

# Curriculum Vitae: Robert J. Hill

January 2014

## Personal Details

Surname: Hill  
Given Names: Robert James  
Date of Birth: 22 September 1968  
Citizenship: British and Australian  
Postal Address: Department of Economics  
University of Graz  
Universitätsstrasse 15/F4  
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## 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)

## Visiting Positions

School of Economics, University of New South Wales, Sydney, Australia  
Visiting Professor (September 2010 - February 2011)  
Institute of Public Economics, University of Graz, Austria  
Visiting Professor (August 2005 - January 2006)  
Faculty of Economics, University of Groningen, the Netherlands  
Visiting Scholar (September - December 2002)  
Department of Economics, Washington University in St. Louis, United States  
Visiting Scholar (August - December 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

## **Main Research Fields**

1. Comparisons of living standards across countries
2. Modeling the housing market
3. Inflation measurement
4. Stock market indices and performance benchmarks for mutual funds

## **Fellowships/Awards/Appointments**

1. Appointed to UK Statistics Authority's Advisory Group to Review the Range of Prices Statistics in the UK, 2013
2. Appointed to Advisory Council of the Society for Economic Measurement, 2013
3. Appointed to the World Bank's Technical Advisory Group for the International Comparisons Program (ICP), 2010
4. Appointed to the World Bank's ICP Computation Task Force, 2010
5. Elected a Member of the Conference on Research in Income and Wealth (CRIW) at the NBER, 2010
6. Appointed Managing Editor of the Review of Income and Wealth, 2008
7. Elected a Fellow of the Academy of Social Sciences in Australia, 2007
8. 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
7. Outstanding Research Award, Faculty of Commerce and Economics, UNSW, 2001.
8. Albert J. Whiteley Memorial Fellowship, UBC, 1993-4.
9. University Graduate Fellowship, UBC, 1991-2.

## **Journal Publications**

1. (With Iqbal Syed) Improving International Comparisons of Prices at Basic Heading Level: An Application to the Asia-Pacific Region, *Review of Income and Wealth*, forthcoming.
2. (With J. Eggins and D. Buncic) Fund Style, Characteristic-Matched Performance Benchmarks and Activity Measures: A New Approach, *Accounting and Finance*, forthcoming.
3. Hedonic Price Indexes for Housing: A Survey, Evaluation and Taxonomy, *Journal of Economic Surveys* 27(5), December 2013, 879-914.
4. 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.
5. (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.
6. (With J. Eggins) Momentum and Contrarian Stock-Market Indices, *Journal of Applied Finance* 20(1), 2010, 78-94.
7. (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.

8. (With T. P. Hill) Recent Developments in the International Comparison of Prices and Real Output, *Macroeconomic Dynamics* 13 (supplement S2), 2009, 194-217.
9. Introduction to Themed Issue on Intangible Capital, *Review of Income and Wealth* 55(3), 2009, 658-660.
10. (With Q. Gan) Measuring Housing Affordability: Looking Beyond the Median, *Journal of Housing Economics* 18(2), 2009, 115-125.
11. (With D. Melsner) Hedonic Imputation and the Price Index Problem: An Application to Housing, *Economic Inquiry* 46(4). October 2008, 593-609.
12. (With D. Melsner) Methods for Constructing Spatial Cost of Living Indexes, *Statisphere-Official Statistics Research Series* 1, 2007, Article 3, 1-113.  
[www.statisphere.govt.nz/official-statistics-research/series/vol-1.htm](http://www.statisphere.govt.nz/official-statistics-research/series/vol-1.htm)
13. (With M. Timmer) Standard Errors as Weights in Multilateral Price Indexes, *Journal of Business and Economic Statistics* 24(3), July 2006, 366-377.
14. When Does Chaining Reduce the Paasche-Laspeyres Spread? An Application to Scanner Data, *Review of Income and Wealth* 52(2), June 2006, 309-329.
15. Superlative Index Numbers: Not All of Them Are Super, *Journal of Econometrics* 130(1), January 2006, 25-43.
16. Constructing Price Indexes Across Space and Time: The Case of the European Union, *American Economic Review* 94(5), December 2004, 1379-1410.
17. Monotonicity in Price Relatives: A Price-Index Paradox, *Journal of Economic and Social Measurement* 29(4), 2004, 507-520.
18. Accounting for Unexpected Capital Gains on Natural Assets in Net National Product, *Empirical Economics* 29(4), 2004, 803-824.
19. (With K. J. Fox and W. E. Diewert) Detecting Outliers in Multi-Output Models, *Journal of Productivity Analysis* 22, 2004, 73-94.
20. (With T. P. Hill) Expectations, Capital Gains and Income, *Economic Inquiry* 41(4), 2003, 607-619
21. (With N. Kakwani) The Economic Theory of Spatial Cost of Living Indexes with Application to Thailand, *Journal of Public Economics* 86, 2002, 71-97.
22. (With E. Magnani) An Exploration of the Environmental Kuznets Curve and its Policy Implications, *Australian Economic Papers* 41(20), June 2002, 239-254.
23. Measuring Inflation and Growth using Spanning Trees, *International Economic Review* 42(1), February 2001, 167-185.
24. Constructing Bounds on Per Capita Income Differentials Across Countries, *Scandinavian Journal of Economics* 102(2), June 2000, 285-302.
25. How Best to Measure Welfare, Real Income and Output? *Review of Income and Wealth* 46(1), March 2000, 117-127.
26. Measuring Substitution Bias in International Comparisons Based on Additive Purchasing Power Parity Methods, *European Economic Review* 44, January 2000, 145-162.
27. Comparing Price Levels Across Countries using Minimum Spanning Trees, *Review of Economics and Statistics* 81(1), February 1999, 135-142
28. (With J. S. Gans) Measuring Product Diversity, *Economics Letters* 55, August 1997, 145-150.

29. (With K. J. Fox) Splicing Index Numbers, *Journal of Business and Economic Statistics* 15(3), July 1997, 387-389.
30. Environmental Accounting, Depletion and the Measurement of Sustainable Development, *Development Bulletin* 41, April 1997, 9-11.
31. 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**

32. How Can One Tell When the Housing Market Is Out of Equilibrium? *Book of Proceedings of the 20<sup>th</sup> Annual European Real Estate Society Conference (3-6 July 2013)*, R. Martens (ed.). Vienna University of Technology: Vienna, Austria, Chapter 1, 1-10.
33. Differences in the Cost of Living Across Cities in Australia, in *Price and Productivity Measurement: Volume 4 – International Comparisons and Trade*, W. E. Diewert, B. M. Balk, D. Fixler, K. Fox and A. Nakamura (eds.). Trafford Publishing, Victoria, Canada, forthcoming.
34. (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.
35. 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.
36. (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.
37. 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.
38. 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.
39. 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**

40. 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.
41. 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**

42. (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 D. Melsner) Benchmark Construction and the Measurement of Dispersion: Implications for the Convergence Literature (under review)
2. (With M. Steurer, M. Zahrnhofer, and C. Hartmann) Modelling the Emergence of New Technologies using S Curve Diffusion Models (under review)
3. (With I. Syed) Hedonic Price-to-Rent Ratios, User Cost, and the Detection of Departures from Equilibrium in the Housing Market (under review)
4. A Least-Squares Approach to Imposing Within-Region Fixity in the International Comparisons Program (under review)
5. (With M. Scholz) Incorporating Geospatial Data into House Price Indexes: A Hedonic Imputation Approach with Splines
6. (With M. Scholz) Measuring the Real Growth Rate of Europe's GDP
7. (With L. Nielsen and M. Scholz) Forecasting House Prices using General Structural Nonlinear Models
8. (With D. Melsner) Hedonic Time-Dummy and Region-Dummy Price Indexes for Housing: The Problem of Representativity Bias
9. (With E. Knight) Local Variations in Housing Affordability: The Case of Sydney
10. (With X. Liu) Are Repeat-Sales Indexes Too Slow in Detecting Turning Points? Evidence from the Sydney Housing Market
11. (With J. Egging) Measuring the Portfolio Weighting Strategies of Mutual Funds

### **Research Grants**

1. (With M. Scholz) Austrian National Bank - Jubiläumsfondsprojekt  
14947: Forecasting House Prices,  
2012-13: 70,000 Euros  
2013-14: 70,000 Euros
2. 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*
3. Australian Research Council (ARC) Discovery Grant  
DP0667209: *House Prices in Australia: A Hedonic Analysis*  
2008: \$68,000  
2007: \$60,000  
2006: \$80,000
4. (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
5. (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
  6. (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
  7. 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
  8. Faculty of Commerce and Economics, UNSW, Dean's Special Research Grants  
 1998: \$2,000  
 1997: \$2,000  
 1996: \$2,500

### **Scholarly and Professional Activities**

1. Managing Editor of the Review of Income and Wealth (Since 2008)
2. Member of Editorial Board, Review of Income and Wealth (2002-2007)
3. Member of the Technical Advisory Group of the International Comparisons Program (ICP) appointed by the World Bank (since 2010)
4. Member of the World Bank's ICP Computation Task Force (since 2011)
5. Member of the UK Statistics Authority's Advisory Group to Review the Range of Prices Statistics in the UK, 2013
6. Referee for the following journals:  
 Australian and New Zealand Journal of Statistics, Bulletin of Economic Research, Econometric Reviews, Economic Journal, Economic Record, Economica, Empirical Economics, Journal of Banks and Bank Systems, Journal of Business and Economic Statistics, Journal of Econometrics, Journal of Economic and Social Measurement, Journal of Economic Growth, Journal of Economic Inequality, Journal of Economics and Business, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of Housing Economics, Journal of Productivity Analysis, Journal of Urban Economics, Macroeconomic Dynamics, Metroeconomica, Quarterly Journal of Economics, Quarterly Review of Economics

- and Finance, Review of Economics and Statistics, Review of Income and Wealth, Statistica Neerlandica, Theoretical Economics, Urban Studies
7. Consultant for the United Nations, World Bank, OECD, African Development Bank, Eurostat, and Statistics New Zealand.
  8. Chair of Recruitment Committee for Schumpeter Professorship in Innovation, Development and Growth at University of Graz (2013-2014)
  9. Member of Recruitment Committee for Wegener Professorship in Climate and Environmental Economics at University of Graz (2013-14)
  10. Chair of Recruitment Committee for Professorship in Applied Econometrics and Empirical Economics at University of Graz (2010-2011)
  11. Member of Recruitment Committee for Professorship in International and Monetary Economics at University of Graz (2009)
  12. Chair of Habilitation Committee for Dr Birgit Bednar-Friedl, University of Graz, 2012
  13. Member of Faculty Doctoral Curriculum Commission at University of Graz (since 2010)
  14. Member of Faculty Masters Curriculum Commission at University of Graz (since 2009)
  15. Member of Qualifications Committee for Promotion from Senior Lecturer to Associate Professor at UNSW (2006-2007)
  16. Member of Recruitment Committee at AEA Meetings at UNSW (2007)
  17. Member of Head of School Advisory Group at UNSW (1999-2001 and 2005-2007)
  18. Postgraduate Coordinator for the School of Economics at UNSW (1999-2001). My duties included coordinating admissions of Masters and PhD students, progress reviews and advice on course selection, research topics and supervision.
  19. School of Economics representative on the Higher Degree Committee of the Faculty of Commerce and Economics, UNSW (1999-2001)
  20. Seminar Coordinator, School of Economics, UNSW (2004)
  21. Grant assessor of international standing for the Australian Research Council (since 2002)
  22. Grant assessor for Social Science and Humanities Research Council (SSHRC) in Canada (2006)
  23. Grant assessor for Economic and Social Research Council in the UK (2012)
  24. Manuscript reviewer for Routledge
  25. Examiner of PhD theses for the following universities: Sydney University, Australian National University, La Trobe University
  26. External assessor for a candidate applying for promotion at University of Tasmania
  27. Research Reader for UNSW providing guidance to UNSW applicants for Australian Research Council (ARC) Discovery Grants (2006-2007)

### **Teaching Experience**

I have taught the following courses at UNSW/University of Graz:

- Microeconomic Analysis I (PhD)
- Quantitative Empirical Methods (PhD)
- Business Economics (Master of Commerce)
- Topics in Economic Measurement (Master of Economics)

Financial Economics (Master of Economics)  
Environmental Economics (Master of Commerce)  
Economics of Finance (Third Year Undergraduate)  
Monetary Economics (Third Year Undergraduate)  
Inflation and Business Cycles (Third Year Undergraduate)  
Markets and Public Choice (Third Year Undergraduate)  
Environmental Economics (Second Year Undergraduate)  
Macroeconomics (Second Year Undergraduate)  
Microeconomics (First Year Undergraduate)  
Macroeconomics (First Year Undergraduate)

### **Postdoctoral Fellow Supervision**

1. Daniel Buncic, Field: Stock-Market Indices (2007-8)
2. Iqbal Syed, Field: Hedonic Price Indexes (2007-8)

### **PhD Dissertation Supervision**

Main supervisor

1. Sofie Walzl, “Forecasting House Prices” (in progress)
2. Xiaoshan Liu (2013), “Measuring House Prices and Comparing Income Levels Across Countries: Some Issues in Economic Measurement.”
3. Nicolas Gerber (2007), “Biodiversity Measurement, Species Interactions and Sustainability.”
4. Daniel Melser (2005), “The Treatment of New and Disappearing Goods and Quality Change in Consumer Price Indexes.”
5. Jaekyu Lim (1997), “Environment, Trade and Economic Growth: A Theoretical and Empirical Analysis with Reference to South Korea.”

Co-supervisor

1. Iqbal Syed (2008), “Estimation of Price Rigidity Using Scanner Data.”
2. Lorraine Ivancic (2007), “Scanner Data and the Measurement of Inflation.”
3. Alice Shiu (2000), “Regulation and Economic Measurement Issues in Economies in Transition.”

### **Masters Thesis Supervision at University of Graz**

1. Christina Gobin (2014), “Economic and Political Institutions as Determinants of National Income Inequality.”
2. Florian Kohlfuerst (2013-14), “Monetary Policy Rules that incorporate Asset Price Movements”

### **BEC (Hons) Thesis Supervision at UNSW**

1. Bryan Reid (2007), “A Hedonic Price Index for Sydney: 2003-2007,” First Class Honours and prize for best thesis from the Economic Society of NSW.
2. Carol Lee (2007), “Modelling Variations in Crime Rates Across Regions,” Upper Second Class Honours.



3. John Eggins (2006), "Topics in Fund Manager Performance Evaluation," First Class Honours.
4. Robert Wallner (2004), "The Impact of Depletion of Non-Renewable Natural Resources on Australia's Net National Product," Upper Second Class Honours.
5. Nigel Firth (2002) "Measuring Portfolio Performance Using Index Numbers," First Class Honours.
6. Rebecca Gough (2000), "An Institutional Analysis of Economies in Transition," First Class Honours.
7. Nick McLachlan (1999), "Deregulation of the Australian Telecommunications Industry," Upper Second Class Honours.

### **Conference Presentations**

1. Incorporating Geospatial Data into House Price Indexes: A Hedonic Imputation Approach with Splines, Workshop on Modelling of Housing Markets and Construction of Residential Property Price Indexes, University of Queensland, Brisbane, December 2013.
2. Hedonic Price-Rent Ratios for Housing and the Detection of Departures from Equilibrium, Workshop on Modelling of Housing Markets and Construction of Residential Property Price Indexes, University of Queensland, Brisbane, December 2013.
3. Incorporating Geospatial Data into House Price Indexes: A Hedonic Imputation Approach with Splines, Economic Measurement Group Workshop, UNSW, Sydney, November 2013.
4. How Can One Tell When the Housing Market Is Out of Equilibrium? 20<sup>th</sup> Annual European Real Estate Society Conference, Vienna University of Technology, Vienna, July 2013.
5. Hedonic Price-Rent Ratios for Housing and the Detection of Departures from Equilibrium, Keynote speaker at the GPEN-CGR Annual Conference 2013 Global Policy, Global Institutions and Global Development, Queen Mary University London, June 2013.
6. Incorporating Geospatial Data into House Price Indexes: A Hedonic Imputation Approach with Splines, Conference of ICP/PPP, Princeton University, May 2013.
7. Report on the ICP 2011 Preliminary Results, Technical Advisory Group Meeting of the International Comparisons Program, World Bank, Washington, May 2013.
8. Incorporating Geospatial Data into House Price Indexes: A Hedonic Imputation Approach with Splines, 13th Meeting of the Ottawa Group, Copenhagen, May 2013.
9. Report on the ICP 2011 Preliminary Results, Technical Advisory Group Meeting of the International Comparisons Program, World Bank, Washington, September 2012.
10. Hedonic Price-Rent Ratios for Housing and the Detection of Departures from Equilibrium, General Conference of the International Association for Research on Income and Wealth, Boston, August 2012.
11. Cluster Formation, Data Validation and Outlier Detection in the International Comparisons Program: An Application to the Africa Region, Technical Advisory Group Meeting of the International Comparisons Program, World Bank, Washington, October 2011.

12. Hedonic Price-to-Rent Ratios for Housing: Implications for the Detection of Departures from Equilibrium, 58<sup>th</sup> World Statistics Congress, International Statistical Institute, Dublin, August 2011.
13. Benchmark Construction and the Measurement of Dispersion: Implications for the Convergence Literature, Annual Conference of the Austrian Economic Association, Graz, June 2011.
14. Linking the Regions in ICP at Basic Heading Level and at Higher Levels of Aggregation, Workshop on International Comparisons of Prices, Income and Productivity, Groningen, May 2011.
15. Hedonic Price-to-Rent Ratios for Housing: Implications for the Detection of Departures from Equilibrium, Economic Measurement Group (EMG) Workshop, UNSW, Sydney, December 2010.
16. Linking the Regions in ICP at Basic Heading Level and at Higher Levels of Aggregation, Meeting of the Technical Advisory Group of the International Comparisons Program, World Bank, Washington DC, October 2010.
17. Some Extensions of the Country-Product-Dummy Method for Comparing Price Levels Across Countries: An Application to the Asia-Pacific Region. General Conference of the International Association for Research on Income and Wealth, St Gallen, Switzerland, 22-28 August 2010.
18. Some Extensions of the Country-Product-Dummy Method for Comparing Price Levels Across Countries: An Application to the Asia-Pacific Region. Workshop on International Comparisons of Prices, Income and Productivity, Oxford, 8-9 April 2010.
19. The Economic Outlook for 2010. Financial Market Trends Conference, Employers' Union of Austria, Graz, 5 February 2010.
20. Money and the Financial System. Conference on Growth in Transition, Federal Ministry of Agriculture, Forestry, Environment and Water Management, Vienna, 28-29 January 2010.
21. Recent Developments in the International Comparison of Prices and Real Output. Workshop on International Comparisons of Production and Income, Institute of Governmental Affairs, University of California Davis, April 30-May 1, 2009.
22. Flexible Spatial and Temporal Hedonic Price Indexes for Housing in the Presence of Missing Data. Workshop on Index Number Theory, Tinbergen Institute Amsterdam, October 2008.
23. Comparing House Prices Using Hedonic Methods: The Problem of Substitution Bias. IREBS Conference on Real Estate Economics and Finance, University of Regensburg, June 2008.
24. Comparing House Prices Using Hedonic Methods: The Problem of Substitution Bias. 2008 World Congress on National Accounts and Economic Performance Measures for Nations, Arlington VA, May 2008.
25. Comparing House Prices Using Hedonic Methods: The Problem of Substitution Bias. Workshop on Integrating Expenditure and Production Estimates in International Comparisons, University of Pennsylvania, May 2008.
26. Comparing House Prices across Regions and Time: An Hedonic Approach. Economic Measurement Group (EMG) Workshop, UNSW, Sydney, December 2007.

27. Regionalization and its Implications for Price Index Construction: The Case of the International Comparisons Program. Workshop on Integrating Expenditure and Production Estimates in International Comparisons, Groningen, the Netherlands, April 22-23 2007.
28. Comparing House Prices across Regions and Time: An Hedonic Approach. Economic Measurement Group (EMG) Workshop, UNSW, Sydney, December 2006.
29. Convergence or Divergence: How to Get the Answer You Want. 21<sup>st</sup> Annual Congress of the European Economic Association, Vienna, August, 2006.
30. The Treatment of Capital Gains in Depreciation. Economic Measurement Group (EMG) Workshop, UNSW, Sydney, June 2006.
31. Price Indexes Across Space and Time. Sources of Economic Growth Workshop, International Institute for Applied Systems Analysis, Laxenburg, Austria, October 2005.
32. House Prices in Sydney: A Hedonic Analysis. The New Zealand Association of Economists Annual Conference, Christchurch, June 2005.
33. The Measurement of Inflation for Central Bankers. Annual Conference of the Reserve Bank of Australia – The Future of Inflation Targeting, August 2004.
34. Benchmarking the Performance of Mutual Funds. 12th Australian Colloquium of Superannuation Researchers, Sydney, July 2004.
35. Constructing Price Indexes Across Countries and Time: The Case of the European Union. SSHRC International Conference on Index Number Theory and the Measurement of Prices and Productivity, Vancouver, July 2004.
36. Comparing the Cost of Living Across Cities in Australia. Economic Measurement Group (EMG) Workshop, UNSW, Sydney, December 2003.
37. Constructing Price Indexes Across Countries and Time: The Case of the European Union. Econometric Society Australasian Meetings, UNSW, July 2003.
38. Accounting for Unexpected Capital Gains on Natural Assets in Net National Product. Economics and Environment National Workshop, ANU, Canberra, May 2003.
39. Measuring Price Differences Across Space and Time: The Case of the European Union's Harmonized Index of Consumer Prices. 27<sup>th</sup> General Conference of the International Association for Research in Income and Wealth, Djurhamn, Sweden, August 2002.
40. Superlative Index Numbers: Not All of Them Are Super. Economic Measurement Group (EMG) Workshop, UNSW, Sydney, March 2001.
41. Linking Countries and Regions using Chaining Methods. Joint World Bank/OECD Conference on Purchasing Power Parities, January 2001.
42. Superlative Index Numbers: Not All of Them Are Super. Central European Economic Theory Workshop, Udine, June 2000.
43. Paasche-Laspeyres Spreads, Superlative Index Numbers and the Desirability of Chaining. Economic Measurement Group (EMG) Workshop, UNSW, Dec. 1999.
44. Bilateral and Multilateral Estimates of the Relative Purchasing Power of the Canadian and US Dollars. Canadian Economic Association Meeting, Ottawa, May 1998.
45. Conditions under Which Chaining Reduces the Substitution Bias of Price and Quantity Indexes. Econometric Society Australasian Meetings, Melbourne, July 1997.

46. Comparing Price Levels and Living Standards Across the ESCAP Countries using Spanning Trees and other Aggregation Methods. United Nation Conference on Comparisons of Living Standards in the ESCAP Region, Beijing, June 1997.
47. Constructing Upper and Lower Bounds on Per Capita Income Differentials Across the ESCAP Countries. United Nation Conference on Comparisons of Living Standards in the ESCAP Region, Beijing, June 1997.
48. Measuring Inflation Using Spanning Trees. Australian Economic Society Meetings, Canberra, Sept. 1996.
49. Measuring Per Capita Income Differentials Across Countries. Econometric Society Australasian Meetings, Perth, July 1996.
50. The Measurement of Depletion of Renewable Resources. Conference on Environment, Trade and Growth, Organized by Deakin University and the Journal of International Trade and Economic Development, Melbourne, August 1996.
51. Chained Purchasing Power Parities and Minimum Spanning Trees. Conference on Research in Income and Wealth, National Bureau of Economic Research, Washington, DC: March 1996.
52. Purchasing Power Parities, Exchange Rates and Inequality Across Countries. Conference on Improving the Quality of Price Indices, Organized by the University of Florence and Eurostat, Florence, Italy, Dec. 1995.
53. Improving the Sensitivity of Data Envelopment Analysis by Reducing Dimensionality. Productivity Measurement Workshop, Organized by the University of New England, Armidale, Nov. 1995.

### **Seminar Presentations**

I have presented seminars at the following institutions:

Australian Bureau of Statistics; Australian National University; Australian Treasury; Bank of England; Birkbeck College; Bureau of Labor Statistics; Cambridge University; Cardiff Business School; Curtin University; European Central Bank; Federal Reserve Bank in St Louis; Institute of Advanced Studies (Vienna); LaTrobe University; London School of Economics; Macquarie University; Monash University; Office of National Statistics (London); Reserve Bank of Australia; Royal Holloway College; Singapore Statistical Office; Statistics Netherlands; Tilberg University; University College Dublin; University of Aarhus; University of California at Davis; University of California at Santa Barbara; University of Graz; University of Groningen; University of Konstanz; University of Linz; University of Melbourne; University of Queensland; University of Southampton; University of Sussex; University of Sydney; University of Technology Sydney (UTS); University of Western Australia; University of York; Vienna Institute for International Economic Studies (WIIW); Washington University in St Louis; Wegener Centre in Graz, World Bank.