

## **Curriculum Vitae: Nicholas F. R. Crafts**

### **Born**

March 9, 1949, Nottingham, England; married with 3 children and 6 grandchildren.

### **Educated**

Trinity College, Cambridge. First Class Honours, Economics Tripos, parts I & II, 1967-1970.

### **Employment**

1971-72: Lecturer in Economic History, University of Exeter.

1972-77: Lecturer in Economics, University of Warwick (on leave 1974-6).

1974-76: Visiting Assistant Professor of Economics, University of California, Berkeley.

1977-86: CUF Lecturer in Economics, University of Oxford and Fellow in Economics, University College, Oxford (on leave 1982-3).

1982-83: Visiting Professor of Economics, Stanford University.

1987-88: Professor of Economic History, University of Leeds.

1988-95: Professor of Economic History, University of Warwick.

1995-2005: Professor of Economic History, London School of Economics.

2006-09: Professor of Economic History, University of Warwick.

2010-19: Professor of Economic History and Director of ESRC CAGE Research Centre, University of Warwick.

2019-: Professor of Economic History, University of Sussex (0.3FTE)

### **Honours**

Wrenbury Scholarship for Best Degree in Economics at Cambridge in 1970.

Fellow of the British Academy, 1992.

Honorary Professor, University of Warwick, 1995-2005.

Founding Academician, Academy of Learned Societies for the Social Sciences, 1999.

President, Economic History Society, 2004-7.

CBE, Queen's Birthday Honours List, 2014.

Fellow of the Cliometric Society, 2015.

Jonathan Hughes Prize for Excellence in Teaching Economic History, Economic History Association, 2017.

Emeritus Professor, University of Warwick, 2019-

Doctor Honoris Causa, Universidad Carlos III de Madrid, 2020.

Fellow of the Economic History Association, 2020.

President-Elect, Royal Economic Society, 2021-2.

### **Major Grants**

1992-3: 279,000 Ecus from European Commission to direct Research Network on Postwar Economic Growth, with G. Toniolo.

2001-5: £167,654 from Economic & Social Research Council for research on "Understanding the Effects of Different Generations of Large-Scale Technological Change", with T. Leunig. *Project report graded "Outstanding" by ESRC.*

2006-7: £98,912 from Economic & Social Research Council for research on "The Effect of Ownership and Regulation on British Railway Performance, 1850-2006", with T. Leunig.

2010-14: £3.6 million from Economic & Social Research Council for ESRC Research Centre on Competitive Advantage in the World Economy (CAGE).

2015-19: £3.47 million from Economic & Social Research Council for ESRC Research Centre on Competitive Advantage in the Global Economy (CAGE).

### **Publications**

#### **a) Books**

1) *British Economic Growth during the Industrial Revolution* (Oxford: Clarendon Press, 1985); reprinted in paperback 1986, 1987, 1990, 1991. Pp.193.

2) *Forging Ahead, Falling Behind, Fighting Back: British Economic Growth from the Industrial Revolution to the Financial Crisis* (Cambridge: CUP, 2018). Pp. 152.

#### **b) Edited Books.**

3) *The British Economy since 1945* (Oxford: Clarendon Press, 1991) with N. W. C. Woodward.

4) *Essays in Quantitative Economic History* (Oxford: OUP, 1991) with N. H. Dimsdale and S. L. Engerman.

5) *Britain in the International Economy, 1870-1939* (Cambridge: CUP, 1992) with S. N.

Broadberry.

- 6) *Economic Growth in Europe since 1945* (Cambridge: CUP, 1996) with G. Toniolo.
- 7) *Quantitative Aspects of Postwar European Economic Growth* (Cambridge: CUP, 1996), with B. van Ark.
- 8) *Work and Pay in Twentieth Century Britain* (Oxford: OUP, 2007), with I. Gazeley and A. Newell.
- 9) *Monetary and Banking History: Essays in Honour of Forrest Capie* (London: Routledge, 2011), with G. E. Wood and T. C. Mills.
- 10) *The Great Depression of the 1930s: Lessons for Today* (Oxford: OUP, 2013), with P. Fearon.

**c) Papers in Refereed Journals.**

- 11) "Trade as a Handmaiden of Growth: An Alternative View", *Economic Journal* (1973), 83, 875-884, reprinted in C. K. Harley (ed.), *The Integration of the World Economy, 1850-1914* (Elgar, 1996).
- 12) "The Role of Simulation Techniques in the Theory and Observation of Family Formation", *Population Studies* (1975), 29, 75-95, with N. J. Ireland; reprinted in Russian in *Novoe V Zarubezhnoi Demografii pod redaktsiei A. G. Volkora*, Moscow, 1980.
- 13) "English Economic Growth in the Eighteenth Century: A Re-examination of Deane and Cole's Estimates", *Economic History Review* (1976), 29, 226-235.
- 14) "A Simulation of the Impact of Changes in Age at Marriage before and during the Advent of Industrialization in England", *Population Studies* (1976), 30, 495-510, with N. J. Ireland.
- 15) "Family Limitation and the English Demographic Revolution: A Simulation Approach", *Journal of Economic History* (1976), 36, 598-623, with N. J. Ireland.
- 16) "Determinants of the Rate of Parliamentary Enclosure", *Explorations in Economic History* (1977), 14, 227-249.
- 17) "Industrial Revolution in England and France: Some Thoughts on the Question 'Why Was England First?'"', *Economic History Review* (1977), 30, 429-41; reprinted in J. Mokyr (ed.), *The Economics of the Industrial Revolution* (Rowman and Allenheld, 1985).
- 18) "Enclosure and Labor Supply Revisited", *Explorations in Economic History* (1978), 15, 172-183.
- 19) "Entrepreneurship and a Probabilistic View of the Industrial Revolution", *Economic History Review* (1978), 31, 613-614.
- 20) "Average Age at First Marriage for Women in Mid-Nineteenth Century England and

- Wales", *Population Studies* (1978), 32, 21-25.
- 21) "Victorian Britain Did Fail", *Economic History Review* (1979), 32, 533-537; reprinted in D. N. McCloskey, *Enterprise and Trade in Victorian Britain* (Allen and Unwin, 1981).
  - 22) "National Income Estimates and the British Standard of Living Debate: A Reappraisal of 1801-31", *Explorations in Economic History* (1980), 17, 176-188.
  - 23) "Regional Price Variations in England in 1843: An Aspect of the Standard of Living Debate", *Explorations in Economic History* (1982), 19, 51-70.
  - 24) "Illegitimate Fertility in England and Wales in 1911", *Population Studies* (1982), 36, 327-331.
  - 25) "British Economic Growth, 1700-1831: A Review of the Evidence", *Economic History Review* (1983), 36, 177-199.
  - 26) "Gross National Product in Europe, 1870-1910: Some New Estimates", *Explorations in Economic History* (1983), 20, 387-401.
  - 27) "Economic Growth in France and Britain, 1830-1910: A Review of the Evidence", *Journal of Economic History* (1984), 44, 49-67.
  - 28) "A Cross Section Study of Legitimate Fertility in England and Wales in 1911", *Research in Economic History* (1984), 9, 89-107.
  - 29) "Patterns of Economic Development in Nineteenth Century Europe", *Oxford Economic Papers* (1984), 36, 438-458; reprinted in B. van Ark (ed.), *Economic Growth in the Long Run: A History of Empirical Evidence* (Elgar, 1996).
  - 30) "English Workers' Real Wages during the Industrial Revolution: Some Remaining Problems", *Journal of Economic History* (1985), 45, 139-144.
  - 31) "Some Evidence of Insider Knowledge in Horserace Betting in Britain", *Economica* (1985), 52, 295-304; reprinted in L. Vaughan Williams (ed.), *The Economics of Gambling and National Lotteries* (Elgar, 2011).
  - 32) "Comparative Advantage in UK Manufacturing Trade, 1910-1935", *Economic Journal* (1986), 96, 629-645, with M. F. Thomas; reprinted in C. H. Feinstein (ed.), *The Economic Development of Britain since 1870* (Elgar, 1996) and in C. K. Harley (ed.), *The Integration of the World Economy, 1850-1914* (Elgar, 1996).
  - 33) "British Economic Growth, 1700-1850": Some Difficulties of Interpretation", *Explorations in Economic History* (1987), 24, 245-268.
  - 34) "How Much Have We Learnt about Fertility Change during Modernization?", *Contemporary Sociology* (1987), 16, 679-681.
  - 35) "Long Term Unemployment in Britain in the 1930s", *Economic History Review* (1987),

- 40, 418-432.
- 36) "Cliometrics, 1971-1986: A Survey", *Journal of Applied Econometrics* (1987), 2, 171-192.
- 37) "The Assessment: British Economic Growth over the Long Run", *Oxford Review of Economic Policy* (1988), 4(1), i-xxi.
- 38) "British Industrialization in an International Context", *Journal of Interdisciplinary History* (1989), 29, 415-428; reprinted in C. K. Harley (ed.), *The Integration of the World Economy, 1850-1914* (Elgar, 1996).
- 39) "Trends and Cycles in British Industrial Production, 1700-1913", *Journal of the Royal Statistical Society* (1989), series A, 152, 43-60, with S. J. Leybourne and T. C. Mills.
- 40) "The Climacteric in Late Victorian Britain and France: A Reappraisal of the Evidence", *Journal of Applied Econometrics* (1989), 4, 103-117, with S. J. Leybourne and T. C. Mills.
- 41) "Long Term Unemployment, Excess Demand and the Wage Equation in Britain, 1925-1939", *Economica* (1989), 56, 247-254.
- 42) "Duration of Marriage, Fertility and Women's Employment Opportunities in England and Wales in 1911", *Population Studies* (1989), 43, 325-335.
- 43) "The Impact of the Depression of the 1930s on Productive Potential in the United Kingdom", *European Economic Review* (1990), 34, 599-607, with S. N. Broadberry.
- 44) "Measurement of Trend Growth in European Industrial Output before 1914: Methodological Issues and New Estimates", *Explorations in Economic History* (1990), 27, 442-467, with S. J. Leybourne and T. C. Mills.
- 45) "Explaining Anglo-American Productivity Differentials at Mid-Century", *Oxford Bulletin of Economic and Statistics* (1990), 52, 375-402, with S. N. Broadberry.
- 46) "European Productivity in the Twentieth Century: Introduction", *Oxford Bulletin of Economic and Statistics* (1990), 52, 331-341, with S. N. Broadberry.
- 47) "Reversing Relative Economic Decline? The 1980s in Historical Perspective", *Oxford Review of Economic Policy* (1991), 7(3), 81-98; reprinted in W. Grant (ed.), *Industrial Policy* (Elgar, 1995) and in T. Jenkinson (ed.), *Readings in Macroeconomics* (Oxford University Press, 1996).
- 48) "Institutions and Economic Growth", *West European Politics* (1992), 15, 16-38.
- 49) "Output Growth and the British Industrial Revolution: A Restatement of the Crafts-Harley View", *Economic History Review* (1992), 45, 703-730, with C. K. Harley; reprinted in B. van Ark (ed.), *Economic Growth in the Long Run: A History of Empirical Evidence* (Elgar, 1996).

- 50) "Britain's Productivity Gap in the 1930s: Some Neglected Factors", *Journal of Economic History* (1992), 52, 531-558, with S. N. Broadberry.
- 51) "Productivity Growth Reconsidered", *Economic Policy* (1992), 15, 388-426.
- 52) "Adjusting from War to Peace in 1940s Britain", *Economic and Social Review* (1993), 25, 1-20.
- 53) "Trends in Real Wages in Britain, 1750-1913", *Explorations in Economic History* (1994), 31, 176-194, with T. C. Mills.
- 54) "Labour in Power but Not in Control", *Labour History Review* (1994), 59, 45-47.
- 55) "The Industrial Revolution as a Macroeconomic Epoch: An Alternative View", *Economic History Review* (1994), 47, 769-775, with T. C. Mills.
- 56) "Cotton Textiles and Industrial Output Growth during the Industrial Revolution", *Economic History Review* (1995), 48, 134-144, with C. K. Harley.
- 57) "Macro-inventions, Economic Growth and 'Industrial Revolution' in Britain and France", *Economic History Review* (1995), 48, 591-598.
- 58) "The Golden Age of Economic Growth in Western Europe, 1950-73", *Economic History Review* (1995), 48, 429-447.
- 59) "Recent Research on the National Accounts of the UK, 1700-1939", *Scandinavian Economic History Review* (1995), 43, 17-29.
- 60) "The Golden Age of Economic Growth in Postwar Europe: Why Did Northern Ireland Miss Out?", *Irish Economic and Social History* (1995), 22, 5-25.
- 61) "Exogenous or Endogenous Growth? The Industrial Revolution Reconsidered", *Journal of Economic History* (1995), 55, 745-772.
- 62) "De-Industrialisation and Economic Growth", *Economic Journal* (1996), 106, 172-183.
- 63) "The First Industrial Revolution: A Guided Tour for Growth Economists", *American Economic Review Papers and Proceedings* (1996), 86, 197-201.
- 64) " 'Post-Neoclassical Endogenous Growth Theory': What are its Policy Implications?", *Oxford Review of Economic Policy* (1996), 12(2), 30-47; reprinted in T. Jenkinson (ed.), *Readings in Macroeconomics* (Oxford University Press, 2000).
- 65) "Trend Growth in British Industrial Output, 1700-1913: A Reappraisal", *Explorations in Economic History* (1996), 33, 277-295, with T. C. Mills.
- 66) "Modelling Trends in Economic History", *The Statistician* (1996), 45, 153-159, with T.

C. Mills.

- 67) "British Economic Policy and Industrial Performance in the Early Postwar Period", *Business History* (1996), 38, 65-91, with S. N. Broadberry.
- 68) "Some Dimensions of the 'Quality of Life' during the British Industrial Revolution", *Economic History Review* (1997), 50, 690-712.
- 69) "Economic Growth in East Asia and Western Europe since 1950: Implications for Living Standards since 1950", *National Institute Economic Review* (1997), 162, 75-84.
- 70) "Endogenous Innovation, Trend Growth and the British Industrial Revolution", *Journal of Economic History* (1997), 57, 950-956, with T. C. Mills.
- 71) "The Human Development Index and Changes in Standards of Living: Some Historical Comparisons", *European Review of Economic History* (1997), 1, 299-322.
- 72) "The Postwar Settlement: Not Such a Good Bargain after All", *Business History* (1998), 39, 73-79, with S. N. Broadberry.
- 73) "Forging Ahead and Falling Behind: The Rise and Relative Decline of the First Industrial Nation", *Journal of Economic Perspectives* (1998), 12(2), 193-210.
- 74) "East Asian Growth Before and After the Crisis", *IMF Staff Papers* (1999), 46, 139-166.
- 75) "Implications of Financial Crisis for East Asian Trend Growth", *Oxford Review of Economic Policy* (1999), 15(3), 110-131.
- 76) "Economic Growth in the Twentieth Century", *Oxford Review of Economic Policy* (1999), 15(4), 18-34.
- 77) "After the Golden Age: A Long Run Perspective on Growth Rates that Speeded Up, Slowed Down and Still Differ", *The Manchester School* (2000), 68, 68-91, with T. C. Mills.
- 78) "Simulating the Two Views of the First Industrial Revolution", *Journal of Economic History* (2000), 60, 819-841, with C. K. Harley.
- 79) "Competition and Innovation in 1950s Britain", *Business History* (2001), 42, 97-118, with S. N. Broadberry.
- 80) "A Perspective on UK Productivity Performance", *Fiscal Studies* (2001), 22, 271-306, with M. O'Mahony.
- 81) "UK Real National Income, 1950-1998: Some Grounds for Optimism", *National Institute Economic Review* (2002), 181, 87-95.
- 82) "The Human Development Index, 1870-1999: Some Revised Estimates", *European Review of Economic History* (2002), 6, 395-405.

- 83) "UK Productivity Performance from 1950 to 1979: a Restatement of the Broadberry-Crafts View", *Economic History Review* (2003), 56, 718-735, with S. N. Broadberry
- 84) "Globalisation and Economic Growth: an Historical Perspective", *The World Economy* (2004), 27, 45-58; reprinted in Chinese in *Comparative Economic and Social Systems* (2005).
- 85) "Sectoral Output Trends and Cycles in Victorian Britain", *Economic Modelling* (2004), 21, 217-232, with T. C. Mills.
- 86) "Was Nineteenth Century British Growth Steam-Powered? The Climacteric Revisited", *Explorations in Economic History* (2004), 41, 156-171, with T. C. Mills.
- 87) "Long Term Growth Prospects in Transition Economies: A Reappraisal", *Structural Change and Economic Dynamics* (2004), 15, 101-118, with K. Kaiser.
- 88) "Steam as a General Purpose Technology: a Growth Accounting Perspective", *Economic Journal* (2004), 114, 338-351.
- 89) "Productivity Growth in the Industrial Revolution: a New Growth Accounting Approach", *Journal of Economic History* (2004), 64, 521-535.
- 90) "Regional GDP in Britain, 1871-1911: Some Estimates", *Scottish Journal of Political Economy* (2005), 52, 54-64.
- 91) "The First Industrial Revolution: Resolving the Slow Growth/Rapid Industrialization Paradox", *Journal of the European Economic Association* (2005), 3, 525-534.
- 92) "TFP Growth in British and German Manufacturing, 1950-1996", *Economic Journal* (2005), 115, 649-670, with T. C. Mills.
- 93) "What Explains the Location of Industry in Britain, 1871-1931?", *Journal of Economic Geography* (2005), 5, 499-518, with A. Mulatu.
- 94) "Market Potential in British Regions, 1871-1931", *Regional Studies* (2005), 39, 1159-1166.
- 95) "Regulation and Productivity Performance", *Oxford Review of Economic Policy*, (2006) 22, 186-202.
- 96) "How Did the Location of Industry Respond to Falling Transport Costs in Britain before World War I?", *Journal of Economic History* (2006), 66, 575-607, with A. Mulatu.
- 97) "Recent European Economic Growth: Why Can't It Be Like the Golden Age?", *National Institute Economic Review* (2007), 199, 69-81.
- 98) "Total Factor Productivity Growth on Britain's Railways 1852-1912: a Reappraisal of the Evidence", *Explorations in Economic History* (2007), 44, 608-634, with T. C. Mills and A. Mulatu.



- 99), "Were British Railway Companies Well-Managed in the Early Twentieth Century?", *Economic History Review* (2008), 61, 842-866, with T. Leunig and A. Mulatu.
- 100) "From Malthus to Solow: How Did the Malthusian Economy Really Evolve?", *Journal of Macroeconomics* (2009), 31, 68-93, with T. C. Mills.
- 101) "Transport Infrastructure Investment: Implications for Growth and Productivity", *Oxford Review of Economic Policy* (2009), 25, 327-343.
- 102) "Solow and Growth Accounting: a Perspective from Quantitative Economic History", *History of Political Economy* (2009), 41(5), 200-220.
- 103) "Lessons from the 1930s Great Depression", *Oxford Review of Economic Policy* (2010), 26, 285-317, with P. Fearon.
- 104) "Cliometrics and Technological Change: a Survey", *European Journal of the History of Economic Thought* (2010), 17, 1127-1147.
- 105) "The Contribution of New Technology to Economic Growth: Lessons from Economic History", *Revista de Historia Economica* (2010), 28, 409-440.
- 106) "Explaining the First Industrial Revolution: Two Views", *European Review of Economic History* (2011), 15, 153-168.
- 107) "How Good was the Profitability of British Railways, 1870-1912?", *Economic History Review* (2011), 64, 798-831, with B. Mitchell and D. Chambers.
- 108) "British Relative Economic Decline Revisited: the Role of Competition", *Explorations in Economic History* (2012), 49, 17-29.
- 109) "Making Sense of the Manufacturing Belt: Determinants of US Industrial Location, 1880-1920", *Journal of Economic Geography* (2012), 12, 775-807, with A. Klein.
- 110) "Economic History Matters", *Economic History of Developing Regions* (2012), 27, S3-S15.
- 111) "Review Essay: *Trade and Poverty* by Jeffrey Williamson", *Economic Journal* (2013), 123, F193-F197.
- 112) "Long-Term Growth in Europe: What Difference does the Crisis Make?", *National Institute Economic Review* (2013), 224, R14-R28.
- 113) "Returning to Growth: Policy Lessons from History", *Fiscal Studies* (2013), 34, 255-282.
- 114) "Rearmament to the Rescue? New Estimates of the Impact of Keynesian Policies in 1930s' Britain", *Journal of Economic History* (2013), 73, 1077-1104, with T. C. Mills.
- 115) "Ireland's Medium Term Growth Prospects: a Phoenix Rising?", *Economic and Social Review* (2014), 45, 87-112.

- 116) “What Does the 1930s’ Experience Tell Us about the Future of the Eurozone?”, *Journal of Common Market Studies* (2014), 52, 713-727.
- 117) “The Location of the UK Cotton Textiles Industry in 1838: a Quantitative Analysis”, *Journal of Economic History* (2014), 74, 1103-1139, with N. Wolf.
- 118) “UK Economic Growth since 2010: Is It as Bad as It Seems?”, *National Institute Economic Review* (2015), 231, R17-R29.
- 119) “Geography and Intra-National Home Bias: U.S. Domestic Trade in 1949 and 2007”, *Journal of Economic Geography* (2015), 15, 477-497, with A. Klein.
- 120) “Self-Defeating Austerity? Evidence from 1930s’ Britain”, *European Review of Economic History* (2015), 19, 109-127, with T. C. Mills.
- 121) “Economic Growth: Onwards and Upwards?”, *Oxford Review of Economic Policy* (2015), 31, 217-241.
- 122) “*The Rise and Fall of American Growth: Exploring the Numbers*”, *American Economic Review Papers and Proceedings* (2016), 106, 57-60.
- 123) “Reducing High Public Debt Ratios: Lessons from UK Experience”, *Fiscal Studies* (2016), 37, 201-223.
- 124) “Brexit and State Aid”, *Oxford Review of Economic Policy* (2017), 33, S105-S112.
- 125) “Six Centuries of British Economic Growth: a Time-Series Perspective”, *European Review of Economic History* (2017), 21, 141-158, with T. C. Mills.
- 126) “Is Slow Economic Growth the ‘New Normal’ for Europe?”, *Atlantic Economic Journal* (2017), 45, 283-297.
- 127) “Trend TFP Growth in the United States: Econometrics vs. Techno-Optimism”, *National Institute Economic Review* (2017), 242, R60-R67, with T.C. Mills.
- 128) “The Productivity Slowdown: Is It the ‘New Normal’?”, *Oxford Review of Economic Policy* (2018), 34, 443-460.
- 129) “Industrial Policy in the Context of Brexit”, *Fiscal Studies* (2018), 39, 685-706.
- 130) “Persistent Productivity Failure in the UK: Is the EU Really to Blame?”, *National Institute Economic Review* (2019), 247, R10-R18.
- 131) “The Sources of Growth in a Technologically Progressive Economy: the United States, 1899-1941”, *Economic Journal* (2019), 129, 2267-2294, with G. Bakker and P. Woltjer.
- 132) “The Fall in Potential Output due to the Financial Crisis: a Much Bigger Estimate for the UK”, *Comparative Economic Studies* (2019), 61, 625-635.

- 133) “Agglomeration Externalities and Productivity Growth: U.S. Cities, 1880-1930”, *Economic History Review* (2020), 73, 209-232, with A. Klein.
- 134) “Is the UK Productivity Slowdown Unprecedented?”, *National Institute Economic Review* (2020), 251, R47-R53, with T.C. Mills.
- 135) “Sooner than You Think: the Pre-1914 UK Productivity Slowdown was Victorian not Edwardian”, *European Review of Economic History* (2020), 24, 736-748, with T.C. Mills.
- 136) “Understanding Productivity Growth in the Industrial Revolution”, *Economic History Review* (2021), 74, 309-338.
- 137) “Spatial Concentration of Manufacturing Industries in the United States: Re-Examination of Long-Run Trends”, *European Review of Economic History* (2021), 25, 223-246, with A. Klein.
- 138) “Growth Accounting in Economic History: Findings, Lessons, and New Directions”, *Journal of Economic Surveys* (2021), 35, 670-696, with P. Woltjer.
- 139) “The Sources of British Economic Growth since the Industrial Revolution: Not the Same Old Story”, *Journal of Economic Surveys* (2021), 35, 697-709.
- 140) “Artificial Intelligence as a General-Purpose Technology: an Historical Perspective”, *Oxford Review of Economic Policy* (2021), 37, 521-536.
- 141) “What Can We Learn from the UK’s Post-1945 Economic Reforms?”, *Economic Affairs* (2021), 41, 354-376.
- 142) “Slow Real Wage Growth during the Industrial Revolution: Productivity Paradox or Pro-Rich Growth?”, *Oxford Economic Papers*, forthcoming.
- 143) “Brexit and Control of Subsidies”, *Oxford Review of Economic Policy*, forthcoming.
- 144) “Considering the Counterfactual: Real Wages in the First Industrial Revolution”, *Economic Journal*, forthcoming, with T.C. Mills.

**d) Papers in Non-Refereed Journals.**

- 145) "Eighteenth Century Local Population Studies in the Context of Aggregate Estimates for England and Wales", *Local Population Studies* (1974), 13, 19-29.
- 146) "Some Aspects of Interactions between Population Growth and Economic Circumstances in Eighteenth Century England and Wales", *Exeter Papers in Economic History* (1976), 11, 49-63.
- 147) "Income Elasticities of Demand and the Release of Labour by Agriculture during the British Industrial Revolution", *Journal of European Economic History* (1980), 9, 153-168; reprinted with minor revisions in J. Mokyr (ed.), *The Economics of the Industrial*

- Revolution* (Rowman and Allenheld, 1985).
- 148) "A Time Series Study of Fertility in England and Wales, 1877-1938", *Journal of European Economic History* (1984), 13, 571-590.
- 149) "What is Economic History?", *History Today* (1985), 35(2), 40-1; reprinted in J. Gardiner (ed.), *What Is...History?* (Macmillan, 1987).
- 150) "Productivity Growth and Structural Change in the British Industrial Revolution", *Refresh* (1987), 4, 1-4; reprinted in A. Digby and C. H. Feinstein (eds.), *New Directions in Economic and Social History* (Macmillan, 1989).
- 151) "Revealed Comparative Advantage in Manufacturing, 1899-1950", *Journal of European Economic History*, (1989), 18, 127-137.
- 152) "The New View of British Economic Growth and Gerschenkron's Hypotheses", *Revista di Storia Economica* (1989), 6, 39-59.
- 153) "The Implications of British Macroeconomic Policy in the 1930s for Long Run Growth Performance", *Revista di Storia Economica* (1990), 7, 1-19, with S. N. Broadberry.
- 154) "UK Productivity Performance in a Comparative Perspective" *The Economic Review* (1993), 11(2), 19-22.
- 155) "Managing Decline?: 1870-1990", *History Today* (1994), 45(6), 37-42.
- 156) "Asia's Miracle: They Think It's All Over...It Need Not Be Yet", *Economic Outlook* (1998), 23(1), 11-21.
- 157) "A Perspective on UK Productivity", *New Economy* (1999), 6(1), 3-16, with M. O'Mahony.
- 158) "Some Comparative Aspects of Ireland's Economic Transformation", *Irish Banking Review* (1999), Autumn, 39-51, with F. Barry.
- 159) "Does Britain Have a Productivity Problem?", *Economic Review* (2000), 17(3), 16-20.
- 160) "Is Economic Growth Good for Us?", *World Economics* (2003), 4(3), 35-49.
- 161) "Fifty Years of Economic Growth in Western Europe: No Longer Catching Up but Falling Behind?", *World Economics* (2004), 5(2), 131-145.
- 162) "The 'Death of Distance': What Does It Mean for Economic Development?", *World Economics* (2005), 6(3), 1-14.
- 163) "Profits of Doom?", *New Left Review* (2008), 54, 49-60.
- 164) "The Impact of EU Membership on UK Economic Performance", *The Political Quarterly* (2016), 87, 262-268.

- 165) "Whither Economic Growth?", *Finance and Development* (2017), 54(1), 2-6.
- 166) "A New Industrial Strategy: Making Britain Great Again?", *The Political Quarterly* (2017), 88, 315-319.
- 167) "Industrial Strategy: Policy Like It's 1964", *The Political Quarterly* (2018), 89, 725-727.
- 168) "The Post-War British Productivity Failure", *Erasmus Forum Bulletin* (2018), 1, 82-97.
- 169) "Industrialisation: Why Britain Got There First", *Erasmus Forum Bulletin* (2020), 4, 55-67.
- 170) "EU Membership: a Cost-Benefit Analysis for the UK", *Annales des Mines; Réalités Industrielles* (2021), February, 5-8.

**e) Chapters in Books.**

- 171) "The Eighteenth Century: An Overview", in R. C. Floud and D. N. McCloskey (eds.), *The Economic History of Britain since 1700* vol. 1 (CUP, 1981), 1-16.
- 172) "Economic History", in J. Eatwell, M. Milgate and P. Newman (eds.), *The New Palgrave: A Dictionary of Economic Theory and Doctrine*, vol. 2 (Macmillan, 1987), 37-42.
- 173) "Empty Economic Boxes", in J. Eatwell, M. Milgate and P. Newman (eds.), *The New Palgrave: A Dictionary of Economic Theory and Doctrine*, vol. 2 (Macmillan, 1987), 133-134.
- 174) "The New Economic History and the Industrial Revolution", in P. Mathias and J. Davis (eds.), *The First Industrial Revolutions* (Blackwell, 1989), 25-43.
- 175) "Real Wages, Inequality and Economic Growth in Britain, 1750-1850", in P. Scholliers (ed.), *Real Wages in Historical and Comparative Perspective* (Berg, 1989), 75-95.
- 176) "The British Economy Since 1945: Introduction and Overview", in N. F. R. Crafts and N. W. C. Woodward (eds.), *The British Economy Since 1945* (Clarendon Press, 1991), 1-24.
- 177) "Economic Growth", in N. F. R. Crafts and N. W. C. Woodward (eds.), *The British Economy Since 1945* (Clarendon Press, 1991), 261-290.
- 178) "Introduction" in N. F. R. Crafts, N. H. Dimsdale and S. L. Engerman (eds.), *Essays in Quantitative Economic History* (OUP, 1991), vii-xxi.
- 179) "Economics and History", in D. Greenaway, I. Stewart and M. Bleaney (eds.), *Companion to Contemporary Economic Thought* (Routledge, 1991), 812-829.
- 180) "Britain", in R. Sylla and G. Toniolo (eds.), *Patterns of European Industrialization: Rethinking Gerschenkron's Hypotheses* (Routledge, 1991), 109-152, with S. J. Leybourne and T. C. Mills.

- 181) "British Macroeconomic History, 1870-1939: Overview and Key Issues", in S. N. Broadberry and N. F. R. Crafts (eds.), *Britain in the International Economy* (CUP, 1992), 1-27, with S. N. Broadberry.
- 182) "British Economic Fluctuations, 1851-1913: A Perspective Based on Growth Theory", in S. N. Broadberry and N. F. R. Crafts (eds.), *Britain in the World Economy, 1870-1939* (CUP, 1992), 98-134, with T. C. Mills.
- 183) "Productivity Growth in West Germany and the UK, 1950-1990", in K. Rohe, G. Schmidt and H. Pogge von Strandmann (eds.), *Deutschland-Grossbritannien-Europa* (Universitätsverlag Dr N. Brockmeyer, 1992), 27-53.
- 184) "Was the Thatcher Experiment Worth It?: British Economic Policy in a European Context", in B. van Ark, D. Pilat and E. Szirmai (eds.), *Explaining Economic Growth* (Elsevier-North Holland, 1993), 327-350.
- 185) "Winning Systems? Some Further Evidence on Insiders and Outsiders in British Horse Race Betting", in D. B. Hausch, V. Lo and W. T. Ziemba (eds.), *Efficiency of the Racetrack Betting Market* (Academic Press, 1994), 545-549.
- 186) "The Industrial Revolution", in R. C. Floud and D. N. McCloskey (eds.), *The Economic History of Britain since 1700* (CUP, 1994), 44-59.
- 187) "Human Capital and Productivity in Advanced Societies", in J. James and M. Thomas (eds.), *Capitalism in Context* (Chicago UP, 1994), 183-201.
- 188) "Economic Profile", in P. Allan, J. Benyon and B. McCormick (eds.), *Focus on Britain* (Philip Allan, 1994), 99-103.
- 189) "Industry", in D. Kavanagh and A. Seldon (eds.), *The Major Effect, 1990-4* (Macmillan, 1994), 206-222.
- 190) "'You've Never Had It So Good?': British Economic Policy and Performance, 1945-60", in B. Eichengreen (ed.), *Europe's Postwar Recovery* (CUP, 1995), 246-270.
- 191) "Postwar Growth: An Overview", in N. F. R. Crafts and G. Toniolo (eds.), *Economic Growth in Europe since 1945* (CUP, 1996), 1-37, with G. Toniolo.
- 192) "British Economic Growth Since 1945: Relative Economic Decline...and Renaissance?", in N. F. R. Crafts and G. Toniolo (eds.), *Economic Growth in Europe since 1945* (CUP, 1996), 131-172, with C. Bean.
- 193) "Reflections on the Country Studies", in N. F. R. Crafts and G. Toniolo (eds.), *Economic Growth in Europe since 1945* (CUP, 1996), 576-581, with G. Toniolo.
- 194) "Catch-Up, Convergence and the Sources of Postwar European Growth", in B. van Ark and N. F. R. Crafts (eds.), *Quantitative Aspects of Europe's Postwar Growth* (CUP, 1996),

1-26, with B. van Ark.

- 195) "Europe's Golden Age: An Econometric Evaluation of Changing Trend Rates of Growth", in B. van Ark and N. F. R. Crafts (eds.), *Quantitative Aspects of Europe's Postwar Growth* (CUP, 1996), 415-431, with T. C. Mills.
- 196) "Industrial Revolutions", in A. Kuper and J. Kuper (eds.), *The Social Science Encyclopedia*, 2nd Edition (Routledge, 1996), 403.
- 197) "Britain's Productivity Growth: Comparative Performance and Future Prospects", in P. Gillespie (ed.), *Britain's European Question: the Issues for Ireland* (IEA, Dublin, 1996), 7-21.
- 198) "Macroeconomic Policies in Historical Perspective", in M Mackintosh (ed.), *Economics and Changing Economies* (Chapman and Hall, 1996), 142-184.
- 199) "Economic Growth in the 1970s" in R. Coopey and N. W. C. Woodward (eds.), *The Troubled Economy* (UCL Press, 1996), 81-105.
- 200) "Endogenous Growth: Lessons for and from Economic History" in D. Kreps and K. F. Wallis (eds.), *Advances in Economics and Econometrics: Theory and Applications*, vol. 2 (CUP, 1997), 38-78.
- 201) "Prospects for Growth in Transition Economies", in EBRD, *Transition Report 1997* (EBRD, 1997), 98-112, with C. Ruhl.
- 202) "The British Economy: Missing Out or Catching Up?", in B. Foley (ed.), *European Economies since World War II* (Macmillan, 1998), 1-24.
- 203) "The Great Boom: 1950-73", in M. Schulze (ed.), *Western Europe Since 1945: Economic and Social Change* (Longman, 1999), 42-62.
- 204) "Globalization and Growth in the Twentieth Century", in IMF, *World Economic Outlook: Supporting Studies* (Washington, 2000), 1-51.
- 205) "Historical Perspectives on Development", in G. Meier and J. Stiglitz (eds.), *Frontiers of Development Economics* (OUP, 2001), 301-334.
- 206) "Supply-Side Policy and British Relative Economic Decline", in HM Treasury, *Economic Growth and Government Policy* (London, 2001), 23-30.
- 207) "Economic Growth", in J. Mokyr (ed.), *Oxford Encyclopedia of Economic History* (OUP, 2003), vol. 2, 137-145.
- 208) "The East Asian Escape from Economic Backwardness: Retrospect and Prospect", in P. David and M. Thomas (eds.), *Economic Challenges of the 21st Century in Historical Perspective* (OUP, 2003), 209-230.
- 209) "Macroeconomic Performance and Stabilization", in G. Dawson et al. (eds.), *Economics and Economic Change* (Open University, 2003), 571-607.

- 210) "Prospects for European Economic Growth: an Historical Perspective", in Oesterreichische Nationalbank, *Fostering Economic Growth in Europe* (Vienna, 2003), 69-82.
- 211) "Globalization in History: a Geographical Perspective" in M. Bordo, A. Taylor and J. Williamson (eds.), *Globalization in Historical Perspective* (NBER, 2003), 323-364, with A. J. Venables.
- 212) "Long Run Growth", in R. Floud and P. Johnson (eds.), *The Cambridge Economic History of Britain Since 1700*, vol. 2 (CUP, 2004), 1-24.
- 213) "Precocious British Industrialization: a General Equilibrium Perspective", in L. Prados de la Escocura (ed.), *British Exceptionalism: a Unique Path to the Industrial Revolution* (CUP, 2004), 86-107, with C. K. Harley.
- 214) "Quantifying the Contribution of Technological Change to Economic Growth in Different Eras: a Review of the Evidence", in S. Heikkinen and J van Zanden (eds.), *Exploring Economic Growth* (Aksant Publishers, 2004), 205-226.
- 215) "Welfare Implications of HIV/AIDS" in M. Haacker (ed.), *The Macroeconomics of HIV/AIDS* (IMF, 2004), 182-197, with M. Haacker.
- 216) "High Quality Public Services", in D. Coyle, W. Alexander and B. Ashcroft (eds.), *New Wealth for Old Nations* (Princeton UP, 2005), 189-209.
- 217) "The World Economy in the 1990s: a Long-Run Perspective", in P. Rhode and G. Toniolo (eds.), *Understanding the 1990s: the Long-Run Perspective* (CUP, 2006), 21-42.
- 218) "Living Standards", in N. Crafts, I. Gazeley and A. Newell (eds.), *Work and Pay in Twentieth Century Britain* (OUP, 2007), 11-34.
- 219) "The British Economy in the Twentieth Century", in F. Carnevali and J-M. Strange (eds.), *20th Century Britain: Economic, Social and Cultural Change* (Pearson, 2007), 7-25.
- 220) "Industrial Policy", in A. Seldon (ed.), *Blair's Britain 1994-2007* (CUP, 2007), 273-287.
- 221) "Microeconomic Policy and the Productivity Agenda", in V. Uberoi, A. Coutts, I. McLean and D. Halpern (eds.), *Options for a New Britain* (Palgrave Macmillan, 2009), 16-32.
- 222) "The Celtic Tiger in Historical and International Perspective", in M. Mulreany (ed.), *Economic Development 50 Years On, 1958-2008* (IPA, Dublin, 2009), 64-76.
- 223) "Overview and Policy Implications", in *BIS Economics Papers No. 6* (BIS, 2010), 1-19.
- 224) "Aggregate Growth, 1950-2005", in S. Broadberry and K. O'Rourke (eds.), *Unifying the European Experience: an Economic History of Modern Europe* (CUP, 2010), 296-332, with G. Toniolo.



- 225) "Introduction", in N. Crafts, T. C. Mills and G. E. Wood (eds.), *Explorations in Financial and Monetary History* (Routledge, 2011), 1-9.
- 226) "Openness, Protectionism and Britain's Productivity Performance Over the Long Run", in G. E. Wood, T. C. Mills and N. Crafts (eds.), *Monetary and Banking History: Essays in Honour of Forrest Capie* (Routledge, 2011), 254-286, with S. Broadberry.
- 227) "The Price-Cost Mark-Up in the UK: a Long-Run Perspective", in G.E. Wood, T. C. Mills and N. Crafts (eds.), *Monetary and Banking History: Essays in Honour of Forrest Capie* (Routledge, 2011), 287-300, with T. C. Mills.
- 228) "Improving Productivity Performance is Not Rocket Science", in S. Tilford and P. Whyte (eds.), *Innovation: How Europe Can Take Off* (London: Centre for European Reform, 2011), 25-28.
- 229) "Les Trente Glorieuses: from the Marshall Plan to the Oil Crisis", in D. Stone (ed.), *The Oxford Handbook on Postwar European History* (OUP, 2012), 356-378, with G. Toniolo.
- 230) "Creating Competitive Advantage: Policy Lessons from History", in D. Greenaway (ed.), *The UK in a Global World* (CEPR, 2012), 7-35.
- 231) "The Marshall Plan", in R. Parker and R. Whaples (eds.), *Routledge Handbook of Major Events in Economic History* (Routledge, 2013), 203-213.
- 232) "The Golden Age and the Second Globalization in Italy", in G. Toniolo (ed.), *The Oxford Handbook of the Italian Economy since Unification* (OUP, 2013), 69-107, with M. Magnani.
- 233) "Depression and Recovery in the 1930s: an Overview" in N. Crafts and P. Fearon (eds.), *The Great Depression of the 1930s: Lessons for Today* (OUP, 2013), 1-44, with P. Fearon.
- 234) "The 1930s: Understanding the Lessons", in N. Crafts and P. Fearon (eds.), *The Great Depression of the 1930s: Lessons for Today* (OUP, 2013), 45-73, with P. Fearon.
- 235) "What Difference Does the Crisis Make to Long-Term West European Growth?", in S. Becker (ed.), *Reversals of Fortune?: A Long-Term Perspective on Global Economic Prospects* (CAGE, 2013), 22-52.
- 236) "Twentieth Century Growth", in P. Aghion and S. Durlauf (eds.), *Handbook of Economic Growth*, vol. 2A (Elsevier, 2014), 263-346, with K. H. O'Rourke.
- 237) "Secular Stagnation: US Hypochondria, European Disease?", in C. Teulings and R. Baldwin (eds.), *Secular Stagnation: Facts, Causes, and Cures* (CEPR Press, 2014), 91-97.
- 238) "Economic Growth during the Long Twentieth Century", in R. Floud, J. Humphries and P. Johnson (eds.), *The Cambridge Economic History of Modern Britain*, vol. 2 (CUP, 2014), 26-59.
- 239) "The Threat of Secular Stagnation in Europe: an Historical Perspective", in

- Oesterreichische Nationalbank, *Long-Term Perspectives for Economic Growth* (Vienna, 2015), 128-145.
- 240) “West European Integration since 1950”, in H. Badinger and V. Nitsch (eds.), *Handbook of the Economics of European Integration* (Routledge, 2016), 3-21.
- 241) “Brexit: Lessons from History”, in R. Baldwin (ed.), *Brexit Beckons: Thinking Ahead by Leading Economists* (CEPR Press, 2016), 83-89.
- 242) “Is Secular Stagnation the Future for Europe?”, in P. Ashkenazy, L. Bellmann, A. Bryson and E. Moreno-Galbis (eds.), *Productivity Puzzles Across Europe* (OUP, 2016), 49-67.
- 243) “The Industrial Revolution Revisited”, in C. Wrigley (ed.), *British Industrialisation Revisited: Cromford, the Derwent Valley and Beyond* (Arkwright Society, 2017), 12-28.
- 244) “UK Economic Growth Performance in a European Context: Has EU Membership Made Much Difference?”, in N. Campos and F. Coricelli (eds.), *The Economics of UK-EU Relations: from the Treaty of Rome to the Vote for Brexit* (Palgrave Macmillan, 2017), 9-45.
- 245) “The Economic Benefits from European Integration: Lessons from the UK’s EU Sojourn”, in N. Campos and J-E Sturm (eds.), *Bretton Woods, Brussels and Beyond: Redesigning the Institutions of Europe* (CEPR Press, 2018), 29-36.
- 246) “Walking Wounded: the British Economy in the Aftermath of World War I”, in S. Broadberry and M. Harrison (eds.), *The Economics of the Great War: a Centennial Perspective* (CEPR Press, 2018), 119-125.
- 247) “Industrial Policy and Productivity”, in V. E. Troeger and D. Edgerton-Warburton (eds.), *Which Way Now? Economic Policy after a Decade of Upheaval* (SMF, 2019), 125-134.
- 248) “The Big Picture”, in V. E. Troeger and D. Edgerton-Warburton (eds.), *Which Way Now? Economic Policy after a Decade of Upheaval* (SMF, 2019), 162-167.
- 249) “The Golden Age of European Economic Growth: a Cliometric Perspective”, in C. Diebolt and M. Hauptert (eds.), *Handbook of Cliometrics*, vol. 2 (Springer, 2019), 529-561.
- 250) “Der relative Niedergang der britischen Wirtschaft”, in U. Pfister, J-O. Hesse, M. Spoerer and N. Wolf (eds.), *Deutschland 1871* (Mohr Siebeck, 2021), 431-451.

#### **f) Occasional Papers**

- 251) *Can De-Industrialization Seriously Damage Your Wealth?* (London: IEA, 1993). Pp. 92.
- 252) *Britain's Relative Economic Decline 1870-1995* (London: Social Market Foundation, 1997). Pp. 68.

- 253) *The Conservative Governments' Economic Record: An End of Term Report* (London: IEA, 1998). Pp. 45.
- 254) *Britain's Relative Economic Performance, 1870-1999* (London: IEA, 2002). Pp. 116.
- 255) *High Quality Public Services for Scotland* (Glasgow: Fraser of Allander Institute, 2004). Pp. 64.
- 256) *The Economic Impact of ICT: a Perspective from the Age of Steam* (Lancaster University, 2005). Pp. 14.
- 257) *Interpreting Ireland's Economic Growth* (background paper for UNIDO, *Industrial Development Report*, 2005). Pp. 20.
- 258) *Productivity at the Periphery: What Can Wales Do to Compete?* (Cardiff University, 2005). Pp. 9.
- 259) *The Historical Significance of Transport for Economic Growth and Productivity*, (background paper for Eddington Report, 2005), with T. Leunig. Pp. 65.
- 260) *Spatial Disparities in 19<sup>th</sup> Century British Industrialization* (background paper for World Bank, *World Development Report 2009*). Pp. 17.
- 261) *European Growth in the Age of Regional Economic Integration: Convergence Big Time?* (background paper for World Bank, *World Development Report 2009*). Pp. 23.
- 262) *Delivering Growth while Reducing Deficits: Lessons from the 1930s* (Centre Forum, 2011). Pp. 41.
- 263) *Saving the Eurozone: Is a Real Marshall Plan the Answer?* (CAGE and Chatham House, 2012). Pp. 11.
- 264) *Returning to Growth after the Crisis: Lessons from Britain's Economic History* (Cardiff University, 2012). Pp. 47.
- 265) *Saving the Euro: A Pyrrhic Victory?* (CAGE and Chatham House, 2013). Pp. 14.
- 266) *Industrial Policy for the Medium to Long-Term* (evidence paper for GO-Science, Foresight Future of Manufacturing Project, 2013), with A. Hughes. Pp. 47.
- 267) *Is Secular Stagnation the Future of the Eurozone?* (CAGE-Warwick in Brussels, 2015), Pp. 13.
- 268) *The Economic Impact of ICT: an Historical Perspective* (background paper for World Bank, *World Development Report 2016*).

### **Unpublished Papers**

“The Welfare State and Inequality: Were the 1940s’ UK Reforms a Success?” (April 2020).

“The 15-Hour week: Keynes’s Prediction Revisited” (August 2021).

### **Invited Public Lectures**

"Productivity Growth in Britain over the Long Run", Tenth Roll Lecture, University of Southampton, 1991.

"Adjusting from War to Peace in 1940s Britain", Dublin Economic Workshop Lecture, Seventh Irish Economic Association Conference, Galway, 1993.

"The Golden Age of Economic Growth in Western Europe, 1950-73", Tawney Memorial Lecture, Economic History Society Conference, Nottingham, 1994.

"Endogenous Growth: Lessons for and from Economic History", Seventh World Congress of the Econometrics Society, Tokyo, 1995.

"Why Was Productivity Slow to Grow during the Industrial Revolution?", British Association for the Advancement of Science, Newcastle, 1995.

"Economic Growth and Full Employment: What are the Lessons of Economic History?", Finnish Historical Society/SITRA, Helsinki, 1996.

"Comparisons of Living Standards", World Congress of Cliometrics, Munich, 1997.

"The Conservative Governments' Economic Record: An End of Term Report", The Wincott Lecture, London, 1997.

"Economic Growth in Asia and Europe: Comparisons, Contrasts and Some Lessons", Annual Lecture, Centre for International Business Studies, South Bank University, 1998.

"The New Technology: A Triumph of Hope Over Experience?", Merrill Lynch/Imperial College Lecture, London, 1999.

"Globalization and Growth in the 20th Century", Fundacion BBVA, Madrid, 2001.

"Globalization and Economic Growth: an Historical Perspective", British Academy Centenary Conference, 2002.

"Is Economic Growth Good for Us?", 2002 Royal Economic Society Public Lecture, Glasgow, Manchester and London, 2002.

"Globalization and Growth: an Historical Perspective", Tore Browaldh Lecture, University of Gothenburg, 2003.

"Fifty Years of Economic Growth in Western Europe: No Longer Catching Up but Falling Behind?", Abramovitz Lecture on Economic Growth, Stanford University, 2003.

"High Quality Public Services for Scotland", the Allander Series, Glasgow, 2004.

"The Economic Impact of ICT: a Perspective from the Age of Steam", Esmee Fairbairn

- Lecture, University of Lancaster, 2004.
- "Productivity at the Periphery: What Can Wales Do to Compete?" Sixth Annual Julian Hodge Institute of Applied Macroeconomics Lecture, Cardiff, 2005.
- "Cornucopia? What Has Technological Change Really Meant for British Living Standards?", Dixon Lecture, University of York, 2005.
- "What Are the Implications of the 'Death of Distance' for European Workers?", British Academy/ESRC Conference, *Europe: Addressing the Socio-Economic Agenda*, London, 2005.
- "The First Industrial Revolution: Still a Puzzle after All These Years", University of Glasgow Department of Economic & Social History Golden Jubilee Celebrations, 2007
- "New Economic History and New Economic Geography", Seventh European Historical Economics Conference, Lund, 2007.
- "Growth Accounting: an Historical Perspective", EU KLEMS Final Conference, Groningen, 2008.
- "The Changing Place of Britain in the World Economy: a Long-Term Perspective", Leverhulme Globalisation Lecture, University of Nottingham, 2008.
- "British Relative Economic Decline Revisited", Economic History Society Conference, Warwick, 2009.
- "Cliometrics and Technological Change", Thirteenth Annual Conference of the European Society for the History of Economic Thought, Thessaloniki, 2009.
- "The Contribution of New Technology to Economic Growth: Lessons from Economic History", Figuerola Lecture, Madrid, 2009.
- "From the 18th to the 21st Centuries: a Perspective on 250 Years of British Economic Growth", Ellen McArthur Lectures, University of Cambridge, 2009.
- "What Were the Real Growth Penalties of Britain's Early Start?", Keynote Lecture, Maddison Memorial Conference, Amsterdam, 2010.
- "Returning to Growth: Lessons from Britain's Economic History", Thirteenth Annual Julian Hodge Institute of Applied Macroeconomics Lecture, Cardiff, 2012.
- "Returning to Growth: Policy Lessons from History", Royal Economic Society Policy Lecture, London, 2012.
- "Economic Growth Projections to 2030: What Difference Does the Crisis Make?", Asset International Conference, Tilburg, 2012.
- "Divergence Big Time: Geography Matters", Maddison Lecture, University of Groningen, 2013.

“Catching Up and Falling Behind: Lessons from 20<sup>th</sup>-Century Economic Growth”, Third Maddison Development Lecture, OECD, Paris, 2014.

“Diversity and Economic Development: Geography Matters”, World Economic History Congress, Kyoto, 2015.

“Economic Growth in the 20<sup>th</sup> Century: Lessons from Advanced Economies”, Glasgow Economic Forum, 2017.

“Is Slow Economic Growth the ‘New Normal for Europe?’”, Robert A. Mundell Distinguished Address, International Atlantic Economic Society, Berlin, 2017.

“Then and Now: What a Difference 25 Years Makes!”, GGDC 25<sup>th</sup> Anniversary Conference, Groningen, 2017.

“European Integration: Lessons from Britain’s EU Sojourn”, The Future of Europe. KOF Swiss Economic Institute, Zurich, 2018.

“The Future Growth Path for Europe and Ireland”, Irish Fiscal Advisory Council Path for the Public Finances Conference, Dublin, 2019.

### **Recent Conference Presentations (last 5 years)**

Banque de France, *Secular Stagnation and Growth Measurement*, Paris, 2017.

Hoover Institution, *Restoring Prosperity: Contemporary and Historical Perspectives*, Stanford, 2017.

CAGE/NIESR, *UK after Brexit*, London, 2017.

Government Economic Service Annual Training Conference, London, 2017.

Royal Economic Society Annual Conference, Sussex, 2018.

Bank of England Chief Economists’ Workshop, London, 2018.

Exploring Economics, *Britain in 2030*, London, 2019.

European Economic Association Annual Conference, Manchester, 2019.

Bank of England, CEPR, Imperial College, *The Impact of Machine Learning and AI on the UK Economy*, Virtual, 2020.

The Productivity Institute Workshop, Virtual, 2020.

NIESR, Macroeconomics and Productivity Workshop, Virtual, 2020.

### **Teaching**

***a) Lecture Courses for Undergraduates.***

Debating the Industrial Revolution; The British Economy in the Twentieth Century; European Economic History, 1815-1913; International Economic System Since 1918; The European Economies in a Changing World; Quantitative Methods for Economic Historians; Applied Economics of the UK Economy; Introductory Macroeconomics; The World Economy: History and Theory; Making of Economic Policy.

***b) Lecture Courses for Graduate Students***

Historical Analysis of Economic Change; International Economic Institutions Since World War I; Modern Economic History; European Economic History; Topics in Quantitative Economic History.

***c) Adult Education.***

Tutor, Oxford University Business Summer School, 1979, 1984-8.

Senior Tutor, Oxford University Business Summer School, 1980-2.

Occasional lectures at the Civil Service College, 1978-2001.

Associate Fellow and occasional presentations to executive courses, Templeton College, Oxford, 1979-2003.

Occasional lectures at the London Business School, 1993-2005.

Occasional lectures for Oxford University Business Economics Programme, 1997-2007.

Microeconomics Level 2 Module 2 for HM Treasury Staff Development Programme, 1997-2005.

Lectures for TRIUM Global EMBA, 2003-8.

**Administration**

Domestic Bursar, University College, Oxford, 1978-82 and 1986.

Chair, Department of Economics, University of Warwick, 1991-4.

Member, Promotions Committee, University of Warwick, 1990-4.

Member, Research Committee, University of Warwick, 1994-5.

Member, Fellowship Committee, University of Warwick, 1994-5.

Convenor, Department of Economic History, LSE, 1996-9.

Member, Estates Strategy Committee, LSE, 2002-5.

Chair, Section S2, British Academy, 2006-9.

Associate Chair, Department of Economics, University of Warwick, 2006-8.

Member, Vice-Chancellor's Advisory Group on Promotions, University of Warwick, 2011-14.

Chair of Council of Management, NIESR, 2020-.

### **Other Professional Activities**

Editor, *Economic History Review*, 1999-2004.

Research Fellow, Centre for Economic Policy Research, 1985-.

Programme Director, Human Resources since 1900, Centre for Economic Policy Research, 1988-91.

Visiting Royal Economic Society Lecturer, University of Lancaster, 1993.

Visiting Lecturer, NAKE Course for Dutch Economics Ph. D Students, Groningen, 1997.

Member, Editorial Board, *Explorations in Economic History*, 1979-86.

Member, Editorial Board, *Bulletin of Economic Research*, 1986-88; Associate Editor, 1989-2000.

Member, Editorial Board, *Economica*, 1996-2008.

Member, Editorial Board, *European Review of Economic History*, 1997-.

Member, Editorial Board, *Cliometrica*, 2006-

Member, Editorial Board, *Economic History Review*, 2011-20.

Member, Panel for *Economic Policy*, 1990-1.

Member, Council of Royal Economic Society, 1991-3 and 2009-14.

Member, Executive Committee, Royal Economic Society, 2009-14.

Member, Council of Economic History Society, 1992-8.

Member, Academic Advisory Panel, Institute of Economic Affairs, 1993-

Member, Commissioning Committee, ESRC Global Economic Institutions Initiative, 1993.

Member, Steering Committee, ESRC Global Economic Institutions Initiative, 1994-9.

Member, Standing Advisory Committee on Trunk Road Assessment, Department of



Transport, 1996-9.

Member, Academic Friends of the Eddington Report, HM Treasury/Department for Transport, 2005-7.

Member, Scottish Executive Economic Consultants Group, 2006-7.

Member, ESRC UK Economics Bench-Marking Review Steering Group, 2007-8.

Member, ESRC Open Research Area Commissioning Panel, 2010.

Member, Tanner Lecture Panel, University of Oxford, 2012.

Member, Expert Panel, HM Treasury Analysis Review, 2012.

Member, 2014 REF Panel for Economics and Econometrics.

Member, British Academy Public Policy Committee, 2015-8.

Member, CAGE Advisory Board, 2020-.

Chair, Steering and Impact Committee, The Productivity Institute, 2020-.

Consultant on Europe 2000 Project for DG XVI, European Commission, 1991.

Consultant on *1997 Transition Report*, European Bank for Reconstruction and Development.

Consultant on *World Economic Outlook*, 1998, 2000 and 2001, International Monetary Fund.

Consultant on *2009 World Development Report*, World Bank.

Consultant to HM Treasury on productivity agenda, 2001-2.

Consultant to Office of Fair Trading on empirical indicators for market investigations, 2004 and on competition and productivity performance, 2006.

Consultant to HM Treasury on transport and economic growth (Eddington Report), 2005.

Consultant to Department of Business, Innovation and Skills on learning from Britain's successful sectors, 2010.

Lead Expert, Foresight Future of Manufacturing Project, Government Office for Science, 2012-13.

Visiting Scholar, International Monetary Fund European Department, 2014.

Consultancy for BP Amoco, European Commission DG III, National Westminster Bank, Ofwat, Regional Railways North West, Shadow Strategic Rail Authority, Shell, Unilever.

Expert Witness in "The Thatcher Years: Miracle or Mirage?", London Weekend Television,

April, 1989.

Participant, Keynote Controversies, "The Battle for Affluence", Battle of Ideas, 2006.

Orator, presentation of honorary degree to Peter Mathias, University of Warwick, 1995.

Orator, presentation of honorary degree to Robert Skidelsky, University of Warwick, 2011.

Regular Contributor to *Management Today*, 1987-90.

**Book Reviews** for Agricultural History Review, Albion, Australian Economic History Review, Business History, Economic Affairs, Economic History Review, Economic Journal, Economica, Education Economics, EH.Net, English Historical Review, Finance and Development, History, History Today, International History Review, International Journal of Industrial Organization, Journal of Economic History, Journal of Economic Inequality, Journal of Economic Literature, Journal of Historical Geography, Journal of Interdisciplinary History, Management Today, Population Studies, Regional Studies, Scandinavian Economic History Review, Social History, The Business Economist, The Guardian, Times Higher Educational Supplement, Times Literary Supplement, World Economy.

**Referee** for Advances in Agricultural Economic History, Agricultural History Review, American Economic Journal: Macroeconomics, British Politics, Bulletin of Economic Research, Business History Review, Cambridge Journal of Economics, Cliometrica, Comparative Economic Studies, Continuity and Change, Economic Change and Restructuring, Economic Development and Cultural Change, Economic Geography, Economic History Review, Economic Journal, Economica, Economics of Innovation and New Technology, Economics of Transition, English Historical Review, European Economic Review, European Journal of the History of Economic Thought, European Review of Economic History, Explorations in Economic History, Fiscal Studies, German Economic Review, Historical Methods, History of Political Economy, Industrial and Corporate Change, International Productivity Monitor, Journal of Common Market Studies, Journal of Development Studies, Journal of Economic History, Journal of Economic Literature, Journal of Economic Surveys, Journal of Political Economy, Journal of Population Economics, Journal of Public Economics, Journal of the History of Economic Thought, Manchester School, National Institute Economic Review, Oxford Bulletin of Economics and Statistics, Oxford Economic Papers, Oxford Review of Economic Policy, Population and Development Review, Population Studies, Regional Studies, Research in Economic History, Review of Economic Studies, Review of Economics and Statistics, Review of Income and Wealth, Revista de Historia Economica, Scandinavian Economic History Review, Scottish Journal of Political Economy, Structural Change and Economic Dynamics, World Bank Economic Review, World Development, World Economy.