



Visiting Assistant Professor, Department of Economics, University of Michigan, 1977-78

## **PUBLICATIONS**

### **BOOK**

*Productivity and Growth: A Disaggregated Study of British Industry, 1954-86* (with Mary O'Mahony). Cambridge University Press, 1994.

### **ARTICLES**

1. "Rates of return and alternative measures of capital input: 14 countries and 10 branches, 1971-2005" (with Ana Rincon-Aznar). Forthcoming in *Industrial Productivity in Europe: Growth and Crisis*, edited by Mathilde Mas and Robert Stehrer. Edward Elgar. Discussion paper version: <http://cep.lse.ac.uk/pubs/download/dp0957.pdf>.
2. "Convergence de la productivité des entreprises, mondialisation, technologies de l'information et concurrence" (with Paul-Antoine Chevalier and Rémy Lecat). *Économie et Statistique*, n° 419-420, August 2009, pp. 101-124 [<http://www.insee.fr/fr/publications-et-services/sommaire.asp?codesage=ECO419&nivgeo=0>]. Discussion paper version (in English): <http://cep.lse.ac.uk/pubs/download/dp0916.pdf>.
3. "Chain indices of the cost of living and the path-dependence problem: an empirical solution". *Journal of Econometrics*, volume 144: 1 (May), 306-324, 2008. [<http://dx.doi.org/10.1016/j.jeconom.2008.02.001>]; discussion paper version: <http://cep.lse.ac.uk/pubs/download/dp0797.pdf>.
4. "Investment-specific technological change and growth accounting". *Journal of Monetary Economics*, vol. 54:4 (May), 1290-1299, 2007. [<http://dx.doi.org/10.1016/j.jmoneco.2006.02.004>]; discussion paper version: <http://www.bankofengland.co.uk/publications/workingpapers/wp213.pdf>.
5. "Ex post versus ante ex measures of the user cost of capital". *Review of Income and Wealth*, Series 53, No. 2 (June), 295-317, 2007. [Discussion paper version: <http://cep.lse.ac.uk/pubs/download/dp0698.pdf>].
6. "The case of the missing productivity growth: or, does information technology explain why productivity accelerated in the United States but not in the United Kingdom?" (with Susanto Basu, John Fernald, and Sally Srinivasan). In *NBER Macroeconomics Annual 2003* (edited by Mark Gertler and Kenneth Rogoff), Cambridge, MA: The MIT Press, 2004. Reprinted in *The Economics of Productivity* (The International Library of Critical Writings in Economics 236),

- edited by Dale W. Jorgenson, 2009. Cheltenham, UK: Edward Elgar. [Discussion paper version: <http://papers.nber.org/papers/w10010>].
7. “A statistical framework for the analysis of productivity and sustainable development”. Paper prepared for the Allsopp Review of Statistics for Economic Policymaking, 2004. [[http://webarchive.nationalarchives.gov.uk/20100407010852/http://www.hm-treasury.gov.uk/d/allsopp\\_oulton\\_140.pdf](http://webarchive.nationalarchives.gov.uk/20100407010852/http://www.hm-treasury.gov.uk/d/allsopp_oulton_140.pdf)]. Discussion paper version: <http://cep.lse.ac.uk/pubs/download/dp0629.pdf>.
  8. “Productivity versus welfare: or, GDP versus Weitzman’s NDP”. *The Review of Income and Wealth*, series 50, no. 3 (September), pages 329-355, 2004. [Discussion paper version: <http://www.bankofengland.co.uk/publications/workingpapers/wp163.pdf>]
  9. “ICT and productivity growth in the UK”. *Oxford Review of Economic Policy*, 18, No. 3, 363-379, 2002. Reprinted in *The Economics of Productivity* (The International Library of Critical Writings in Economics 236), edited by Dale W. Jorgenson, 2009. Cheltenham, UK: Edward Elgar.
  10. “Galtonian regression, company age and job generation 1986-95”. [with Peter E. Hart]. *Scottish Journal of Political Economy*, 48 (February), 82-98, 2001.
  11. “Measuring capital services in the United Kingdom”. *Bank of England Quarterly Bulletin*, 295-307, Autumn 2001. [<http://www.bankofengland.co.uk/publications/quarterlybulletin/qb010302.pdf>]
  12. “Must the growth rate decline? Baumol’s unbalanced growth revisited”. *Oxford Economic Papers*, 53, 605-627, 2001. [Discussion paper version: <http://www.bankofengland.co.uk/publications/workingpapers/wp107.pdf>]
  13. “International comparisons of labour productivity in transport and communications: the US, the UK and Germany”. [with Mary O’Mahony]. *Journal of Productivity Analysis*, 14, 7-30, 2000. [Discussion paper version: [www.niesr.ac.uk/pubs/dps/dp117.ps](http://www.niesr.ac.uk/pubs/dps/dp117.ps)].
  14. “Why do foreign-owned firms in the UK have higher labour productivity?”. In N. Pain (ed), *Inward Investment, Technological Change and Growth: The Impact of Multinational Corporations on the UK Economy*, Houndsmill, Basingstoke and New York: Palgrave, 2000.
  15. “A tale of two cycles: closure, downsizing and productivity growth in UK manufacturing, 1973-89”. *National Institute Economic Review*, No. 173, July, 66-80, 2000.
  16. “Gibrat, Galton and job generation”. [with Peter E. Hart]. *International Journal of the Economics of Business*, 6 (No. 2), 149-164, 1999.

17. "Competition and the dispersion of labour productivity amongst UK companies". *Oxford Economic Papers*, 50 (January), 23-38, 1998. [Discussion paper version: [www.niesr.ac.uk/pubs/dps/dp103.ps](http://www.niesr.ac.uk/pubs/dps/dp103.ps)].
18. "The implications of the Boskin report". *National Institute Economic Review*, No. 165 (July), pp. 89-98, 1998.
19. "Market services: productivity benchmarks for the UK". [with Mary O'Mahony and Jennet Vass]. *Oxford Bulletin of Economic and Statistics*, November 1998. [Discussion paper version: [www.niesr.ac.uk/pubs/dps/dp105.ps](http://www.niesr.ac.uk/pubs/dps/dp105.ps)].
20. "Zipf and the size distribution of firms" (with P.E. Hart). *Applied Economics Letters*, 4, 205-206, 1997.
21. "Total factor productivity growth and the role of externalities". *National Institute Economic Review*, No. 162 (October), 99-111, 1997.
22. "The ABI Respondents Database: a new resource for industrial economics research". *Economic Trends*, No. 528, November 1997.
23. "Daniele Archibugi and Jonathan Michie (eds.) *Technology, Globalisation and Economic Performance* (Cambridge: Cambridge University Press, 1997): A Review Article". *International Journal of the Economics of Business*, 5, 1998, 409-414.
24. "Increasing returns and externalities in UK manufacturing: myth or reality?" *Journal of Industrial Economics*, XLIV (March), 99-113, 1996.
25. "Workforce skills and export competitiveness: an Anglo-German comparison". In Alison L. Booth and Dennis J. Snower (eds.) *Acquiring Skills: Market Failures, Their Symptoms and Policy Responses*. Cambridge University Press for Centre for Economic Policy Research, 1996.
26. "How high is the social rate of return to investment?" (with Garry Young). *Oxford Review of Economic Policy*, June 1996.
27. "Growth and size of firms" (with P.E. Hart). *Economic Journal*, 106, no. 438 (September), 1242-1252, 1996.
28. "Depreciation, obsolescence and the role of capital in growth accounting". *Bulletin of Economic Research*, vol.47, January 1995.
29. "Do UK price indexes overstate inflation?". *National Institute Economic Review*, No. 152, May 1995.
30. "Supply side reform and UK economic growth: what happened to the miracle?". *National Institute Economic Review*, No. 154, November 1995.

31. "The British system of youth training: a comparison with Germany" (with Hilary Steedman). In Lisa M. Lynch (ed.) *Training and the private sector: international comparisons*, Chicago University Press for NBER, 1994.
32. "Labour productivity and unit labour costs in manufacturing: the U.K. and its competitors." *National Institute Economic Review*, No. 148, May 1994.
33. "Widening the human stomach: the effect of new consumer goods on economic growth and leisure". *Oxford Economic Papers*, vol. 45, July 1993.
34. "Investment and productivity growth", in A. Britton (ed.) *Industrial investment as a policy objective*, NIESR, Report Series No. 3, 1992
35. *Trade in Services and the European Community*. Trade Policy Research Centre, Thames Essay No. 56, 1990.
36. "Labour productivity in UK manufacturing in the 1970s and in the 1980s", *National Institute Economic Review*, No. 132, May 1990.
37. "Productivity growth in manufacturing, 1963-85: the roles of new investment and scrapping", *National Institute Economic Review*, No. 127, February 1989.
38. "Trade unions, product quality and the structure of international trade", in J Black and A I MacBean (eds). *Causes of Changes in the Structure of International Trade, 1960-1985*, Macmillan, 1989.
39. "Plant closures and the productivity "miracle" in manufacturing", *National Institute Economic Review*, No. 121, August 1987.
40. "Persistence of wages, prices and output under rational expectations when the labour market is dominated by workplace bargaining", *Manchester School*, vol. 51, June 1983.
41. "Aggregate investment and Tobin's Q: the evidence from Britain", *Oxford Economic Papers*, July 1981.
42. "Explaining aggregate investment in Britain: the importance of Tobin's Q", *Economics Letters*, vol. 1, 1978.
43. "Inheritance and the distribution of wealth", *Oxford Economic Papers*, vol. 28, March 1976.
44. "Effective protection in Britain" in W M Corden and G Fels (eds). *Public Assistance to Industry*, Macmillan for Trade Policy Research Centre, 1976.
45. "The distribution of education and the distribution of income", *Economica*, vol. 41, November 1974.
46. "Tariffs, taxes and trade: the effective protection approach", Government Economic Service Occasional Papers 6, HMSO, 1973.

47. “A cost benefit study of alternative runway investment at Edinburgh (Turnhouse) airport”, (with J.B. Heath) in J.N. Wolfe (ed). *Cost Benefit and Cost Effectiveness: Studies and Analysis*, George Allen and Unwin, 1973.

#### **SELECTED DISCUSSION PAPERS, 1998-**

1. “Long term implications of the ICT revolution: applying the lessons of growth accounting and growth theory”. Centre for Economic Performance, Discussion Paper no. 1027, November 2010. [<http://cep.lse.ac.uk/pubs/download/dp1027.pdf>].
2. “The wealth and poverty of nations: true PPPs for 141 countries”. Mimeo. March 2010.
3. “Rates of return and alternative measures of capital input: 14 countries and 10 branches, 1971-2005” (with Ana Rincon-Aznar), Centre for Economic Performance, Discussion Paper no. 957, November 2009. [<http://cep.lse.ac.uk/pubs/download/dp0957.pdf>].
4. “How to measure living standards and productivity”. Centre for Economic Performance, Discussion Paper no. 949, 2009. [<http://cep.lse.ac.uk/pubs/download/dp0949.pdf>].
5. “Convergence of firm-level productivity, globalisation, information technology, and competition: evidence from France” (with Paul-Antoine Chevalier and Rémy Lecat), March 2009. [English translation of “Convergence de la productivité des entreprises, globalisation, technologies de l’information et concurrence”, *Économie et Statistique*, n° 419-420, August 2009, pp. 101-124]. Centre for Economic Performance, Discussion Paper no. 916, 2009. [<http://cep.lse.ac.uk/pubs/download/dp0916.pdf>].
6. “Jeremy Greenwood and Per Krusell, ‘Growth accounting with investment-specific technological progress: a discussion of two approaches’: A rejoinder”. Centre for Economic Performance, Discussion Paper no. 802, 2007. [<http://cep.lse.ac.uk/pubs/download/dp0802.pdf>].
7. “Chain indices of the cost of living and the path-dependence problem: an empirical solution”. Centre for Economic Performance, Discussion Paper no. 797, 2007. [<http://cep.lse.ac.uk/pubs/download/dp0797.pdf>].
8. “Productivity growth in UK industries, 1970-2000: structural change and the role of ICT” (with Sylaja Srinivasan). Bank of England Working Paper no. 259, March 2005. [<http://www.bankofengland.co.uk/publications/workingpapers/wp259.pdf>]
9. “Productivity growth and the role of ICT in the United Kingdom: an industry view, 1970-2000” (with Sylaja Srinivasan). Centre for Economic Performance, Discussion Paper no. 681, March 2005. [<http://cep.lse.ac.uk/pubs/download/dp0681.pdf>].

10. “Ex post versus ante ex measures of the user cost of capital”. Centre for Economic Performance, Discussion Paper no. 698, July 2005. [<http://cep.lse.ac.uk/pubs/download/dp0698.pdf>].
11. “Investment-specific technological change and growth accounting”. Bank of England Working Paper no 213, February 2004.  
[<http://www.bankofengland.co.uk/publications/workingpapers/wp213.pdf>]
12. “A statistical framework for the analysis of productivity and sustainable development”. Paper prepared for the Allsopp Review of Statistics for Economic Policymaking, 2004. Centre for Economic Performance, Discussion Paper no. 0629.  
[<http://cep.lse.ac.uk/pubs/download/dp0629.pdf>].
13. “Capital stocks, capital services, and depreciation: an integrated framework” (with Sylaja Srinivasan). Bank of England Working Paper no. 192, May 2003.  
[<http://www.bankofengland.co.uk/publications/workingpapers/wp192.pdf>]
14. “Modelling investment when relative prices are trending: theory and evidence for the UK” (with Hasan Bakhshi and Jamie Thompson). Bank of England Working Paper no. 189, May 2003.  
[<http://www.bankofengland.co.uk/publications/workingpapers/wp189.pdf>]
15. “The case of the missing productivity growth: or, does information technology explain why productivity accelerated in the United States but not the United Kingdom?” (with Susanto Basu, John Fernald, and Sylaja Srinivasan). NBER Working Paper no. 10010, October 2003.  
[Published in *NBER Macroeconomics Annual 2003* (edited by Mark Gertler and Kenneth Rogoff), Cambridge, MA: The MIT Press, 2004]. [<http://papers.nber.org/papers/w10010>]
16. “The Bank of England industry dataset” (with Sylaja Srinivasan). Bank of England, mimeo. June 2003. [[http://www.nber.org/data-appendix/basu\\_et\\_al/basu-et-al9-22-03\\_u.k.data-appendix.pdf](http://www.nber.org/data-appendix/basu_et_al/basu-et-al9-22-03_u.k.data-appendix.pdf)]
17. “Productivity versus welfare: or, GDP versus Weitzman’s NDP”. Bank of England Working Paper No. 163. September 2002. [A shortened version was published in *The Review of Income and Wealth*, series 50, no. 3 (September), pages 329-355, 2004].  
[<http://www.bankofengland.co.uk/publications/workingpapers/wp163.pdf>]
18. “ICT and productivity growth in the United Kingdom”. Bank of England Working Paper No. 140. July 2001. [A shortened version appeared in *Oxford Review of Economic Policy*, Vol. 18, No. 3, 2002, 363-379]. [<http://www.bankofengland.co.uk/publications/workingpapers/wp140.pdf>]
19. “A Tale of Two Cycles: Closure, Downsizing and Productivity Growth in UK Manufacturing, 1973-89”. NIESR Discussion Paper No. 140. August 1998. [A revised version has been published in *National Institute Economic Review*, July 2000].  
[[www.niesr.ac.uk/pubs/dps/dp140.pdf](http://www.niesr.ac.uk/pubs/dps/dp140.pdf)]

20. “Investment, Capital, and Foreign Ownership in UK Manufacturing”. NIESR Discussion Paper No. 141. August 1998. [Part of this has appeared as “Why do foreign-owned firms in the UK have higher labour productivity?”, in N. Pain (ed), *Inward Investment, Technological Change and Growth: The Impact of Multinational Corporations on the UK Economy*, Basingstoke: Macmillan Press Ltd, 2000]. [[www.niesr.ac.uk/pubs/dps/dp141.pdf](http://www.niesr.ac.uk/pubs/dps/dp141.pdf)]
21. “Must the growth rate decline? Baumol’s unbalanced growth revisited”. Bank of England Working Paper Series No. 107 (January 2000). [A slightly shortened version was published in *Oxford Economic Papers*, 53, 2001]. [<http://www.bankofengland.co.uk/publications/workingpapers/wp107.pdf>]
22. “Labour Productivity and Foreign Ownership”. NIESR Discussion Paper No. 143. September 1998. [[www.niesr.ac.uk/pubs/dps/dp143.pdf](http://www.niesr.ac.uk/pubs/dps/dp143.pdf)].

## **REPORTS**

1. *The Overstatement of Inflation: True but Misunderstood*. [with Andrew Smithers]. Smithers and Co. Ltd, July 1997.
2. *Accounting for Jobs: the Roles of Survivors, Company Births and Company Deaths*. NIESR: A report to the Department of Trade and Industry. May 1996.
3. *Company births, company deaths and job creation*. NIESR: A report to 3i Group plc. September 1995.
4. *The Accuracy and Reliability of U.K. Price Indexes: A Report to HM Treasury*. Government Economic Service Working Paper No. 126 (Treasury Working Paper No. 68). January 1995.
5. *Company births, company deaths and job creation*. NIESR: A report to 3i Group plc. September 1995.
6. *Imported Finished Intermediate Manufactures: Their Role in the PPI*. NIESR: A report to the Central Statistical Office. April 1995.
7. *Labour Productivity and Unit Labour Costs in Manufacturing: Scotland, the U.K. and 12 Major Competitors*. A report to the Scottish Office, May 1994.
8. *The Role of the Medium Size Company in the U.K. Economy*. NIESR: A report to 3i Group plc. April 1994.

## CONFERENCES AND SEMINARS WHERE I PRESENTED PAPERS, 2000-

2010

1. “How to measure living standards and productivity”. Royal Economic Society 2010 Conference, University of Surrey, 29-31 March 2010.
2. “The wealth and poverty of nations: true PPPs for 141 countries”. Conference on “International comparisons of prices, income and productivity”, University of Oxford, 8-9 April 2010.
3. “How to measure living standards and productivity”. 6<sup>th</sup> North American Productivity Workshop, Rice University, Houston, Texas, 2-5 June 2010.
4. “Rates of return and alternative measures of capital input: 14 countries and 10 branches, 1971-2005”. World KLEMS Conference, Harvard University, Boston 19-20 August 2010.
5. “How to measure living standards and productivity”. 31<sup>st</sup> General Conference of the International Association for Research in Income and Wealth, St Gallen, Switzerland, 22-28<sup>th</sup> August, 2010. Discussant at the same conference of “British economic growth, 1270-1870” by S. Broadberry et al.
6. “How to measure living standards and productivity”. Workshop in Honour of Robert Rothschild, Lancaster University Management School, September 21<sup>st</sup> 2010.
7. “Long term implications of the ICT revolution for Europe: applying the lessons of growth theory and growth accounting”, Conference on ICT and Economic Growth, Munich School of Management, Ludwig Maximilians Universität, Munich, 4-6 November 2010.
8. “Long term implications of the ICT revolution for Europe: applying the lessons of growth theory and growth accounting”, ICTNET Workshop on *The Diffusion of ICT and its Impact on Growth and Productivity*, Department of Economics, University of Parma, 16-17 December 2010.

2008

1. Discussant of paper by Nick Crafts, European Central Bank, Banque de France and The Conference Board Conference on “The Creation of Economic and Corporate Wealth in a Dynamic Economy”, Frankfurt, 16-17 January 2008.
2. Discussant of paper by Vincenzo Spiezia on “ICT growth potential”, INFISO-ECFIN Workshop “Beyond EU-KLEMS: the Need for a Deeper Understanding of the Economics of ICT, Silken-Berlaymont Hotel, Brussels, 8 April, 2008.

3. “Chain indices of the cost of living and the path-dependence problem: an empirical solution”. Presented at *The 2008 World Congress on National Accounts and Economic Performance Measures of Nations*, Key Bridge Marriott, Arlington, Virginia, May 12-17, 2008.
4. “Rates of return and alternative measures of capital input for 14 countries”, EU KLEMS Final Conference, Groningen, Netherlands, 19-20 June, 2008.

## 2007

1. “A statistical framework for the analysis of productivity at the national, regional and industrial level”. H.M. Treasury and Manchester Regional Economics Centre, Conference on “Productivity, Productivity Growth, and the Regional Dimension”, Chancellors Conference Centre, Manchester, February 27-28, 2007.
2. “Stress Testing the EU KLEMS Database: Alternative Measures of Capital Input”. EU KLEMS Consortium Meeting, Brussels, March 16-17 2007.
3. “Chain indices of the cost of living and the path dependence problem: an empirical solution”, Department of Economics, University of St Andrews, 3 May, 2007.
4. “Chain indices of the cost of living and the path dependence problem: an empirical solution”, PIIP seminar, Centre for Economic Performance, London School of Economics, 10 May 2007.
5. Discussant at the “Tenth European Workshop on Efficiency and Productivity Analysis: Retrospect and Prospect”, IESEG School of Management, Lille, June 27-29, 2007.
6. “Chain indices of the cost of living and the path dependence problem: an empirical solution”, Centre for Applied Economic Research, Australian School of Business at UNSW, September 5<sup>th</sup>, 2007.
7. “Projecting the growth of potential output: applying the lessons of growth accounting and growth theory”, Singapore Centre for Applied and Policy Economics, Singapore National University, September 19<sup>th</sup>, 2007.

## 2006

1. “Productivity growth and the role of ICT in the UK, 1979-2000: an industry view.” Seminar to WPEG, Sheffield, 13 January 2006.
2. Comment on Jorgenson, Ho and Stiroh”. Banque de France and Bank of Canada Workshop, *Perspective on Potential Output and Productivity Growth*, Enghien-les-Bains, April 24 and 25, 2006.

3. “Productivity growth and the role of ICT in the UK, 1979-2000: an industry view.” *Productivité et Croissance*, Conference at the Banque de France, Paris, 3 July, 2006.
4. “Index numbers: a users’ guide”. Seminar at the Banque de France, Paris, September 20, 2006.

#### 2005

1. “Ex post versus ex ante measures of the user cost of capital”. 2<sup>nd</sup> EU KLEMS Consortium Meeting, Helsinki, 9-11 June 2005.
2. “Productivity Growth in UK Industries, 1970-2000: The Role of ICT”. LBS-NIESR conference on “The Economic Impact of ICT: Firms, Industries and the Macroeconomy”, London Business School, London, 1 July 2005.

#### 2004

1. “The Case of the Missing Productivity Growth: Or, Why Has Productivity Accelerated in the U.S. But Not in the U.K.?” Banque de France and CEPII conference on “Divergences in Productivity Between Europe and the United States”, Royaumont Abbey, France, 21-23 March 2004
2. “ICT and productivity growth in the UK”. Asia Pacific Productivity Conference (APPC), University of Queensland, Brisbane, 14-16 July 2004.
3. “ICT investment and productivity growth”. Seminar on investment, HM Treasury, 28 September 2004.
4. “Productivity growth in UK industries, 1970-2000: structural changer and the role of ICT”. MA seminar, Bank of England, 11 October 2004.
5. “Capital stocks, capital services, and depreciation: an integrated framework”. 1<sup>st</sup> EU KLEMS Consortium Meeting, NIESR, London, 26-27 October 2004.
6. “Productivity growth in UK industries, 1970-2000: structural changer and the role of ICT”. EPKE conference on “Information technology, productivity and growth”, NIESR, London, 28-29 October 2004.

#### 2003

1. “The case of the missing productivity growth: or, why has productivity accelerated in the U.S. but not in the U.K.?”. NBER Macroeconomic conference, Boston 4<sup>th</sup>-5<sup>th</sup> April.

2002

1. CSSA Zenith Event, Renaissance London Chancery Court Hotel, 22<sup>nd</sup> January. “The impact of ICT on the growth of the UK economy.
2. DTI-HMT seminar, DTI, 7<sup>th</sup> February. “Productivity versus welfare: or, Weitzman’s NDP versus GDP”.
3. Presentation to panel session of IAOS Conference on the New Economy entitled “Is there a new economy?”, Church House, London, 28<sup>th</sup> August 2002. [Other panellists were Robert Gordon (Northwestern) and Dan Sichel (Board of Governors of the Federal Reserve); chaired by Dale Jorgenson].
4. “Investment-specific technological change and growth accounting”. Seminar at Federal Reserve Board, Washington, D.C., 30 September 2002.
5. “Productivity versus welfare: or, GDP versus Weitzman’s NDP”. Seminar at Federal Reserve Board, Washington, D.C., 2 October 2002.
6. “Peering through the fog: UK productivity growth at the industry and sectoral level.” Paper presented to the conference on *The Future of Manufacturing* at the Centre for Economic Performance, LSE, 1 November 2002.
7. Discussant at ONS productivity workshop, Department of Trade and Industry, 11 November 2002.

2001

1. Lancaster University, 22 March. “ICT and productivity growth in the UK”.
2. Money, Macro and Finance Conference, Belfast University, 5-7<sup>th</sup> September. “ICT and productivity growth in the UK”.
3. ACN Conference, INSEE, Paris, 21<sup>st</sup>-22<sup>nd</sup> November: “ICT and productivity growth in the UK”
4. Bank of England Conference on “Productivity growth: how should we measure it and where is it going?”, 12<sup>th</sup> December. “Productivity versus welfare: or, Weitzman’s NDP versus GDP”.

2000

1. Royal Economic Society Conference, St Andrews, 10-13 July. ‘Must the growth rate decline? Baumol’s unbalanced growth reconsidered’.

## **TEACHING**

I taught a 3<sup>rd</sup> year undergraduate course on economic growth while I was a Visiting Professor at University College London. While at Lancaster University I taught on a wide variety of courses, covering both micro and macro. I have also taught in the U.S. (University of Michigan) and in Australia (Sydney University). I supervised Ph.D students at Lancaster and have been an external examiner for Ph.Ds at London Business School, Oxford University and St Andrews University.

## **OTHER PROFESSIONAL ACTIVITIES**

1. Member, Editorial Board of the *National Institute Economic Review* (1987-1998).
2. Referee for various academic journals, including *American Economic Review*, *Economic Journal*, *Economica*, *Ecological Economics*, *Economics of Transition*, *Fiscal Studies*, *Journal of Economic Growth*, *Journal of Industrial Economics*, *Journal of Monetary Economics*, *Journal of Productivity Analysis*, *Labour Economics*, *Manchester School*, *Oxford Bulletin of Economics and Statistics*, *Oxford Economic Papers*, *Review of Income and Wealth*, *Scottish Journal of Political Economy*, *World Economy*.
3. In collaboration with colleagues at the Office for National Statistics, I helped to set up the Annual Respondents Database (ARD): see my 1997 article in *Economic Trends* listed above. This longitudinal database has been very widely used by the research community.