

# Ulrich K. Müller

## Contact Information

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## Current Position

Since 2012      Professor, *Princeton University*, Economics Dept  
Since 2017      Stanley G. Ivins '34 and Henrietta Bauer Ivins Professor in Economics

## Education and Former Positions

2015-17      Associate Chair, *Princeton University*, Economics Dept  
2009-12      Associate Professor (with tenure), *Princeton University*, Economics Dept  
2003-09      Assistant Professor, *Princeton University*, Economics Dept  
Fall 2008      Visiting Assistant Professor, *Harvard University*, Economics Dept  
2002-03      Visiting Researcher, *Princeton University*, Economics Dept  
1994-02      *University of Sankt Gallen*, Switzerland  
April 2002      Ph.D. in Economics (summa cum laude)  
2000-01      Visiting Researcher, *University of California at San Diego*, Economics Dept  
1999-00      Doctoral Program 'Gerzensee'  
Oct. 1998      'licenciat' (Bachelor/Master) in Economics

## Other Professional Activities

2024-      Consultant, *Keystone*  
2020-23      Amazon Scholar  
2016-20      Co-Editor, *Econometrica*  
2011-15      Co-organizer of the CEME conference "Inference in Nonstandard Problems"  
2011-12, 2014      Program Committee, Econometric Society North American Summer Meetings  
2011-16      Foreign Editor, *Review of Economic Studies*  
2011-16      Associate Editor, *Econometrica*  
2010-12      Consultant, *New York Federal Reserve Bank*  
2010      Program Committee, Econometric Society World Congress  
2009-16      Associate Editor, *Econometric Theory*  
2007      Program Committee, Econometric Society European Meetings

## Published and Forthcoming Papers

Time Varying Extremes. Accepted for publication in the *Review of Economics and Statistics*. (Joint with MARK WATSON.)

Spatial Unit Roots and Spurious Regression. *Econometrica* 92 (2024), 1661-1695 (Joint with MARK WATSON.)

A More Robust t-Test. Accepted for publication in the *Review of Economics and Statistics*.

Spatial Correlation Robust Inference in Linear Regression and Panel Models. *Journal of Business & Economic Statistics* 41 (2023), 1050-1065. (Joint with MARK WATSON.)

Comprehensive Evidence Implies a Higher Social Cost of CO<sub>2</sub>, *Nature* 610, 687-692 (2022). (Joint with KEVIN RENNERT, FRANK ERRICKSON, BRIAN C. PREST, LISA RENNELS, RICHARD G. NEWELL, WILLIAM PIZER, CORA KINGDON, JORDAN WINGENROTH, ROGER COOKE, BRYAN PARTHUM, DAVID SMITH, KEVIN CROMAR, DELAVANE DIAZ, FRANCES C. MOORE, RICHARD J. PLEVIN, ADRIAN E. RAFTERY, HANA ŠEVČÍKOVÁ, HANNAH SHEETS, JAMES H. STOCK, TAMMY TAN, MARK WATSON, TONY E. WONG and DAVID ANTHOFF).

Spatial Correlation Robust Inference, *Econometrica* 90 (2022), 2901-2935. (Joint with MARK WATSON.)

An Econometric Model of International Growth Dynamics for Long-horizon Forecasting, *Review of Economics and Statistics* 104 (2022), 857-876. (Joint with JAMES STOCK and MARK WATSON.)

Generalized Local-To-Unity Models, *Econometrica* 89 (2021), 1825-1854. (Joint with LIYU DOU.)

Linear Regression with Many Controls of Limited Explanatory Power, *Quantitative Economics* 12 (2021), 405-442. (Joint with CHENCHUAN LI.)

Refining the Central Limit Theorem Approximation via Extreme Value Theory, *Statistics and Probability Letters* 155 (2019), 1-7.

Nearly Weighted Risk Minimal Unbiased Estimation, *Journal of Econometrics* 209 (2019), 18-34. (Joint with YULONG WANG.)

Long-Run Covariability, *Econometrica* 86 (2018), 775-804. Mark Watson's Fisher-Schultz lecture 2016. (Joint with MARK WATSON.)

Low-Frequency Econometrics. In *Advances in Economics: Eleventh World Congress of the Econometric Society* (2017), Volume 2, 53-94, ed. by B. Honoré, and L. Samuelson, Cambridge University Press. (Joint with MARK WATSON.)

Fixed-k Asymptotic Inference about Tail Properties, *Journal of the American Statistical Association* 112 (2017), 1334-1343. (Joint with YULONG WANG.)

Credibility of Confidence Sets in Nonstandard Econometric Problems, *Econometrica* 84 (2016), 2183-2213. (Joint with ANDRIY NORETS.)

Measuring Uncertainty about Long-Run Predictions, *Review of Economic Studies* 83 (2016), 1711-1740. (Joint with MARK WATSON.)

Coverage Inducing Priors in Nonstandard Inference Problems, *Journal of the American Statistical Association* 111 (2016), 1233-1241. (Joint with ANDRIY NORETS.)

Inference with Few Heterogeneous Clusters, *Review of Economics and Statistics* 98 (2016), 83-96. (Joint with RUSTAM IBRAGIMOV.)

Nearly Optimal Tests When a Nuisance Parameter Is Present Under the Null Hypothesis, *Econometrica* 83 (2015), 771-811. (Joint with GRAHAM ELLIOTT and MARK WATSON.)

HAC Corrections for Strongly Autocorrelated Time Series, *Journal of Business & Economic Statistics* 32 (2014), 311-322. Invited paper for presentation at the ASSA meetings in San Diego in January 2013, published with discussion and rejoinder.

Pre and Post Break Parameter Inference, *Journal of Econometrics* 180 (2014), 141-157. (Joint with GRAHAM ELLIOTT.)

Risk of Bayesian Inference in Misspecified Models, and the Sandwich Covariance Matrix, *Econometrica* 81 (2013), 1805-1849.

Low-Frequency Robust Cointegration Testing, *Journal of Econometrics* 174 (2013), 66-81. (Joint with MARK WATSON.)

Measuring Prior Sensitivity and Prior Informativeness in Large Bayesian Models, *Journal of Monetary Economics* 59 (2012), 581-597.

Efficient Tests under a Weak Convergence Assumption, *Econometrica* 79 (2011), 295-435.

Efficient Estimation of the Parameter Path in Unstable Time Series Models, *Review of Economic Studies* 77 (2010), 1508-1539. (Joint with PHILIPPE-EMMANUEL PETALAS.)

t-Statistic Based Correlation and Heterogeneity Robust Inference, *Journal of Business & Economic Statistics* 28 (2010), 453-468. (Joint with RUSTAM IBRAGIMOV.)

Valid Inference in Partially Unstable GMM Models, *Review of Economic Studies* 76 (2009), 343-365. (Joint with HONG LI.)

Testing Models of Low Frequency Variability, *Econometrica* 76 (2008), 979-1016. (Joint with MARK WATSON.)

The Impossibility of Consistent Discrimination between I(0) and I(1) Processes, *Econometric Theory* 24 (2008), 616-630.

Confidence Sets for the Date of a Single Break in Linear Time Series Regression, *Journal of Econometrics* 141 (2007), 1196-1218. (Joint with GRAHAM ELLIOTT.)

A Theory of Robust Long-Run Variance Estimation, *Journal of Econometrics* 141 (2007), 1331-1352.

Minimizing the Impact of the Initial Condition on Testing for Unit Roots, *Journal of Econometrics* 135 (2006), 285-310. (Joint with GRAHAM ELLIOTT.)

Efficient Tests for General Persistent Time Variation in Regression Coefficients, *Review of Economic Studies* 73 (2006), 907-940. (Joint with GRAHAM ELLIOTT.)

Are Forecasters Reluctant to Revise their Predictions? Some German Evidence, *Journal of Forecasting* 25 (2006), 401-413. (Joint with GEBHARD KIRCHGÄSSNER.)

Size and Power of Tests of Stationarity in Highly Autocorrelated Time Series, *Journal of Econometrics* (2005), 128, 195-213.

Tests for Unit Roots and the Initial Condition, *Econometrica* 71 (2003), 1269-1286. (Joint with GRAHAM ELLIOTT.)

Ecological Tax Reform and Involuntary Unemployment: Simulation Results for Switzerland, *Schweizerische Zeitschrift für Volkswirtschaft und Statistik* 134 (1998), 329-359. (Joint with GEBHARD KIRCHGÄSSNER and MARCEL SAVIOZ.)

### **Comments**

Comment on “Unit Root Testing in Practice: Dealing with Uncertainty over the Trend and Initial Condition” by D. I. Harvey, S. J. Leybourne and A. M. Taylor. *Econometric Theory* 25 (2009), 643-648.

Comment on “HAR Inference: Recommendations for Practice” by E. Lazarus, D. J. Lewis and J. H. Stock. *Journal of Business & Economic Statistics* 36 (2018), 563-564.

### **Working Papers**

Locally Robust Efficient Bayesian Inference. (Joint with ANDRIY NORETS.)

Testing Coefficient Variability in Spatial Regression. (Joint with MARK WATSON.)

The Fragility of Sparsity. (Joint with MICHAL KOLESÁR and SEBASTIAN ROELSGAARD.)

Low-Frequency Analysis of Economic Time Series. (Joint with MARK WATSON.) Chapter prepared for the *Handbook of Econometrics*.

Forecasts in a Slightly Misspecified Finite Order VAR Model. (Joint with JAMES STOCK.)

## **Grants**

- 2023-26 NSF Grant SES-2242455 “Spatial Unit Roots”
- 2019-23 NSF Grant SES-1919336 “Inference for the Mean”
- 2016-19 NSF Grant SES-1627660 “Three Projects in Econometric Theory”
- 2012-15 NSF Grant SES-1226464 “Inference in Non-Standard Econometric Problems”
- 2008-10 Alfred P. Sloan Research Fellow
- 2008-11 NSF Grant SES-0751056 “Efficient Tests in the Presence of Nuisance Parameters under the Null Hypothesis”
- 2005-08 NSF Grant SES-0518036 “Inference in Unstable Time Series Models”
- 2002-03 Grant of the Swiss National Science Foundation for stay at Princeton University
- 2000-01 Grant of the Swiss National Science Foundation for stay at U.C. San Diego

## **Prizes and Awards**

- 2020 Fellow of the International Association of Applied Econometrics
- 2014 Graduate Economics Club’s Award for Best Instructor
- 2014 Fellow of the Econometric Society
- 2014 Fellow of the Journal of Econometrics
- 2008-11 Charles H. McIlwain University Preceptor
- 2003 Presentation on the ReStud Tour 2003
- 2002 Latsis-Prize for an excellent scientific achievement
- 1999 Bodania-Prize for the best ‘licenciat’ of the academic year
- 1999 Paul Alther-Prize for the best thesis of the academic year

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