bank, University of Bern
2005: University of Kiel, European University Institute, Austrian National Bank, Institute for Advanced Studies Vienna, University of Madeira (2x), European Central Bank
2006: Comenius University Bratislava, University of Bern, University of Konstanz, University of Maastricht, Austrian Institute for Economic Research (WIFO), Vienna University of Economics and Business Administration
2007: University of Oslo, Concordia University Montreal, Williams College (Williamstown, Mass.), Helmut Schmidt University Hamburg, University of Bielefeld, Free University of Berlin, ifo Institute Munich, University of Dortmund
2008: Helmut Schmidt University Hamburg, University of Mainz, University of Innsbruck, University of Linz, Universitat Pompeu Fabra (Barcelona), Universitat Autonoma (Barcelona), University of Tübingen, Free University of Amsterdam
2009: Joint Vienna Macroeconomics Seminar, University of Ljubljana (2x), University of Giessen
2010: Technical University of Dortmund, University of Hamburg, University of Mainz, Bank of Slovenia, Michigan State University, Institute for Advanced Studies Vienna
2011: University of Graz (2x), University of Ljubljana, Karlsruhe Institute of Technology
2012: Institute for Advanced Studies Vienna, Wegener Center Graz, University of Basel, CORE Louvain, University of Bielefeld, University of Linz
2013: University of Graz (2x), Ohio State University, University of Michigan, University of Duisburg-Essen, RWI Essen
2014: CREATES (Aarhus University), University of Leipzig, University of Graz, Ohio State University, Humboldt University Berlin
2015: University of Bern, University of Ljubljana, CentER-Tilburg University, University of Graz
2016: University of Kiel, University of Nürnberg, Mannheim University, Technical University Graz
2017: Vienna University of Technology, University of Mallorca, Maastricht University
2018: University of Nürnberg, Essex University Business School, Einaudi Institute for Economics and Finance Rome, The Federal Reserve Board Washington DC, The New School New York, University of Graz, University of Klagenfurt
2019: University of Vienna, University of Bern, RWI Essen
2020: University of Regensburg, University of Passau
2021: ESCB Webinar Series on Climate Research (virtual)

Since I have joined the Bank of Slovenia fulltime and again since I moved to the University of Klagenfurt, partly in conjunction in position at the Bank of Slovenia, I give general (or interested) public talks (or discussions) related to the economic situation and/or outlook. The above list of conferences and seminars does not include all central bank related corresponding activities.

MEMBERSHIPS:

- Econometric Society
- Verein für Socialpolitik (German Economic Association)
- International Association for Applied Econometrics
- Member of the *Ausschuss für Ökonometrie* (Econometrics Study Group) of the Verein für Socialpolitik, elected 2008.
- Italian Society of Econometrics
- Nationaloekonomische Gesellschaft (Austrian Economic Association)
- Network member of the European Science Foundation Network: Econometric Methods for the Modeling of Nonstationary Data, Policy Analysis, and Forecasting (EMM)
- Founding member of ETSERN – European Time Series Econometrics Research Network

EDITORIAL ACTIVITIES:

2010 –	Central European Journal of Economic Modelling and Econometrics; Associate Editor
2012 –	Empirical Economics; Associate Editor; Co-Editor of Special Volume on Forecasting in 2020
2013 – 2017	Bank i Kredyt (Bank and Credit); Member of Scientific Board
2014 –	Our Economy – Journal of Contemporary Issues in Economics and Business; Editorial Board Member
2017 – 2020	Econometrics; Editorial Board Member
2020 –	Econometrics; Co-Editor-in-Chief; Co-Editor of Special Issues on Forecasting (2020/2021) and High-Dimensional Time Series (2022/2023)
2010 –	Bančni Vestnik (The Journal of Banking and Finance); Editorial Board Member for the International Edition

REFEREE ACTIVITY:

Scientific Journals:

Annals of Operations Research, Applied Stochastic Models in Business and Industry; ASTA Advances in Statistical Analysis; Automatica; Bank of Slovenia Working Paper Series; Canadian Journal of Economics; Climatic Change; Communications in Statistics – Theory and Methods, Computational Economics; Computational Statistics and Data Analysis; Control Engineering Practice; ECB Working Paper Series; Ecological Economics; Econometrica; Econometric Reviews; Econometric Theory; Econometrics; Econometrics Journal; Economic and Business Review; Economic Inquiry; Economic Modelling; Economic Systems; E-conomics; Economics Bulletin; Empirica; Empirical Economics; Energy Economics; Energy Journal; Environment and Development Economics; Environment, Development and Sustainability; Environmental and Resource Economics; Focus on European Economic Integration; German Economic Review; Jahrbücher für Nationalökonomie und Statistik; Journal of Business and Economic Statistics; Journal of Econometrics; Journal of

Environmental Management; Journal of Environmental Planning and Management; Journal of the European Economic Association; Journal of Financial Econometrics; Journal of International Money and Finance; Journal of International Relations and Development; Journal of Multivariate Analysis; Journal of Public Economics; Journal of Statistical Planning and Inference; JRSS B, Journal of Time Series Analysis; Mathematical Population Studies; Metroeconomica; Oesterreichische Nationalbank Working Paper Series; Oxford Bulletin of Economics and Statistics; Portuguese Economic Review; Quantitative Economics; Resource and Energy Economics; Review of Economics and Statistics; Review of Income and Wealth; Review of International Economics; Statistical Papers; Statistical Science, Structural Change and Economic Dynamics; Studies in Nonlinear Dynamics and Econometrics; Swiss Journal of Economics and Statistics; The World Bank Economic Review; Zeitschrift für Wirtschafts- und Sozialwissenschaften

Review of Book Proposals:

CRC Press, Oxford University Press

Review of Research Proposals:

Anniversary Fund of the Oesterreichische Nationalbank, Belgian Science Foundation, German Science Foundation, Social Sciences and Humanities Research Council of Canada, Fritz Thyssen Foundation, National Science Center of Poland

CONFERENCE ORGANIZATION:

2008: Member of the Scientific Programme Committee: 2nd International Workshop on Computational and Financial Econometrics, June, Neuchatel, Switzerland.

2009: Organizer: Econometrics, Time Series and Systems Theory: A Conference in Honor of Manfred Deistler, June, Vienna, Austria.
Local Organizer: 15th International Panel Data Conference, July, Bonn, Germany.
Member of the Scientific Programme Committee: 3rd International Conference on Computational and Financial Econometrics, October, Limassol, Cyprus.

2010: Member of the Scientific Programme Committee: 4th International Conference on Computational and Financial Econometrics, December, London, UK.

2011: Member of the Scientific Programme Committee: 5th International Conference on Computational and Financial Econometrics, December, London, UK.

2012: Member of the Scientific Programme Committee: 6th International Conference on Computational and Financial Econometrics, December, Oviedo, Spain.

2013: Member of the Scientific Programme Committee: 1st Vienna Workshop on High Dimensional Time Series in Macroeconomics and Finance, May, Vienna, Austria.
Member of the Scientific Programme Committee: 7th International Conference on Computational and Financial Econometrics, December, London, UK.

2014: Member of the Scientific Programme Committee: 8th International Conference on Computational and Financial Econometrics, December, Pisa, Italy.

2015: Member of the Scientific Programme Committee: 2nd Vienna Workshop on High Dimensional Time Series in Macroeconomics and Finance, May, Vienna, Austria.
Member of the Scientific Programme Committee: 9th International Conference on Computational and Financial Econometrics, December, London, UK.

2016: Member of the Scientific Programme Committee: 10th International Conference on Computational and Financial Econometrics, December, Sevilla, Spain.

2017: Member of the Scientific Programme Committee: 3rd Vienna Workshop on High Dimensional Time Series in Macroeconomics and Finance, June, Vienna, Austria.
Organizer: 1st Bielefeld-Dortmund Summer School in Modern Topics in Time Series Analysis, September, Dortmund, Germany.
Member of the Scientific Programme Committee: ITISE, September, Granada, Spain.
Member of the Scientific Programme Committee: 11th International Conference on Computational and Financial Econometrics, December, London, UK.

2018: Organizer: 1st Vienna Workshop on Forecasting in Economics, Institute for Advanced Studies, February, Vienna, Austria.
Member of the Scientific Programme Committee: ITISE, September, Granada, Spain.
Member of the Scientific Programme Committee: 12th International Conference on Computational and Financial Econometrics, December, Pisa, Italy.

2019: Member of the Scientific Programme Committee: 4th Vienna Workshop on High Dimensional Time Series in Macroeconomics and Finance, Vienna, Austria.
Organizer: 2nd Bielefeld-Dortmund Summer School in Modern Topics in Time Series Analysis, September, Bielefeld, Germany.
Member of the Scientific Programme Committee: ITISE, September, Granada, Spain.
Member of the Scientific Programme Committee: 13th International Conference on Computational and Financial Econometrics, December, London, UK.

2020: Member of the Scientific Programme Committee: 2nd Italian Workshop of Econometrics and Empirical Economics, January, Venice, Italy.
Local Organizer: Conference on Mechanism and Institution Design 2020, June, Klagenfurt, Austria.
Organizer: 2nd Vienna Workshop on Forecasting in Economics, Institute for Advanced Studies, October, Vienna, Austria.
Member of the Scientific Programme Committee: 14th International Conference on Computational and Financial Econometrics, December, London, UK.

2021: Member of the Scientific Programme Committee: 9th Italian Congress of Econometrics and Empirical Economics, January, Cagliari, Italy.
Member of the Scientific Programme Committee: ITISE, July, Gran Canaria, Spain.
Co-Chair: 15th International Conference on Computational and Financial Econometrics, December, London, UK.

Member of the Scientific Programme Committee: EC^2 Conference, December Aarhus, Denmark.

2022: Organizer: 5th Vienna Workshop on High-Dimensional Time Series in Macroeconomics and Finance, June, Vienna, Austria.

SUMMER SCHOOL ORGANIZATION:

2017: Organizer and Lecturer: 1st Dortmund-Bielefeld Summer School on Modern Topics in Time Series Analysis, September, Dortmund, Germany.

2019: Organizer and Lecturer: 2nd Dortmund-Bielefeld Summer School on Modern Topics in Time Series Analysis, September, Bielefeld, Germany.

2022: Organizer and Lecturer: 3rd Klagenfurt-Bielefeld Summer School on Modern Topics in Time Series Analysis, September, Klagenfurt, Austria.