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***Nationality*** British

***Foreign languages*** French: written and oral skills good; Italian: written and oral skills good.

***Present Position*** Welsh Assembly Government Visiting Research Professor,  
Swansea University, November 2008-

***Education*** Baines Grammar School, Poulton-le Fylde, Lancashire.  
Magdalen College, Oxford University (BA (PPE) 1959).

***Employment History*** Assistant Research Officer, Oxford University, Institute of  
Economics and Statistics (1959-1963).

Lecturer and Senior Lecturer, Adelaide and Flinders  
Universities, South Australia (1964-1967).

Temporary Economic Adviser, National Board for Prices and  
Incomes (1967).

Senior Research Officer, Review Editor, National Institute of Economic  
and Social Research (1967-1972).

Professor of Applied Economics, Swansea University College  
(1972-1976).

Economic Adviser to the Secretary of State for Trade (part-time;  
1975).

Houblon-Norman Fellow, Bank of England, and Nuffield Foundation Social Science Fellow (1989-1990).

Professor of Economics, University of Manchester (1976-1999); Honorary Research Professor, 1999 – present.

Professor of Economics, European University Institute Florence (initially on leave from Manchester), 1995 – 2003; part-time and external, 2004; Professorial Fellow, 2004 - present

Professorial Lecturer, Johns Hopkins University, SAIS Bologna Center, 2003 - 2004

Senior George Fellow, Bank of England, January – July 2005

Professor of Economics and Director, Manchester Regional Economics Centre, Institute for Political and Economic Governance, Manchester University, November 2005 –November 2008.

Welsh Assembly Government Visiting Research Professor, Swansea University, November 2008

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***Distinctions:***

Fellow of the British Academy; Research fellow of the Centre for Economic Policy Research (CEPR); Affiliate, Spatial Economics Research Centre, London.

***Publications: Journal Articles***

“Liquidity and the Attack on the Quantity Theory” *Bulletin of the Oxford University Institute of Economics and Statistics*, November 1961, reprinted in (ed.) H.G. Johnson et al, *Readings in British Monetary Economics*, Oxford University Press, 1972.

“Monetary Policy and Financial Intermediaries: the Hire Purchase Finance Houses”, *Bulletin of the Oxford University Institute of Economics and Statistics*, February 1963.

“On Incomes Policy”, *District Bank Review*, March 1968 (with F.T. Blackaby).

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“British Monetary Policy: the Indicator Problem”, *Banker's Magazine*, September and October 1972.

“The Demand for Money: Stable or Unstable?”, *The Banker*, March 1974 (with M.K. Lewis).

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“The Demand for Money in the UK: 1963-1973”, *Manchester School*, September 1976 (with M.K. Lewis).

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“Employment Taxes and Subsidies”, (comment on a paper by Eisner), *Revue Economique*, January 1980.

“Monetary Targets and the Exchange Rate: a Case for Conditional Targets”, *Oxford Economic Papers*, July 1981, (with D.A. Currie) reprinted in (eds.) W.A. Eltis and P.J.N. Sinclair, *The Money Supply and the Exchange Rate*, (Oxford University Press, 1981).

“From Monetary to Exchange Rate Targets”, *Quarterly Review of the Banca Nazionale del Lavoro*, September 1981.

“Mrs. Thatcher's Monetarist Experiment”, *UK Economic Prospect*, Summer 1982.

“Measures of Economic Policy 1979-1982”, *National Institute Economic Review*, May, 1984 (with R. Bladen-Hovell, E. Karakitsos, and B. Dwolatsky).

“How unstable is the Demand for Money in the UK?”, *Economica*, November 1984 (with M.K. Lewis).

“The British Economy and the International Scene, 1984”, *Midland Bank Review*, Autumn, 1984 (with M.V. Posner).

“On Joining the EMS”, *Midland Bank Review*, Winter 1986 (with M.H. Miller).

“The EMS: an Evaluation”, *Journal of Policy Modelling*, April 1987.

“The UK's Monetarist Experiment, 1979-1984”, *International Review of Applied Economics*, 1, No. 1, 1987 (with R. Bladen-Hovell).

“Exchange Controls and the EMS”, *European Economy*, May 1988.

“The 1988 Budget and the MTFS”, *Fiscal Studies*, May 1988.

“Abolishing Exchange Control: the UK Experience”, *Greek Economic Review*, June 1989 (with M.P. Taylor), reprinted in (eds.) A.S. Courakis and M.P. Taylor, *Private Behaviour and Government Policy in Interdependent Economies*, Oxford University Press, 1991.

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“Wages and Prices in Europe: a Test of the German Leadership Hypothesis”, *Weltwirtschaftliches Archiv*, March 1990 (with D.M. Nachane).

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“Il sistema monetario europeo come struttura anti-inflazionistica”, *Rivista di Politica Economica*, December 1990.

“Imperfect Asset Substitution in a Two-Country Model”, *Economic Modelling*, January 1991 (with S. Gazioglu).

“U.K. Macroeconomic Policy: Coping with the ERM”, *The Economic Review*, May 1991.

“One Market, One Money: an Evaluation of the Potential Benefits and Costs of forming an Economic and Monetary Union”, *Open Economies Review*, Oct. 1991 (review article).

“Monetary Policy and the Exchange Rate”, *Oxford Review of Economic Policy*, Autumn 1991.

“Social Democracy in Hard Times”, *20th Century British History* Vol. 3 No. 1, 1992 (with D. Cobham and M. Wickham-Jones).

“The Maastricht Road to Monetary Union”, *Journal of Common Market Studies* Vol. 3 No. 3, September 1992.

“Modelling the World Economy: The European Perspective”, *Journal of Forecasting* Vol. 11, pp. 333-340, 1992 (with S. Holly).

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“Misalignment, Debt Accumulation and Fundamental Equilibrium Exchange Rates”, *National Institute Economic Review*, August 1995, pp. 73-83 (with M.P. Taylor).

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“Alternative transitions to EMU”, *Economic Journal*, 1996, 106, 437, July pp. 1005-1015.

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“The European Business Cycle” (with Hans-Martin Krolzig and Juan Toro) , *Oxford Economic Papers*, 56, January 2004, 1-44.

“Dating Business Cycles: a Methodological Contribution with an application to the Euro Area” (with Massimiliano Marcellino and Tommaso Proietti), *Oxford Bulletin of Economics and Statistics*, 66, September 2004, 537-566.

“Issues in Money Demand” (with Andreas Beyer), *Journal of Common Market Studies* (special issue, EMU: Current state and Future Prospects), 42, November 2004, 717-36.

“Factor forecasts for the UK “(with Anindya Banerjee and Massimiliano Marcellino), *Journal of Forecasting*, 24, 270-298, 2005

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“The Transmission Mechanism in a Changing World” (with Ana Galvao and Massimiliano Marcellino), *Journal of Applied Econometrics*, 2007, 22, Jan/February, 39-61

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“Globalization and Business Cycle Transmission” (with Toshihiro Okubo), under ‘review and resubmission’ at the *North American Journal of Economics and Finance.*, November 2008.

### **Books (Authored)**

*Foundations of British Monetary Policy*, Blackwells, Oxford, 1964.

*Monetary Control in the United Kingdom*, Philip Allan, 1981 (with M.K. Lewis).

*Macroeconomics*, Oxford University Press, 1984.

*International Economic Policy Coordination*, Routledge and Kegan Paul, for RIIA, 1986 (with S. Ostry).

*Money in Britain*, Philip Allan, 1991 (with M.K. Lewis).

**Books (Edited)**

*Readings in British Monetary Economics*, OUP, 1972 (with H.G. Johnson and others).

*Proceedings of the Association of University Teachers in Economics*, 1975, 1976, 1977 (various titles), Cambridge University Press, Blackwells, Croom Helm (with A.R. Nobay).

*Essays in Fiscal and Monetary Policy*, Oxford University Press, 1982 (with M.H. Miller).

*Demand Management, Supply Constraints and Inflation*, Manchester University Press, 1982 (with C.J. Green and others).

*Prest and Coppock's The UK Economy*, Weidenfeld and Nicolson, 1986, 1989, 1992, 11th, 12th and 13th editions.

*Labour's Economic Record 1974-1979*, Manchester University Press, 1991 (with D. Cobham).

*The Economics of the European Union*, Oxford University Press, 1994 (with N. Lee); 1997 (second edition); (with F. Nixson, third edition, 2001; fourth edition, 2007)

*The UK Economy*, Oxford University Press, 1996, 14th edition (Successor to Prest and Coppock's Manual of Applied Economics).

*The Euro: A challenge and opportunity for financial markets*, Routledge, London and New York, 2000 (with A. Weber and E. Hennessy).

*The Central and Eastern European Countries and the European Union*, Cambridge University Press, Cambridge, 2006 (with A. Banerjee and M. Marcellino).

**Contributions to edited collections**

“Short-term forecasting at N.I.E.S.R.”, in (eds.) D. Heathfield and D. Hilton, *The Econometric Study of the United Kingdom*, Macmillan, 1970.

“Fiscal Policy in Post-War Australia”, in (ed.) N. Runcie, *Readings in Australian Monetary and Fiscal Policy*, London University Press, 1971 (with R.H. Wallace).

“Some Aspects of the Present Inflation and the National Institute Model” in (eds.) H.G. Johnson and A.R. Nobay, *The Current Inflation*, Macmillan, 1971.

“Fiscal Policy for Stabilisation”, in (ed.) W. Beckerman, *The Economic Record of the Labour Government*, Duckworth, 1972.

“Analysis of the Determination of the Stock of Money” (comment on Goodhart's paper), in (eds.) M.J. Parkin and A.R. Nobay, *Essays in Modern Economics*, March 1973.

“British Monetary Policy in the 1970s in the Light of Recent Developments”, in (eds.) H.G. Johnson and A.R. Nobay, *Issues in Modern Economics*, Oxford University Press, 1974.

“Comment” on paper by N. Wolfe, in *Current Economic Problems*, Proceedings of the AUTE Conference, 1974, Cambridge University Press, 1975.

“The Effects of Building Society Behaviour on Housing Investment 1960-1971”, in Proceedings of the AUTE Conference, *Contemporary Issues in Economics*, Manchester University Press, 1975, (with J.D. Whitley and E. Kiernan).

“Comment” on papers by Garganas, Renton and Duffy in *Proceedings of SSRC 2nd Econometric Conference*, 1975.

“Monetary policy”, chapter 4 in (ed.) F.T. Blackaby, *British Economic Policy 1960-1974*, Cambridge University Press, 1978.

“Fiscal Policy and Crowding out”, in (ed.) M. Posner, Demand Management, *Economic Policy Papers I*, Heinemann for the National Institute of Economic and Social Research, 1978.

“Inflation, Real Wages and the Terms of Trade”, in (ed.) J.K. Bowers, *Inflation, Development and Integration, Essays in Honour of A.J. Brown*, Leeds University Press, 1979 (with M.H. Miller).

“Recent Developments in the Theory of Fiscal Policy”, in (eds.) S. Cook and P. Jackson, *Current Issues in Fiscal Policy*, Martin Robertson, 1979.

“Comment” on a paper by A. Graham, in (eds.) D. Currie and W. Peters, *Contemporary Economic Analysis*, Vol. 2, Croom Helm, 1980.

“Incomes Policies: Some Rationales” in (eds.) J.L. Fallick and R.E. Elliott, *Incomes Policies, Inflation and Relative Pay*, George Allen and Unwin, 1981.

“Is there a Wage Equation?” in (ed.) A.S. Courakis, *Inflation, Depression and Economic Policy in the West*, Mansell, 1981.

“Recent Developments in the Theory of Demand Management” in (eds.) M.J. Artis et al., *Demand Management, Supply Constraints and Inflation*, Manchester University Press, 1982.

“Using the Treasury Model to measure the Impact of Fiscal Policy”, in (eds.) M.J. Artis et al., *op. cit.*, 1982 (with C.J. Green).

“Wage Inflation: a Survey” in (eds.) M.J. Artis et al., *op. cit.*, 1982 (with D. Leslie and G.W. Smith).

“Comment on Allen”, in (eds.) M.T. Sumner and G. Zis, *European Monetary Union*, Macmillan, 1982.

“The Capital Constraint”, in (ed.) S. Frowen, *Controlling Industrial Economies*, Macmillan, 1983.

“Monetary and Exchange Rate Targets in an Optimal Control Setting” in (ed.) J.S. Bhandari, *Exchange Rate Management Under Uncertainty*, MIT Press, 1985 (with E. Karakitsos).

“Inflation in the United Kingdom”, in (eds.) V. Argy and J. Neville, *Inflation and Unemployment*, Allen and Unwin, 1985 (with M.K. Lewis).

“Deficit Finance” in (eds.) J. Eatwell, P. Newman and M. Milgate, *New Palgrave Dictionary of Economics*, Macmillan, 1986.

“Income-Expenditure Analysis” in (eds.) J. Eatwell et al., *op.cit.*, 1986.

“Deficit Financing: Keynes, the Keynesians and the New Approach, with Special Reference to the UK”, in (eds.) M.J. Boskin, J.S. Flemming, and S. Gorini, *Private Saving and Public Debt.*, Blackwell, 1987.

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“External Aspects of the EMS”, in (eds.) D. Fair and C. de Boissieu, *International Monetary and Financial Integration - The European Dimension*, Nijhoff, 1987.

“The EMS in the Face of New Challenges”, in (ed.) P. Arestis, *Contemporary Issues in Money and Banking*, Macmillan, London, 1988.

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“Wage Inflation”, in (ed.) D. Greenaway, *Current Issues in Macroeconomics*, Macmillan, 1989.

“Exchange Rate Target Zones, the Louvre Accord and Policy Coordination”, in (eds.) D.F. Fair and C. de Boissieu, *The International Adjustment Process*, Nijhoff, 1989.

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“The Call of a Common Currency” in (ed.) Lord Kilmarnock, *Europe without Currency Barriers*, Social Market Foundation, 1989.

“Integration into the EMS: the UK debate”, in (eds.) D. Cobham, R. Harrington and G. Zis, *Money, Trade and Payments*, Manchester University Press, 1989

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“Monetary Policy” in (eds.) S. Bulmer, S. George and A. Scott, *The United Kingdom and EC Membership Evaluated*, Pinter Publishers, London, 1992.

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“The Revision of the Stability and Growth Pact: the Medium –Term Objective” (with Luca Onorante) in (eds.) L.Talani and B.Casey: *Between Growth and Stability: The Demise and Reform of the European Union’s Stability and Growth Pact*. Cheltenham. Edward Elgar, 2008.

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### ***Other publications***

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“Strengthening the Evidence Base for the North West” (contrib.), a research report for the NWDA, 2006.

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### ***Discussion papers***

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On Identifying the core of EMU: an exploration of some empirical criteria. (with W. Zhang), *EUI Working Papers*, RSC No. 97/52; also *CEPR Discussion Papers*, No. 1689.

The Stability Pact: Safeguarding the Credibility of the European Central Bank (with B. Winkler), *EUI Working Papers*, RSC No. 97/54; also *CEPR Discussion Papers*, No. 1688.

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Inflation Targeting and the European Central Bank (with Z. Kontolemis), *EUI Working Papers*, Eco No. 98/4.

Trade and the Number of Optimum Currency Areas in the World (with M. Kohler and J. Melitz), *EUI Working Papers*, Eco No. 98/16; also *CEPR Discussion Papers*, No. 1926.

Core and Periphery in EMU: a Cluster Analysis (with W. Zhang), *EUI Working Papers*, RSC No. 98/37.

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Fiscal Forecasting: the track record of the IMF, OECD and EC (with M. Marcellino), *CEPR Discussion Papers*, No. 2206, 1999; and *EUI Working Papers*, Eco No. 99/22

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“Close to Balance or in Surplus” - A Policy Maker’s Guide to the Implementation of the Stability and Growth Pact (with M. Buti), *EUI Working Papers*, RSC N° 2000/28; *CEPR Discussion Papers 2515*, May 2000

The Exchange Rate – A Shock-Absorber or Source of Shocks? A study of four open economies (with M. Ehrmann), *EUI Working Papers*, RSC No. 2000/38; *CEPR Discussion Papers*, 2550, September 2000.

The UK and the EMU, *EUI Working Papers*, RSC No. 2000/67.

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The International Business Cycle in a Changing World: Volatility and the Propagation of Shocks in the G-7 (with Denise Osborn and Pedro Perez), *CEPR Discussion Papers*, 4652, CEPR/EABCN No 10/2004.

“Characterising the Business Cycle for Accession Countries” (with M. Marcellino and T. Proietti), *CEPR Discussion Papers*, No 4457, July, 2004.

Financial Globalization, International Business Cycles and Consumption Risk-Sharing (with Mathias Hoffmann) *CEPR Discussion Papers*, No 4697, October 2004.

What do we now know about currency unions?, *CEPR Discussion Papers*, No. 5677, May 2006.

The Economic Importance of Fiscal Rules (with Luca Onorante), *CEPR Discussion Papers*, No 5684, May 2006.

The Home Bias and Capital Income Flows between Countries and Regions (with Mathias Hoffmann), *CEPR Discussion Papers*, No. 5691, May 2006.

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The *Intranational Business Cycle: Evidence from Japan* (with Toshihiro Okubo), CEPR Discussion Papers, No. 6686. February 2008.

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The UK *Intranational Trade Cycle* (with Toshihiro Okubo), CEPR Discussion Papers, No. 7152, February 2009.

### ***Some unpublished papers***

Submission to the Committee on the Functioning of Financial Institutions (Wilson Committee), 1977 (with P. Ashurst, C.J. Green, M.H. Miller and I. Walker).

“Lending Requests”, 1974 (with P. Meadows).

Submission to the Committee on Policy Optimization (Ball Committee), 1977 (with M.H. Miller).

“Price Expectations and Wage Inflation in Six Western European Countries”, *Manchester University Discussion Paper No. 42*, 1984 (with P. Ormerod and A. Murfin).

“The Effect of Specification Change in the Treasury Model”, 1984 (with R. Bladen-Hovell and C.J. Green).

“Asymmetries in the Inflation Response to Shocks among Western European Economies”, 1986 (with C. Farnelo and P. Ormerod).

“Converging on the German Standard - Wage Inflation in EMS Member Countries”, 1987 (with P. Ormerod).

“Instability and the Velocity of Money: A New Approach Based on the Evolutionary Spectrum”, *University of Manchester Discussion Paper No. 84*, 1990 (with R. Bladen-Hovell and D. Nachane), also *CEPR Discussion Paper No. 735*. [F]

“Delors and the Hard ECU: Transitions to EMU”, 1990.

“Has the EMS a Future?”, University of Nottingham Department of Economics *Discussion Paper No. 93/7*, 1993 (with M.K. Lewis).

“What are medium-term budgetary positions of close to balance or in surplus?” (1999), mimeo, (with M. Buti and H. Ongena)

“What holds cycles together?” (with P. Claeys), latest version, February 2008.

### ***Papers in preparation or under review:***

#### *In preparation:*

1. (with C. Dreger and K. Kholodilin, DIW, Berlin) Common and Spatial Drivers in Regional Business Cycles. In final draft form, planned for submission to *Economics Letters*.

2. (with Ernest Miguelez and Rosina Moreno), University of Barcelona) Assessing agglomeration economies in a spatial framework with endogenous regressors. Estimations complete, awaiting completion of final draft.
3. (with Marianne Sensier, University of Manchester) Regional employment cycles in the UK. Estimations complete, awaiting initial drafting.

*Under review*

4. The UK Intranational Trade Cycle (with Toshihiro Okubo, University of Kobe), with the *Journal of Forecasting* (special issue)
5. The Business Cycle, Currency and Trade (with Toshihiro, University of Kobe), with the *Journal of Business and Finance* (special issue)

***Evidence to Committees of The Houses of Parliament (UK)***

Memorandum of Evidence, Vol. II, Memoranda on Monetary Policy, House of Commons Select Committee on the Treasury and Civil Service, 1980.

Memorandum of Evidence on International Monetary Arrangements, (A) the House of Commons Select Committee on the Treasury and Civil Service, 1983.

Memorandum of Evidence on International Monetary Arrangements (B), the House of Commons Select Committee on the Treasury and Civil Service, 1983 (with E. Karakitsos).

Memorandum of Evidence on International Monetary Coordination, House of Commons Committee on the Treasury and Civil Service, 1989 (with M.P. Taylor).

Memorandum of Evidence on the European Financial Area, House of Lords Select Committee on the European Communities, 1989 (with M.P. Taylor).

Memorandum of Evidence on Preparation for Stage Three of EMU, House of Commons Committee on the Treasury and Civil Service, 1998.

***Refereeing and Reviewing***

Manchester School; Journal of Money, Credit and Banking; *Economica*; *Economic Journal*; *Economie Appliquée*; *Empirica*; *European Economic Review*; *Review of Economic Studies*; *Journal of Forecasting*; *Economic Modelling*; *Applied Economics*; *National Institute Economic Review*; *Oxford Economic Papers*; *Journal of Macroeconomics*; *Journal of Economic Dynamics and Control*; *International Journal of Forecasting*; *Open Economies Review*; *Journal of Public Policy*; *European Economic Review*; *Bulletin of Economic Research*; *World Economy*; *Journal of Development Studies*; *European Journal of Political Economy*; *Regional Studies*; *International Review of Applied Economics*.

## ***Reviewing for Publishers***

Oxford University Press; Croom Helm; Quartet; Allen and Unwin; John Wiley; Cambridge University Press; Martin Robertson; Routledge and Kegan Paul; Macmillan; Blackwells; Manchester University Press; Princeton University Press.

## ***Journal Editing***

(Editor), *National Institute Economic Review*, 1968-72.  
 (Managing Editor; Joint Managing Editor), *The Manchester School*, 1976-85; 1985-1994.  
 (Associate Editor), *Economic Journal*, 1985 - 1996.  
 (Associate Editor), *Journal of Public Policy*, 1995 -  
 (Book Review Editor), *International Journal of Finance & Economics*, 1995 -2005.  
 (Associate Editor), *The Manchester School*, 1996 -.  
 (Associate Editor), *Open Economies Review*, 1996-.

## ***Editorial Committees***

Conseil Scientifique, *Revue Française Economique*, 1986 -.  
 Editorial Board, *International Review of Applied Economics*, 1986 -.  
 Editorial Advisory Board, *Journal of Common Market Studies*, 1991 -.  
 Editorial Advisory Board, Manchester University Press, 1988 - 1994.  
 Editorial Board, *New Economy*, 1993 -.  
 Editorial Board, *The World Economy*, 1992-.  
 Editorial Advisory Board, World Scientific Publishing, 1994 -.  
 Editorial Board, *International Journal of Finance & Economics*, 1995 –  
 Editorial Board, *The Journal of International Economics and Economic Policy*, 2004-..  
 Editorial Board, *Empirica*, 2009-

## ***Membership of Professional Bodies, Honours***

- (past), Council Member, Royal Economic Society.
- (past), Executive Committee Member and Governor, National Institute of Economic and Social Research.
- (past), Academic Panel Member: H.M. Treasury.
- (past), Academic Panel Member, Bank of England.
- (past), Economic Committee of the SSRC.
- (past), Chairman, Money Study Group.
- (past), Council Member, Manchester Statistical Society (President, 1987, 1988).
- (past) Clare Group member
- (current) Research Fellow, Centre for Economic Policy Research (CEPR) (1985 - ).
- (past), Macroeconomic Modelling Consortium, ESRC.
- (past), Research Grants Board, ESRC.
- (current) Fellow, British Academy (1988 - ).
- (past), William Evans Visiting Fellow, University of Otago, New Zealand, July/August 1992.
- (past), CIBER Visiting Fellow, University of Indiana Business School, August 1994.
- (past), adviser, ESRC Commissioning Panel, Programme in Understanding the Evolving Macroeconomy, 1998-200
- (current) Affiliate, Spatial Economics Research Centre, 2008-.
- (current) Section 2, Executive member, British Academy, 2008-.

### ***Consultancy Experience***

National Institute of Economic and Social Research; United Nations; Commission of the European Communities; Bank of England; Social Science Research Council; Urwick Orr (for Government of Saudi Arabia); National Economic Development Office; House of Lords; Henley Centre for Forecasting; House of Commons; International Monetary Fund; British American Tobacco; British Petroleum; Association for European Monetary Union; Danish National Research Council; HM Treasury, European Central Bank

### ***University Administration***

- Head of Department, University College of Swansea, 1974/75.
- Head of Department, University of Manchester, 1983/84 - 1985/86; 1992/93 - 1993/94.
- Chairman, Faculty Board of Graduate Studies, University of Manchester, 1983/84 - 1984/85.
- Chairman, Management Committee of the Joint Centre for European Studies, University of Manchester/UMIST, 1986/87 - 1988/89.
- University Representative, MBS Faculty Review Committee, 1987 - 1994.
- Chairman, Faculty Ph.D. Committee, University of Manchester, 1990/91 - 1992/93.
- Chairman, Post-graduate Committee, School of Economic Studies, University of Manchester, 1993/94 - 1994/95.
- Member, Universities Funding Committee Research Assessment Panel, August- December 1992.
- Chair, Department of Economics, European University Institute, 1997/98 – 1999/2000.
- Chair, Post-Doctoral Fellowships Committee, European University Institute, 2002.
- Co-Director, Institute for Political & Economic Governance (IPEG), University of Manchester 2005-.
- Director, Manchester Regional Economics Centre, IPEG, University of Manchester 2005-.

### ***External Examinerships***

***For degrees by coursework:*** The Universities of Aberystwyth, Bath, Dundee, Liverpool, York, Leeds, Cambridge, Singapore, the West Indies; Cardiff Business School, the London School of Economics, Manchester Polytechnic, Birkbeck College, John Moores University Business School; Nanyang Technological University.

***For degrees by thesis:*** The Universities of Cambridge, Edinburgh, Exeter, Leeds, Oxford, Glasgow, Sheffield, Liverpool, Essex, Bath, Wales, Reading; the London School of Economics, the European University Institute, Sheffield Polytechnic, Birkbeck College, the City of London Polytechnic and the Australian National University.

### ***Teaching***

Macroeconomics, Monetary Economics and International Monetary Economics at all undergraduate and postgraduate levels. Public Finance, Labour Economics, Economics of the European Community, and Microeconomics at undergraduate level.

Graduate Course Teaching at the European University Institute: International Monetary Economics; Stabilization Policy; European Monetary Integration.

Graduate Course Teaching at Johns Hopkins University: European Monetary Integration, International Monetary Theory

*Research Grants*

SSRC; Leverhulme; ESRC; Nuffield; British Academy; EC: SPES, TMR, EUI, European Forecasting Network.

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