

Curriculum Vitae: Robert J. Hill

June 2023

Personal Details

Surname: Hill
Given Names: Robert James
Year of Birth: 1968
Citizenship: British and Australian
Postal Address: Department of Economics
University of Graz
Universitaetsstrasse 15/F4
8010 Graz, Austria
Telephone 43/316/380-3442
E-Mail robert.hill@uni-graz.at
Google Scholar <https://scholar.google.de/citations?user=NvJUY-AAAAAJ&hl=en>
Austrian Real Estate Applications and Research Group
<http://www.areareg.com>

Employment Record

Department of Economics, University of Graz, Austria
Professor of Macroeconomics (Since January 2008)
School of Economics, University of New South Wales, Sydney, Australia
Professor (August 2005 – December 2007)
Associate Professor (January 2002 - July 2005)
Senior Lecturer (July 1998 - December 2001)
Lecturer (July 1995 - June 1998)
(Received tenure in July 1998)

Qualifications

Ph.D. (1995), (Economics), University of British Columbia, Canada
Title of Ph.D. Dissertation: Purchasing Power Parity Methods of Making
International Comparisons
Ph.D. Supervisor: Professor Erwin Diewert
M.A. (1991), (Economics), University of British Columbia, Canada
B.A. (1990), (Economics and Econometrics), University of York, England

Fellowships/Awards/Appointments

1. Appointed as an affiliate to the International Statistical Training Center at Hitotsubashi University in Japan (2023).
2. Appointed as Topic Lead on Regional and Labour Market Statistics at the Economic Statistics Centre of Excellence (ESCoE) in the UK (2021-2023).
3. Appointed by Eurostat to the Expert Team advising National Statistical Institutes in Europe on the development of commercial real estate indicators (2021-23).

4. Invited to Present Paper to Meeting of the National Academy of Sciences in the US (December 15, 2020): Paper Title: Owner-Occupied Housing, Inflation and Monetary Policy.
5. Appointed to Task Force on the Review of the Conceptual Basis of the UN's Price Adjustment System, United Nations (2018-19). The Price Adjustment System is used to adjust the salaries of UN staff around the world to take account of differences in the local cost of living. My duties in this Task Force included writing a review of the current Price Adjustment System and making recommendations on how it can be updated and improved.
6. Awarded Kendrick prize for the best paper published in the Review of Income and Wealth in 2017-18.
7. Keynote Speaker for Conference on Fifty Years of the International Comparison Program, Organized by the National Bureau of Statistics (NBS), China and Beijing Normal University, Beijing, 29-30 October, 2018.
8. Submission of evidence published by the House of Lords Select Committee on the Use of the Retail Price Index (RPI), The House of Lords, United Kingdom, September 2018.
9. Appointed to the International Comparison Program's Computation Task Team at the World Bank (2017-20)
10. Best Paper Award at the European Real Estate Society Annual Conference (2017)
11. Award for outstanding doctoral student supervision at University of Graz (2017)
12. Appointed to the Expert Team advising Eurostat on the treatment of Owner Occupied Housing in the Harmonized Index of Consumer Prices (2015-16)
13. Elected a Fellow of the Society for Economic Measurement (2014)
14. Appointed to UK Statistics Authority's Advisory Group to Review the Range of Prices Statistics in the UK (2013-14). This group provided Paul Johnson with input for his report published in 2015.
15. Appointed to Advisory Council of the Society for Economic Measurement (2013)
16. Appointed to the World Bank's Technical Advisory Group for the International Comparisons Program (2010-14)
17. Elected a Member of the Conference on Research in Income and Wealth (CRIW) at the National Bureau of Economic Research (2010)
18. Appointed Managing Editor of the Review of Income and Wealth (2008-14)
19. Elected a Fellow of the Academy of Social Sciences in Australia (2007)
20. Member of the Editorial Board of the Review of Income and Wealth (since 2002)
21. Academy of Social Sciences in Australia Medal (2001)
This award is made to a young academic who has achieved excellence in scholarship in the social sciences. It covers all fields in the social sciences
22. Outstanding Research Award, Faculty of Commerce and Economics, UNSW (2001)
23. Albert J. Whiteley Memorial Fellowship, UBC (1993-94)
24. University Graduate Fellowship, UBC (1991-92)

Journal Publications

1. (With M. Steurer and S. Waltl) Owner Occupied Housing, Inflation, and Monetary Policy, *Journal of Money, Credit and Banking*, forthcoming.

2. (With N. Pfeifer and M. Steurer) The Airbnb Rent Premium and the Crowding Out of Long-Term Rentals, *Journal of Housing Economics*, forthcoming.
3. (With N. Pfeifer, M. Steurer and R. Trojanek) Warning: Transaction Prices can be Detrimental to your House Price Index, *Review of Income and Wealth*, forthcoming.
4. (With C. Gedikli, O. Talavera, and O. Yilmaz) The Hidden Cost of Smoking: Rental Premiums in the Housing Market, *Real Estate Economics*, forthcoming.
5. (With J. Chen, Y. Chen, and P. Hu) The User Cost of Housing and the Price-Rent Ratio in Shanghai, *Regional Science and Urban Economic* 92(C), 2022, 103738.
6. (With R. Trojanek) House Price Indexes for Warsaw: An Evaluation of Competing Methods, *Land Use Policy*, 120, 2022, 106226.
7. (With M. Scholz, C. Shimizu and M. Steurer) Rolling-Time-Dummy House Price Indexes: Window Length, Linking and Options for Dealing with Low Transaction Volume, *Journal of Official Statistics*, 38(1), 2022, 127–151.
8. (With M. Steurer and N. Pfeifer) Metrics for Evaluating the Performance of Machine-Learning-Based Automated-Valuation Models, *Journal of Property Research* 38(2), 2021, 99-129.
9. (With A. Rambaldi and M. Scholz) Higher Frequency Hedonic House Price Indices: A State-Space Approach, *Empirical Economics* 81(1), 2021, 417-441.
10. (With M. Steurer) Commercial Property Price Indices and Indicators: Review and Discussion of Issues Raised in the CPPI Statistical Report of Eurostat, *Review of Income and Wealth* 66, 2020, 736-751.
11. (With D. Melser) Residential Real Estate, Risk, Return and Home Characteristics: Evidence from Sydney 2002-2016, *Journal of Real Estate Finance and Economics* 59(1), 2019, 111-146.
12. (With M. Scholz) Can Geospatial Data Improve House Price Indexes? A Hedonic Imputation Approach with Splines, *Review of Income and Wealth* 64(4), 2018, 737-756.
13. (With M. Scholz, C. Shimizu, and M. Steurer) An Evaluation of the Methods Used by European National Statistical Institutes to Compute their Official House Price Indices, *Economie et Statistique/Economics and Statistics* 500-502, 2018, 221-238.
14. (With P. Guevara and M. Scholz) Hedonic Indexes for Public and Private Housing in Costa Rica: Prices, Quality and Government Policy, *International Journal of Housing Markets and Analysis*, 10(1), 2017, 140-155.
15. A Least-Squares Approach to Imposing Within-Region Fixity in the International Comparisons Program, *Journal of Econometrics* 191(2), April 2016, 407–413.
16. (With I. Syed) Hedonic Price-Rent Ratios, User Cost, and Departures from Equilibrium in the Housing Market, *Regional Science and Urban Economics*, 56, January 2016, 60-72.
17. (With D. Melser) Benchmark Averaging and the Measurement of Changes in International Income Inequality, *Review of World Economics* 151(4), November 2015, 767-801.
18. (With I. Syed) Improving International Comparisons of Prices at Basic Heading Level: An Application to the Asia-Pacific Region, *Review of Income and Wealth*, 61(3), September 2015, 515-539.

19. (With D. Buncic and J. Eggins) Fund Style, Characteristic-Matched Performance Benchmarks and Activity Measures: A New Approach, *Accounting and Finance* 55(1), March 2015, 29-55.
20. (With M. Reinsdorf) The 32nd IARIW General Conference, Boston: Massachusetts, 2012: Editors' Introduction, *Review of Income and Wealth* 60 (Supplement Issue), November 2014, S277-S280.
21. Hedonic Price Indexes for Housing: A Survey, Evaluation and Taxonomy, *Journal of Economic Surveys* 27(5), December 2013, 879-914.
22. Cluster Formation, Data Validation and Outlier Detection in the International Comparisons Program: An Application to the Africa Region, *African Statistical Journal* 14, May 2012, 12-59.
23. Hedonic Price Indexes for Housing, OECD Statistics Working Papers, 2011/01, OECD Publishing.
24. (With A. Nakamura) Introduction to Special Issue on the 2008 World Congress on National Accounts and Economic Performance Measures for Nations, *Review of Income and Wealth* 56, Special Issue, June 2010, S1-S10.
25. (With J. Eggins) Momentum and Contrarian Stock-Market Indices, *Journal of Applied Finance* 20(1), 2010, 78-94.
26. (With D. Melser and I. Syed) Measuring a Boom and Bust: The Sydney Housing Market 2001-2006, *Journal of Housing Economics* 18(3), 2009, 193-205.
27. (With T. P. Hill) Recent Developments in the International Comparison of Prices and Real Output, *Macroeconomic Dynamics* 13 (supplement S2), 2009, 194-217.
28. Introduction to Themed Issue on Intangible Capital, *Review of Income and Wealth* 55(3), 2009, 658-660.
29. (With Q. Gan) Measuring Housing Affordability: Looking Beyond the Median, *Journal of Housing Economics* 18(2), 2009, 115-125.
30. (With D. Melser) Hedonic Imputation and the Price Index Problem: An Application to Housing, *Economic Inquiry* 46(4). October 2008, 593-609.
31. (With D. Melser) Methods for Constructing Spatial Cost of Living Indexes, *Statistique-Officielle Research Series* 1, 2007, Article 3, 1-113.
32. (With M. Timmer) Standard Errors as Weights in Multilateral Price Indexes, *Journal of Business and Economic Statistics* 24(3), July 2006, 366-377.
33. When Does Chaining Reduce the Paasche-Laspeyres Spread? An Application to Scanner Data, *Review of Income and Wealth* 52(2), June 2006, 309-329.
34. Superlative Index Numbers: Not All of Them Are Super, *Journal of Econometrics* 130(1), January 2006, 25-43.
35. Constructing Price Indexes Across Space and Time: The Case of the European Union, *American Economic Review* 94(5), December 2004, 1379-1410.
36. Monotonicity in Price Relatives: A Price-Index Paradox, *Journal of Economic and Social Measurement* 29(4), 2004, 507-520.
37. Accounting for Unexpected Capital Gains on Natural Assets in Net National Product, *Empirical Economics* 29(4), 2004, 803-824.
38. (With K. J. Fox and W. E. Diewert) Detecting Outliers in Multi-Output Models, *Journal of Productivity Analysis* 22, 2004, 73-94.

39. (With T. P. Hill) Expectations, Capital Gains and Income, *Economic Inquiry* 41(4), 2003, 607-619.
40. (With N. Kakwani) The Economic Theory of Spatial Cost of Living Indexes with Application to Thailand, *Journal of Public Economics* 86, 2002, 71-97.
41. (With E. Magnani) An Exploration of the Environmental Kuznets Curve and its Policy Implications, *Australian Economic Papers* 41(20), June 2002, 239-254.
42. Measuring Inflation and Growth using Spanning Trees, *International Economic Review* 42(1), February 2001, 167-185.
43. Constructing Bounds on Per Capita Income Differentials Across Countries, *Scandinavian Journal of Economics* 102(2), June 2000, 285-302.
44. How Best to Measure Welfare, Real Income and Output? *Review of Income and Wealth* 46(1), March 2000, 117-127.
45. Measuring Substitution Bias in International Comparisons Based on Additive Purchasing Power Parity Methods, *European Economic Review* 44, January 2000, 145-162.
46. Comparing Price Levels Across Countries using Minimum Spanning Trees, *Review of Economics and Statistics* 81(1), February 1999, 135-142.
47. (With J. S. Gans) Measuring Product Diversity, *Economics Letters* 55, August 1997, 145-150.
48. (With K. J. Fox) Splicing Index Numbers, *Journal of Business and Economic Statistics* 15(3), July 1997, 387-389.
49. Environmental Accounting, Depletion and the Measurement of Sustainable Development, *Development Bulletin* 41, April 1997, 9-11.
50. A Taxonomy of Multilateral Methods for Making International Comparisons of Prices and Quantities, *Review of Income and Wealth* 43(1), March 1997, 49-69.

Chapters in Books

51. (With A. N. Rambaldi) Hedonic Models and House Price Index Numbers in *Advances in Economic Measurement: A Volume in Honour of D. S. Prasada Rao*, D. Chotikapanich, A. N. Rambaldi and N. Rohde (eds.). Palgrave MacMillan, 2022, 413-444.
52. (With M. Scholz) What Does “Location, Location, Location” Mean in the Context of House Price Indexes? Book of Proceedings of Austrian National Bank Workshop No. 19, Are House Prices Endangering Financial Stability? If so, How Can We Counteract This? (9-10 October 2014), M. Schneider and K. Wagner (eds.). Austrian National Bank, Vienna, 2015, Chapter 3, 16-21.
53. How Can One Tell When the Housing Market Is Out of Equilibrium? *Book of Proceedings of the 20th Annual European Real Estate Society Conference (3-6 July 2013)*, R. Martens (ed.). Vienna University of Technology: Vienna, Austria, Chapter 1, 1-10.
54. (With W. E. Diewert) Alternative Approaches to Index Number Theory, in *Price and Productivity Measurement: Volume 6 – Index Number Theory*, W. E. Diewert, B. M. Balk, D. Fixler, K. Fox and A. Nakamura (eds.). Trafford Publishing, Victoria, Canada, 2010, Chapter 12, 263-278.

55. Comparing Per Capita Income Levels Across Countries Using Spanning Trees: Robustness, Prior Restrictions, Hybrids and Hierarchies, in *Purchasing Power Parities of Currencies: Recent Advances in Methods and Applications*, D. S. P. Rao (ed.). Edward Elgar: Cheltenham, UK, 2009. Chapter 9, 217-244.
56. (With H. Bateman), Constructing Mutual Fund Benchmarks: An Overview of the Issues, in *Shortchanged? Pension Fund Governance and Retirement Provision*, J. Piggott and J. Evans (eds.). Edward Elgar: Cheltenham, UK, 2008, 158-175.
57. Inflation Measurement for Central Bankers, in *The Future of Inflation Targeting*, C. Kent and S. Guttman (eds.): The Reserve Bank of Australia, 2004, 140-160.
58. International Comparisons using Spanning Trees, in *International and Interarea Comparisons of Prices, Income and Output*, A. Heston and R. E. Lipsey (eds.). NBER: Chicago University Press, 1999, 109-120.
59. Purchasing Power Parities, Exchange Rates and Inequality Across Countries, in *Improving the Quality of Price Indices*, L. Biggeri (ed.): Eurostat, 1996, 293-303.

Book Reviews/Obituaries

57. Peter Hill (1929-2017): In Memoriam. *Review of Income and Wealth* 64(1), March 2018, 239-242. Reprinted in EURONA.
58. King J. E. (ed.), "A Biographical Dictionary of Australian and New Zealand Economists," Edward Elgar 2007. *European Journal of the History of Economic Thought* 15(4), December 2008, 706-709.
59. Wills I. "Economics and the Environment: A Signalling and Incentives Approach," Allen and Unwin 1997. *Economic Record* 74(224), March 1998, 93-94.

Graduate-Level Textbook

60. (With Q. Grafton, V. Adamowicz, D. Dupont, H. Nelson and S. Renzetti) *The Economics of the Environment and Natural Resources*, Basil Blackwell, 2004, 503 pages.

Papers Under Review at Journals/Work in Progress

1. (With N. Pfeifer and M. Steurer) Energy Efficiency Improvements and Property Values: A Hedonic Analysis of Market Incentives in England and Wales
2. (With C. Gedikli, O. Talavera, and O. Yilmaz) Online Real Estate Agencies and their Impact on the Housing Market
3. (With R. Trojanek, N. Pfeifer and M. Steurer) Improving the timeliness of house price indices using online listing data
4. (With R. Hajargasht, P. Rao, and S. Shankar) Fifty Years On: Can Spatial Chaining Improve International Comparisons of Living Standards?
5. (With N. Pfeifer and M. Steurer) Comparing Rents Across Cities Around the World: Can Airbnb Help?
6. (With D. Melser, A. Rambaldi and M. Scholz) Reconciling and Updating House Price Indices of Different Frequencies

Research Grants

1. (With D. Melser and A. Rambaldi): Australian Research Council (ARC) Discovery Grant
DP220101787: Measuring the Commercial Real Estate Sector in Australia
2022-2025: \$AUD277,208
2. (With N. Pfeifer and M. Steurer): Economic Statistics Centre of Excellence (ESCoE) Grant (3.14)
Where Do Improvements in the Energy Efficiency of Residential Housing Pay for Themselves? A Micro-Level Hedonic Comparison Across England and Wales
2022-2023: GBP40,000
3. (With M. Steurer, M. Scholz, and ZT datenforum): Bridge 1 Program of the Austrian Research Promotion Agency (FFG)
10991131: Price Indices and Imputed Prices for Austrian Residential Real Estate – Hedonic Models Based on Micro-Level Data
2018-2021: 457,140 Euros
4. (With M. Scholz) Austrian National Bank - Jubiläumsfondsprojekt
14947: Forecasting House Prices,
2012-13: 70,000 Euros
2013-14: 70,000 Euros
5. Consultant on National Science Foundation (NSF) Grant coordinated by R. Feenstra and A. Heston (2007-2010)
NSF0648766: *Integrating Expenditure and Production Estimates in International Comparisons*
6. Australian Research Council (ARC) Discovery Grant
DP0667209: *House Prices in Australia: A Hedonic Analysis*
2008: \$68,000
2007: \$60,000
2006: \$80,000
7. (With H. Bateman) Australian Research Council (ARC) Discovery Grant
DP0666798: *The Theory and Measurement of Stock Market Indices*
2008: \$70,000
2007: \$65,000
2006: \$75,000
8. (With K. Fox) Australian Research Council (ARC) Linkage Grant in Collaboration with the Australian Bureau of Statistics (ABS)
LP0347654: *Can Electronic Point-of-Sale (POS) Data Improve the Australian Consumer Price Index?*
Funds provided by ARC:
2005: \$35,000
2004: \$35,000
2003: \$50,000
Matching funds (including in-kind) supplied by ABS
9. (With K. Fox) Australian Research Council (ARC) Linkage Grant in Collaboration with the Australian Bureau of Statistics (ABS)
LP0347618: *Regional Comparisons of Prices, Income and Growth in Australia.*

Funds provided by ARC:

2004: \$50,000

2003: \$50,000

Matching funds (including in-kind) supplied by ABS

10. Australian Research Council (ARC) Small Grant

Measuring Income Levels and Growth Rates Across Countries: An Index Number Approach to Analyzing Panel Data Sets

2000: \$5,518

11. Faculty of Commerce and Economics, UNSW, Dean's Special Research Grants

1998: \$2,000

1997: \$2,000

1996: \$2,500