

**CURRICULUM VITAE**

***MARTIN CAVE***

## Professor Martin Cave, B.A., BPhil, DPhil

### **Office Address**

Centre for Management under Regulation  
Warwick Business School  
University of Warwick  
Coventry  
CV4 7AL

Telephone: (0)24 7652 4153  
Private Fax: (0)24 7652 4965  
Mobile: 07958 483709

Email: martin.cave@wbs.ac.uk

### **Date of Birth**

13.12.48

### **Education**

BA, First Class, Philosophy, Politics and Economics, Balliol College, University of Oxford, 1969

BPhil in Economics, Nuffield College, University of Oxford, 1971

DPhil, Nuffield College, University of Oxford, 1977

### **Academic Employment to Date**

1971-1974	Research Fellow, Centre for Russian and East European Studies, Birmingham University.
1974-1987	Lecturer and Senior Lecturer, Department of Economics, Brunel University.
1981-1982	Visiting Associate Professor, Department of Economics, University of Virginia.
1987 to 2001	Professor of Economics, Brunel University.
1988 to 1994	Head, Department of Economics, Brunel University.
1989 to 1994	Dean, Faculty of Social Sciences, Brunel University.
1994 to 1996	Pro-Vice-Chancellor, Brunel University.
1996 to 2001	Vice-Principal, Brunel University.
2001 to date	Professor and Director, Centre for Management under Regulation, Warwick Business School, University of Warwick.

### **Journals**

Member, Editorial Board –

*Economics of Education*  
*European Journal of Law and Economics*

Member, Advisory Board - *Communications and Strategies*

**Advisory and Consultancy Experience for Government Organisations\***

Member, **UK Payments Council**, 2007-2010

Adviser to **Industry Canada** on spectrum policy, 2007

Appointed by **Secretary of State, Department of Communities and Local Government** to undertake review of the regulation of social housing, 2006-7

Special adviser to **European Commissioner Viviane Reding** on the reform of telecommunications regulation, 2006

Appointed by **Chancellor of Exchequer** to conduct review of major spectrum holdings, December 2004- November 2005.

Adviser to **Lord Chancellor's Department** on legal deregulation 2004-5.

**Ofcom Spectrum Advisory Board (OSAB)**, Member, 2004-07.

**Ofcom**: Economic Advisor, from 2003

**DEFRA** regulatory task force, member, 2003

**OFWAT** Non-Executive Advisory Director, 2002 -2006

Appointed by **Chancellor of the Exchequer and the Secretary of State for Trade and Industry** to prepare an independent report on spectrum management, March 2001 – March 2002

**Postal Services Commission**: Adviser from 2000.

**Civil Aviation Authority**. Adviser 2000-2003.

**Spectrum Management Advisory Group, DTI**, member from 1999-2003

**French Ministry of Finance (1999)** Member, Groupe d'Expertise, electricity grid pricing.

**Competition Commission** Member, (1996-2002).

**Office of Utility Regulation (Jamaica)** Economic Adviser (1998-2000).

**OFGAS (1994 – 1999)** Member of OFGAS Panel of Economic Experts, to advise the Director General of Gas Supply on a variety of economic issues relating to regulation of the industry.

**Office of Fair Trading (1990-1992 and 1995-9)** Acted as Broadcasting Adviser to the Office of Fair Trading in matters relating to the regulation of networking arrangements for the television industry (1990 to 1992). Adviser on BSkyB Inquiry (from 1995-96). Expert witness for DGFT (1998-1999).

---

\* Consultancy assignments from firms omitted.

### **French Ministry of Posts and Telecommunications (1991)**

Member, Groupe d'Expertise – advisory committee on universal service and interconnection.

**Ministry of Agriculture, Fisheries and Food (1993-1996).** Adviser to the Ministry on appropriate procedures for tendering for the decommissioning of the fishing fleet.

**HM Treasury (1986-1990)** Economic Adviser undertaking advisory work on a consultancy basis for the Public Enterprise Analytical Unit and the Economics of Industry Division involving participation in the design of regulatory regimes for the water and electricity supply industries during privatisation. Secretary to an Inter-Departmental Group reviewing the discount rate and rates of return in the public sector.

**Home Office (1985-1986)** Consultant to the Committee on financing the BBC, chaired by Sir Alan Peacock. Advice on cost and revenues.

### **Publications**

#### **Books & Monographs**

(with Chris Doyle and William Webb) , *Essentials of Modern Spectrum Management*, Cambridge University Press, 2007

*Every Tenant Matters*, Dept of Communities and Local Government, 2007

(edited with K. Nakamura) *Digital Broadcasting*, Edward Elgar, 2006.

*Independent Audit of Spectrum Holdings: Report to the Chancellor*, HMSO, 2005

(edited with S Majumdar and I Vogelsang) *Handbook of Telecommunications Economics. Vol 2.* Elsevier; 2005.

*Review of Radio Spectrum Management*, HM Treasury and DTI, 2002.

(edited with S Majumdar and I Vogelsang) *Handbook of Telecommunications Economics.* Elsevier; 2002.

(With R W Crandall) *Telecommunications Liberalization on Two Sides of the Atlantic*, Brookings Institution, 2001.

(With R Baldwin), *Understanding Regulation*, 1999, Oxford University Press.

(With R. Baldwin), *Franchising as a Tool of Government*, CRI, 1996.

(edited with M Kogan and R Smith) *Output and Performance Measurement - the State of the Art.* Jessica Kinglsey, 1996.

(With D. Burningham, M. Buxton, S. Hanney, C. Pollitt, M. Scanlan, M. Shurmer), *The Valuation of Changes in Quality in the Public Services: Report Prepared for HM Treasury*, HMSO, 1994.

(With A. Carey, R. Duncan, G. Houston, K. Langford), *Accounting for Regulation in UK Utilities*, Institute for Chartered Accountants in England and Wales, 1994.

(With C. Milne and M. Scanlan), *Meeting Universal Service Obligations in a Competitive Telecommunications Sector*, European Commission, 1994, pp 1-74.

(With R. Mills), *Cost Allocation in Regulated Industries*, CRI Regulatory Brief, 1993.

(edited with S. Estrin), *Competition and Competition Policy: A Comparative Analysis of Central and Eastern Europe*, Pinter Publishers, 1993.

(With S. Hanney, M. Henkel and M. Kogan), *Performance Indicators in Higher Education*, Jessica Kingsley. First edition, 1988, second edition 1992, third edition 1996.

(With P Hare) *Alternative Approaches to Economic Planning*, Macmillan, 1981

*Computers and Economic Planning*, Cambridge University Press, 1980.

### **Chapters in books since 1991**

‘The reform of spectrum management – a European policy approach’ in the *Communications- the next decade*, Ofcom, 2006

(With S Majumdar and I Vogelsang) ‘Technology Evolution and the Internet: Introduction’ in *Handbook of Telecommunications Economics, Vol 2*, Elsevier; 2005.

‘La disciplina dei nuovi mercati ad alta tecnologia: i nuovi confine della regolamentazione comunitaria’ in *La constuzione del mercato delle telecomunicazioni fisse e mobili*, Rubbettino, 2005, pp115-117.

‘A new market-based approach to spectrum management’ in *The Round Table Expert Group on Telecommunications Law Conference Papers* (EJ Dommering and NANM van Jijk eds.) Universiteit van Amsterdam, Institute for Information Law, 2005, pp. 43-48.

‘Barriers to entry in European telecommunications markets’ in *Governing Telecommunications and the New Information Society in Europe* (Jacint Jordana ed.) Edward Elgar Publishing, 2004, pp. 47-66.

(with Peter Crowther) ‘Co-ordinating regulation and competition law – *ex ante and ex post*’ in *The Pros and Cons of Antitrust in Deregulated Markets*, Konkurrensverket (Swedish Competition Authority), 2004, pp. 11-28.

‘An economic analysis of remedies in network industries’, in *Remedies in Network Industries: EC Competition Law vs. Sector-specific Regulation*, Intersentia, 2004, pp. 1-19.

‘Ofcom and light touch regulation’, in *Successes and Failures in Regulating and Deregulating Utilities, Evidence from the UK, Europe and the USA.*, Institute of Economic Affairs, 2004, pp.65-81.

‘Economic aspects of the new regulatory regime for electronic communications services’, in *The economics of antitrust and regulation in telecommunications*, Edward Elgar, 2004, pp 27-41.

‘Télécommunications au Royaume-Uni jusqu’où la dérégulation peut-elle aller?’, in *Concurrence et service public: Textes des Conférences Jules Dupuit Présidées par Marcel Boiteux* (Claud Henry and Emile Quinet, eds) L’Harmattan, 2003 pp 381-407.

(with T. Valletti) ‘Il mercato televisivo nel Regno Unito’, in *Il mercato televisivo italiano nel contesto europeo: a cura di Antonio Perrucci and Giuseppe Richeri*, Società editrice il Mulino, 2003 pp 165-205.

‘The Littlechild report: price control and competition in UK telecommunications’ in *the UK Model of Utility Regulation, A 20<sup>th</sup> Anniversary collection to mark the ‘Littlechild Report’ –retrospect and prospect*, CRI, 2003, pp 51-56.

Barriers to entry in European telecommunications markets in J. Jordana (ed) *Governing Telecommunications and the New Information Society in Europe*, Edward Elgar, 2003, pp 47-65.

(With S. Majumdar and I. Vogelsang), "Structure, Regulation and Competition in the Telecommunications Industry", in M. Cave et al (eds) Handbook of Telecommunications Economics, Vol 1, Elsevier, 2002, pp 3-43.

'Spectrum Allocation Controversies', in R. Mansell et al (eds) Networking Knowledge for Information Societies: Institutions and Intervention. Delft University Press, 2002, pp 123-126.

'A Note on Bundling with some Applications to Telecoms: in K-M. Neumann et al *Price Regulation*, WIK, 2002, pp 71-80.

'La Sociedad de la informacion y las politica de las telecomunicaciones en Europa' in Ramon Maiz (ed) *Construccion de Europa, Democracia y Globalizacion*, Universidade de Santiago de Compostela, 2002, pp 433 – 450.

'How far can Liberalisation of postal markets go?' in *Promoting Effective Competition in the UK Postal Services IR9*, 2002, pp 75 – 88.

'The future of European communications regulation: an assessment of the European Commission's 1999 communications review' Colin Robinson ed. *Regulating Utilities – new issues, new solutions*. With Luigi Prosperetti, 2001, pp 99 - 119.

'UK Telecommunications Deregulation, How far can it go?', K. Nakamura (ed) *Convergence of Telecommunications and Broadcasting in Japan, United Kingdom and Germany*, (Curzon Press 2001) pp 53-72.

"Media and Telecoms Regulation in Converging Markets" *e-britannia: the communications revolution*, 2000 with Harry Shooshan.

(With Martin Weale) 'Higher Education: expansion and reform.' *Readings in Micro economics*' Second edition, with Martin Weale, 2000.

'Pricing of International Telecommunications Services' *Encyclopedia of Computer Science and Technology*. Vol 43, Supplement 28, 2000, pp 235-249.

'How far can deregulation of telecommunications go?' C Marsden (ed) *Regulating the Global Information Society*, Routledge, 2000.

"Regulatory Institutions and Regulatory Policy for Telecommunications in Economies in Transition: Some Issues and an Illustration" in P Hare, J Batt, S Estrin (eds) *Reconstituting the Market: The Political Economy of Microeconomic Transformation*, Harwood 1999, pp 49-64.

Developpment des Télécommunications et Service Public" in Jean-Marie Chevalier, Ivar Ekeland and Maria-Anne Frison-Roche *L'idée de Service Public Est-elle Encore Soutenable?* Presses Universitaires de France (1999).

"Football Rights and Competition in Broadcasting", in *Football in the Digital Age – Whose game is it anyway?* Forward by Johan Cruyff. Mainstream Publishing, (1999)

(With J Stern) "Regulatory Institutions and Regulatory Policy for Economies in Transition" in M Beesley (eds.) *Regulatory Reform* 1998, IEA.

"New Developments in Telecommunications Regulation" in D. Lamberton (ed), *The New Research Frontiers of Communications Policy*, North-Holland, 1997.

"Telecoms: International Competition and the Role of Regulation", in ME Beesley (ed), *Regulating Utilities: Broadening the Debate*, The Institute of Public Affairs in association with The London Business School, London, 1997, pp 29-56

"Meeting Universal Service Obligations in Competitive Telecommunications Markets: Lessons for the Postal Sector", in U. Stumpf and W. Elsenbast (eds), *Cost of Universal Service: Papers Presented at the 3rd Konigswinter Seminar*, WIK, 1996.

(With Martin Weale), "Higher Education: Expansion and Reform", T. Jenkinson (ed), *Readings in Micro Economics*, Oxford University Press, 1996.

"Cost Analysis and Cost Modelling for Regulatory Purposes: UK Experience", in W. H. Melody (ed), *Telecom Reform: Principles, Policies and Regulatory Practices*, Den Private Ingeniofond, Denmark, 1996.

"Finding Out What People Want from Public Services", in D. Corry (ed), *Public Expenditure: Effective Management and Control*, IPPR, 1996.

(With R. Dodsworth and D. Thompson), "Regulatory Reform in Higher Education in the UK: Incentives for Efficiency and Product Quality", in M. Bishop, J. Kay and C. Mayer (eds), *The Regulatory Challenge*, Oxford University Press, 1995.

(With P. Williamson), "The Reregulation of British Broadcasting", in M. Bishop, J. Kay and C. Mayer (eds), *The Regulatory Challenge*, Oxford University Press, 1995, pp 160-190.

"Traffic Management on the Superhighway: Reforming Communications Regulation", in R. Collins and J. Purnell (eds), *Managing the Information Society*, IPPR, 1995, pp 32-45.

(With M. Kogan and S. Hanney), "Performance Measurement in Higher Education", in P. M. Jackson (ed), *Measures for Success in the Public Sector*, Public Finance Foundation, CIPFA, 1995.

"The Economic Consequence of the Introduction and Regulation of International Resale of Telecommunications Services", in D. Lamberton (ed), *Beyond Competition: The Future of Telecommunications*, Elsevier Science, 1995, pp 227-246.

"Planning", in P. Arestis and M. Sawyer (eds), *Handbook of Radical Political Economy*, Edward Elgar Publishing Ltd., 1994.

(With Y. Sharma), "Foreign Entry and Competition for Local Telecommunications Services in the UK After the Duopoly Review", in E. Bohlin et al (eds), *The Race to European Eminence in Telecommunications*, Elsevier Science Publishers, 1994, pp 39-50.

"Telecommunications Regulation 1993", in Tony Gilland and Peter Vass (eds), *Regulatory Review 1994*, pp 5-18.

"Interconnection, Separate Accounting and the Development of Competition in UK Telecommunications", in M. E. Beesley (ed), *Regulating Utilities: The Way Forward*, Institute of Economic Affairs in Association With the London Business School, Readings 41, 1994, pp 57-72.

(With G. Johnes), "The Development of Competition Among Higher Education Institutions", in W. Bartlett, C. Propper, D. Wilson, J. Le Grand (eds), *Quasi-Markets in the Welfare State*, School for Advanced Urban Studies, University of Bristol, 1994.

(With Pal Valentiny), "Regulating Utilities in Economies in Transition", in S. Estrin (ed), *Privatisation in Central and Eastern Europe*, Heinemann, 1994, pp 207-219.

(With Y. Sharma), "Competitive Developments in Local Telecommunications in the UK", in H. Williams and M. Borman (eds), *Telecommunication: Exploring Competition*, IOS Press, 1994, pp 1-12.

(With S. Estrin), Introduction and Conclusions, in S. Estrin and M. Cave, (eds), *Competition and Competition Policy: A Comparative Analysis of Central and Eastern Europe*, Pinter Publishers, 1993.

"The Role of the BBC: An Economic Evaluation", in S. Barnett (ed), *Funding the BBC's Future*, British Film Institute, 1993.

"An Economist's Perspective on Regulating Quality Standards and Levels of Service", in *Utilities and Their Customers - Whose Quality of Service is it?*, Centre for the Study of Regulated Industries and National Audit Office, 1993.

(With S. Hanney), "Performance Indicators in Higher Education: An International Survey", *International Encyclopaedia of Higher Education*, 1992.

(With J. Michie), "Developing Competition in International Telephony", in F. Klaver et al (eds), *Telecommunication: New Signposts to Old Roads*, IOS Press, 1992, pp 7-18.

(With A. Bell), "Lessons from the UK Duopoly Review", in F. Klaver et al (eds), *Telecommunication: New Signposts to Old Roads*, IOS Press, 1992, pp 83-88.

"Competition and Managed Markets in UK Telecommunications", in *Incentive Regulation: Reviewing RPI-X and Promoting Competition*, Centre for the Study of Regulated Industries, 1992.

Planning Models and Their Use in the Centrally-Planned Economies, in Shri Bhagwan Dahiya (ed), *Theoretical Foundations of Development Planning*, Vedams Books International, New Delhi, 1991.

(With M. Shurmer), "Standardisation Issues for HDTV" in J-P Chamoux (ed), *Deregulating Regulators? Communication Policies for the 90's*, IOS Press, 1991, pp 17-34.

### **Refereed Articles since 1991**

(with Pietro Crocioni) 'Does Europe need network neutrality rules?' *International Journal of Communications*, 2007, pp669-679

"Six degrees of separation: operational separation as a remedy in European telecommunications regulation", *Communications and Strategies*, No. 3, 2006.

"Regulating for non-price discrimination: the case of UK fixed telecoms". *Competition and Regulation in Network Industries*, Volume 1 (2006), No. 3, 391-415.

(With L. Prosperetti and C. Doyle) "Where are we going?" Technologies, markets and long range public policy issues in European Communications, *Information Economics and Policy*, 18 (3) 2006, pp. 242-255.

"Encouraging infrastructure competition via the ladder of investment", *Telecommunications Policy*, April 2006, pp 223-237.

"Spectrum management and broadcasting: current issues" *Communications and Strategies*, Summer 2006

"Competition and the exercise of market power in broadcasting: a review of recent UK experience", *INFO* 5, 2005, pp. 20-8.

(With Peter Crowther) "Pre-emptive competition policy meets regulatory anti-trust, *European Competition Law Review*, Vol. 26, 9, 2005, pp. 481-490.

'Separation of Access Prices in Postal Services' in *Journal of Network Industries*, Intersentia, 2005, pp. 115-133.

With R. Baldwin and K. Malleson) 'Regulating Legal Services: Time for the Big Bang?' *The Modern Law Review*, Vol 67,5, 2004, pp 787-815

'Remedies for Broadband Services' *Journal of Network Industries, Competition and Regulation*, Vol. 5, 2004, pp 23-49.



(With R Collins and P Crowther) 'Regulating the BBC', *Telecommunications Policy*, April/May 2004, pp. 249-272.

(with Manouche Tavakoli and John Goddard) 'Do pay-TV subscribers and non-subscribers have different free-to-air TV viewing patterns?' *Applied Economics*, 35, 2003 pp 1379-1385.

'Symposium on access pricing investment and entry' *Telecommunications Policy*, Vol. 27, November/December 2003 pp 657-658.

(with I. Vogelsang) 'How access pricing and entry interact' *Telecommunications Policy*, Vol. 27, November/December 2003 pp 717-728.

'Privatizzazione, profitti e mercato azionario'. *Economia Pubblica*, No. 2, 2003.  
'Is LoopCo the answer? Info. No. 4, 2002 pp 25-31.

'A New Market-based Approach to Spectrum Management' *Communication and Strategies No. 47*, pp 191-211, 2002.

(With Luigi Prosperetti) 'European Communications Networks', *Oxford Review of Economic Policy*, No.3, 2001.

(With Robin Mason) 'The Economics of the Internet: Infrastructure and Regulation', *Oxford Review of Economic Policy*, No.2, 2001, pp188-201.

'Managing the Spectrum Efficiently: a Review for the British Government' *INFO Vol. 3, No. 5*, 2001, pp 369-374

'Voucher Programmes and their Role in Distributing Public Services', *OECD Journal on Budgeting*, volume 1 no. 1. OECD, 2001, pp 59-88.

'Sports Rights and the Broadcasting Industry (with RW Crandall) *Economic Journal*, Feb 2001, pp f4 – f26.

"Wrong Fox, Old Hounds? – a critical assessment of the European Commission's 1999 Communications Review", *Communications and Strategies*, Issue 38, 2000 with Luigi Prosperetti

'Are Spectrum Auctions Ruining our Grandchildren's Future?' *Info, Vol. 2 No. 4, August 2000*, with Tommaso Valletti

(With Peter Crowther) "Call Origination and Termination Charges for Accessing the Internet" *International Journal of Communications Law and Policy*, Vol. No.4, 1999/2000.

(With Len Waverman) "The Transformation of International Telecommunications", *Business Strategy Review*. (March 1999).

(With T. Valletti) "Competition in UK Mobile Communications", *Telecommunications Policy*, March 1998, pp 109-131

(With C Cowie) "Not Only Conditional Access: Towards a Better Regulatory Approach to Digital TV", *Communications and Strategies*, No.2 1998, pp 77-101

(With Manouche Tavakoli), "Modelling Television Viewing Patterns", *Journal of Advertising*, 1997.

"From Cost Plus Determination to a Network Price Cap", *Information Economics and Policy*, Vol. 9, No. 2, June 1997.

"The Evolution of Telecommunications Regulation in the UK", *European Economic Review*, 41, 1997, pp691-699.

"Regulating Digital Television in a Convergent World", *Telecommunications Policy*, Vol. 21, 1997, pp575-596

(With Colin Blackman and Paul David), "The New International Telecommunications Environment: Competition, Regulation, Trade and Standards", *Telecommunications Policy*, Vol. 20, No. 10, December 1996.

(With Peter Crowther), "Determining the Level of Regulation in EU Telecommunications: A Preliminary Assessment", *Telecommunications Policy*, Vol. 20, No. 10, December 1996.

(With M Shurmer), "Business Strategy and Regulation of Multi-Media in the UK", *The Regulation of Utilities*, Deutsches Institut für Wirtschaftsforschung, Special Issue, 4.96, 1996

(With Peter Williamson), "Competition and Regulation in UK Telecommunications", *Oxford Review of Economic Policy*, Vol. 12, No. 4, Winter, 1996, pp 100-121.

(With C. Cowie), "Regulating Conditional Access in European Pay Broadcasting", in *Communications and Strategies*, No. 23, 1996.

(With M. Donnelly), "The Pricing of International Telecommunications Services by Monopoly Operators", *Information Economics and Policy*, 1996.

(With P. Crowther), "Competition Law Approaches to Regulating Access to Utilities: The Essential Facilities Doctrine", *Rivista Internazionale di Scienze Sociali*, Catholic University of Milan, 1996.

(With G. Copley and S. Hanney), "Setting Quality Standards in the Public Sector: Some Principles and an Application", *Public Money and Management*, Vol. 15, No. 1, January-March 1995.

"Public Service Broadcasting in the UK", *Journal of Media Economics*, 1995.

"The Development of the UK Telecommunications Industry Through Privatisation and Deregulation", *Kaizi Bunseki*, (Economic Analysis), Economic Planning Agency, Tokyo, 1995.

(With S Hanney and M. Henkel), "Performance Measurement in Higher Education - Revisited", *Public Money and Management* October-December 1995. Pp 108.

(With I. Martin), "The Costs and Benefits of Accounting Separation: The Australian and British Debates", *Telecommunications Policy*, Vol. 18, No. 1, pp 12-20, January/February 1994.

"Competition in Telecommunications: Lessons from the British Experience", *Communications and Strategy*, Special Issue on Competition, 1994, pp 61-78.

(With C. Doyle), "Access Pricing in Network Utilities in Theory and Practice", *Utilities Policy*, July 1994.

"Interconnection Issues in UK Telecommunications", *Utilities Policy*, July 1994, pp 212-222.

"La Regolamentazione della Concorrenza nelle Imprese di Pubblica Utilità nel Regno Unito", *Nomisma*, Guigno, 1993, No. 1.

(With M. Weale), "Higher Education: The Assessment", *Oxford Review of Economic Policy*, Oxford University Press, June 1992, pp 1-18.

(With R. Dodsworth and D. Thompson), "Regulatory Reform in Higher Education in the UK: Incentives for Efficiency and Product Quality", *Oxford Review of Economic Policy*, Oxford University Press, June 1992.

(With A. Brown), "The Economics of Broadcast Regulation: A Survey with Application to Australia", *Economic Record*, 1992, pp 377-394.

"The UK Duopoly Review", *Communications & Strategies*, No. 3, 1991, pp 157 -163.

"Regulating Competition in Telecommunications: British Experience and its Lessons", *Economic Analysis and Policy*, Vol. 21, No. 2, September 1991, pp 129-143.

(With Peter Williamson), "'Make or Break Strategy': The Great Channel 3 Licence Race", *Business Strategy Review*, Autumn 1991, pp 53-90.

"Regulating Competition in Telecommunications: British Experience and its Lessons", *Economic Analysis and Policy*, September 1991, Vol. 21, No. 2.

### **Papers in Professional Journals from 1991**

(with Peter Crowther) 'Driving forward spectrum liberalisation', Reforming Spectrum Policy, The Vodafone Policy Paper Series, no. 5, October 2006

(with Fulvio Minervini) 'Economics of spectrum: implications for The Netherlands', Mediaforum, Tijdschrift voor Mediaen Communicatierecht, February 2006, 30-35.

'Challenges of the application of the new European telecommunications regulation', Hiradastechnika, Vol. LIX, Hungary, November 2004, pp. 8-11.

(With William Webb) "Licence to Interfere", *IEE Communications Engineer*, December/January 2003/04, p 42-50.

'Spectrum trading is coming' *Utilities Journal*, April 2004, pp32-33.

'The economics of wholesale broadband access' Multi-Media und Recht, Zeitschrift für Informations-, Telekommunikations-und Medienrecht, 10/2003 pp 15-19.

'Public Service Broadcasting and Spectrum Management', *Utilities Journal*, August 2001, pp36-7.

'Fragile Progress', *Utility Europe*, September, 2000-12-20

'A Broad Band', *The Parliamentary Monitor*, Volume 9, No. 1. November 2000.

'Spectrum Auctions', *Ingenia*, November 2000, Issue 6.

(With T Valletti) "Mobile Telecoms in the UK", *The Utilities Journal*, March 1998

"Cross-Border Interconnection: the Beginning of the End for Settlement Rates?", *International Business Lawyer*, Vol. 25, No. 7, July/August 1997, pp 303-208

"Normalising Telecommunications Regulation in the UK", *Utility Finance*, December 1996, pp 16-17.

### **Other Publications since 1991**

(with R. Baldwin and J. Black) *A legal services board: roles and issues*, [www.dea.gov.uk](http://www.dea.gov.uk)

"Review of BBC's Royal Charter", Vol. IV: Evidence in *House of Lords Select Committee on the BBC Charter Review*, 2<sup>nd</sup> Report of Session 2005/6, pp. 351-361.

"Separation and Access Prices in Postal Services", in *Structural Separation and Access Pricing, A New Synthesis?*, KVO Netherlands, November 2005, pp. 4-18.

"The Review of the BBC's Royal Charter" Vol. II: Evidence in *House of Lords, Select Committee on the BBC Charter Review, 1<sup>st</sup> Report of Session June 2005-6*, pp. 284 - 298 .

"What will 'good' look like? How OFCOM will be judged in *OFCom's In Box Part 1, Westminster Media Forum Conference Series*, 2004, pp. 11-14.

"Cost Modelling Requirements for Postcomm's Regulatory Purposes", in *Opening the Post: Postcomm and Postal Services – the Risks and Opportunities*, NAO, 2002, pp 57 – 66.

(with Pierre Larouche) "European Communications at the Crossroads", CEPS Brussels 2001.

"Anti-trust Economics' and 'Rate of Return Regulation' in J. Michie (ed.) *Reader's Guide to the Social Sciences*, Fitzcory Dearborn Publications 2001, pp56-8 and pp1383-1385.

"The Clash of the Paradigms", *Liberalisation and public service broadcasting: Proceedings of a seminar held in London*, October, 1999.

(Contribution to) Daniel Zemanovicova et al *Regulatory Barriers to Economic Competition in Transitional Countries* CPHR Bratislava 1999.

(With Zdeněk Hrubý, Chris Doyle and Anton Marcinčin) "The Economics of the Media: The Convergence of the Transition Countries with EU Member States". Research Centre of the Slovak Foreign Policy Association, Prešov 1999.

"Regulatory Consequences of Convergence" in F Herman and A Donnelly (eds.) *Telecommunications in Europe: What Organisation of the Market is Required?*, M & M Conseil, pp 1999, 75-87

(With Adrian Towse) "Regulating Prices Paid by the NHS for Medicines Supplied by the UK-Based Pharmaceutical Industry, *OHE Briefing*, No 34 October 1997, Office of Health Economics, London

"Alternative Telecommunications Infrastructures: Their Competition Policy and Market Structure Implications", *OECD Conference on Competition and Regulation in Network Infrastructure Industries*, Budapest, 9-12 May 1995, OECD, 1996.

"The Evolution of Telecommunications Regulation in the UK", in *The Regulation of Telecommunications*, Proceedings of the Seminar Organised by the Department of Economics and Public Finance and the International Centre for Economic Research (ICER), Turin, 5 July 1996, *Quaderno*, No. 31.

"The Impact on Higher Education of Funding Changes and Increasing Competition" in F. Coffield (ed), *Higher Education and Lifelong Learning*, Papers Presented at School for Policy Studies, Bristol University, Department of Education, University of Newcastle Upon Tyne, 1996.

"Privatisation and Deregulation in the UK Telecommunications Sector", *Proceedings of the ERI International Symposium*, Economic Research Institute, Economic Planning Agency, Government of Japan, 1996, pp 230-243.

(With R. Aaronson, Lord Borrie and D. Pitt-Watson), *The Future of UK Competition Policy*, Commission on Public Policy and British Business, IPPR, Working Paper, No. 4, 1996.

"Les Lecons de l'Experience au Royaume-Unit Concernant le Service Universel et l'Interconnexion", in *Documents de Travail Elabores pour le Groupe d'Expertise Economique sur l'Interconnexion et le Financement du Service Universel dans le Secteur des Telecommunications*, Minister Delege a la Poste, aux Telecommunications et a l'Espace, Avril 1996.

"Foreword" in Mandy Ryan, *Using Consumer Preferences in Health Care Decision Making: The Application of Conjoint Analysis*, Office of Health Economics, 1996.

(With Peter Crowther), "Not the End Nor Even the Beginning of the End", *Telecom Brief*, Vol. 1, No. 2, June 1996, pp 23-35.

"Franchise Auctions in Network Infrastructure Industries", *Proceedings of OECD Conference on Competition and Regulation in Network Infrastructure Industries*, Budapest, 9-12 May 1995, OECD, 1996.

"Telecoms Liberalisation in the UK: The Long Road to Light-Touch Regulation", *Proceedings of 18<sup>th</sup> International Conference, IDATE*, 1996.

(With K. Langford), "Accounting for Regulation in UK Utilities: Implications for the Regulatory Contract", in *Effective Utility Regulation - The Accounting Requirements*, Centre for the Study of Regulated Industries, Proceedings 9, CIPFA, 1995, pp 85-102.

"L'estimation des Coûts des Obligations de Service Universel", in *Les Obligations de Service Universel dans un Environnement Concurrentiel de Telecommunications 38*, OECD, 1995.

"Franchising Universal Service Obligations", in N. Gray (ed), *USO in a Competitive Telecoms Environment*, Expert Symposium, Analysys Publications, 1995, pp 112-116.

"Costing Universal Service Obligations", in *Universal Service Obligations in a Competitive Telecommunications Environment 38*, OECD, 1995.

"Economic Arguments About Access", in *Gas Pipeline Access Seminar*, LeBoeuf, Lamb, Greene & MacRae, Brussels, 1995.

(With R. Baldwin et al), *Regulation in Question: The Growing Agenda*, 1995.

"Access Pricing in Network Utilities", *Utility Finance*, Oxford Economic Research Associates, September 1994.

"Why Students Need (Consumer) Protection", *Royal Economic Society Newsletter*, No. 87, October 1994.

"Quasi-Competition and Tendering in Higher Education in the UK", *Competitive Tendering and Contracting Newsletter*, No. 4, University of Sydney, October 1993.

"UK Experience with Telecommunications Deregulation, With Special Application to the Local Loop", *Communications Research Forum Papers*, Bureau of Transport and Communications Economics, 1993.

"*The Aims and Effectiveness of Broadcasting Deregulation in a Changing Environment: Slouching Towards Competition in the United Kingdom*", *Communications Research Forum Papers*, Bureau of Transport and Communications Economics, 1993.

Discussant of Sir James McKinnon, "Common Carrier Regulation", in M. E. Beesley (ed), *Major Issues in Regulation*, Institute of Economic Affairs and London Business School, 1993.

(With S. Hanney), "Performing Down Under - What Can We Learn from Australian Approaches to Performance Indicators", in *Form, Information Management in Education*, 24 April 1992.

(With J. Evans and M. Edirisinghe), *The Influence of Ceramic Technologies on CO2 Outputs from Land-Based Transport Systems*, Brunel Discussion Paper, August 1992.

(With C. Pollitt et al), *Considering Quality: An Analytical Guide to the Literature on Quality and Standards in the Public Services*, Centre for the Evaluation of Public Policy and Practice, Brunel University, 1992.

(With A. Brown, Y. Sharma, M. Shurmer and P. Carse), *High Definition, High Risks, High Stakes*, National Economic Research Associates/Brunel University, 1992.

*Recent Developments in the Regulation of Former Nationalised Industries*, Government Economic Service Working Paper No. 115, Treasury Working Paper No. 60, HM Treasury, August 1991.

*Remarks on the Duopoly Review Decision International Cable-Telco Tango: Who is Dancing with Whom and Why?*, Centre for Strategic and International Studies, Washington DC, 1991, pp 10-12.