

## Contributors

---

**James H. Alleman** is a Visiting Associate Professor in the Media, Communications and Entertainment Program at Columbia Business School, and Director of Research, Columbia Institute for Tele-Information, New York and Associate Professor for the Interdisciplinary Telecommunications Program at the University of Colorado, USA. Dr Alleman founded Paragon Service International – a telecommunications call-back firm. He has been granted patents on the call-back process widely used by the industry.

**Steven Anderson** is a Senior at Reed College in Portland Oregon, USA, where he is writing a senior thesis on the WTO and the GATS. He co-authored the work contained in this volume with Claude E. Barfield while a Research Assistant at the American Enterprise Institute, Washington, DC, during the summer of 2001.

**Claude E. Barfield** is Director of Trade Policy Studies at the American Enterprise Institute in Washington, DC, USA. He is the author of articles and books on US trade policy and the multi-lateral trading system, including, most recently, *Tiger by the Tail: China and the World Trade Organization* (with Mark A. Groombridge) and *Free Trade, Sovereignty, Democracy: The Future of the World Trade Organization* (AEI, 2001).

**Erik Bohlin** is a Professor at the School of Technology Management and Economics at Chalmers University of Technology, Göteborg, Sweden. He has published in areas relating to the information society policy, strategy and management. He is a member of the Scientific Advisory Boards of *Communications and Strategies*, *Info* and *Telecommunications Policy*. He obtained his graduate degree in Business Administration and Economics at the Stockholm School of Economics and his PhD at Chalmers University of Technology in 1995.

**Timothy Brennan** is Professor of Policy Sciences and Economics at the University of Maryland, Baltimore County and Senior Fellow at Resources for the Future, Washington, DC, USA. His research interests include antitrust, utility deregulation, communications policy, and the relationships between economics and ethics. With Karen Palmer, he co-authored *A Shock to the System*, a primer on electricity deregulation. From

1978 to 1986 he served as a Staff Economist with the US Department of Justice Antitrust Division, and from 1996 to 1997 he was the Senior Staff Economist for industrial organization and regulation for the White House Council of Economic Advisors.

**Dominique Bureau** graduated from the Ecole Polytechnique and the Ecole Nationale des Ponts et Chaussées. He is Director for Economic Studies at the French Ministry for Environment, Paris, France, and previously held several positions of Economic Advisor to the Transportation Minister, the Minister of Economy and Finance and the Prime Minister. He also teaches economics at the Ecole Polytechnique. His major field of interest and research is applied public economics and his recent publications concern regulation. He was the Secretary General of the task forces that led successively to reports on telecommunications (1996) and electricity (2000) deregulation in France.

**Kellie Caught** is a Research and Policy Officer with the Queensland Council of Carers, Brisbane, Australia. She was formerly a Program and Information Specialist with the United Nations Development Fund for Women in Bangkok and a Senior Research Officer with the ACSM at Queensland University of Technology. At ACSM Kellie specialized in knowledge management, strategic human resource management, and organizational change in the telecommunications, information technology, biotechnology and public service sectors. Her research has been presented and published internationally.

**Richard Cawley** is a Senior Official in the European Commission in Brussels, Belgium. Since 1989 he has been involved in the development of policy and regulation for the European telecommunications and communications sectors. He also drafted legislation, although his major interest lies in the analysis underpinning policy and regulation. He has specific responsibility for forward analysis of regulatory policy. He has a first-class Honours degree in Mathematics from Leicester University, and a Master's degree in Economics from Simon Fraser University. During 1995 to 1996, he was EU–USA Fulbright Fellow and based at the Fletcher School, Tufts University.

**T.H. Chowdary** holds a degree in Telecommunications. He has held executive, managerial and directorial positions in the Government of India's Department of Telecommunications. He was the founding Chairman and Managing Director of the state-owned international carrier VSNL. He was ITU's Senior Expert in Guyana, Yemen and a consultant for restructuring the telecommunications in South Africa and for drafting a National IT Policy in Nepal. He is currently Information Technology Advisor to the

Government of Andhra Pradesh, India, and heads the Center for Telecom Management and Studies, Secunderabad, which advocates telecommunications reform in India. He authors articles and books dealing with deregulation, telecommunications and IT.

**Lawrence Cole** received his PhD in Economics from Purdue University in 1969. He taught econometrics and statistics at the University of New Hampshire from 1966 to 1978, and was Associate Dean of the Whittemore School of Business and Economics from 1974 to 1976. Lawrence subsequently spent 20 years in the telecommunications industry, mostly at GTE, working on pricing, costing, demand analysis and regulation. Dr Cole retired from GTE Labs as staff scientist in 1997 and now lives on Cape Cod, USA, where he serves on the Utility and Energy Conservation Commission for the Town of Harwich and as the town's alternate delegate to the Cape Light Compact.

**Nicolas Curien** graduated from the Ecole Polytechnique and the Ecole Nationale Supérieure des Télécommunications. He is Professor of Industrial Organization and Telecommunications Economics at the Conservatoire National des Arts et Métiers, Paris, France, and teaches economics at the Ecole Polytechnique. He previously held positions as Chief Economist with France Télécom, Economic Advisor to the Minister of Defence, and Deputy Director of the Ecole Nationale de la Statistique et de l'Administration Economique. His main publications stand in the field of telecommunications and network industry economics. He is a member of the French Superior Commission for the Public Service of Post and Telecommunications.

**Peter Curwen** is Professor of Business and Management at the Sheffield Hallam University, Sheffield, UK. He has been a Visiting Professor at universities in Europe and the US. During the 1980s his research was primarily in the area of privatization, including that of BT, and more recently he has specialized in telecommunications. He published *Restructuring Telecommunications: A Study of Europe in a Global Context* (Macmillan, 1997), and has subsequently published a series of case studies relating to the restructuring of the industry in *info*, to which he also contributes a regular *Rear View* commentary section.

**Andrew Davies** is a Senior Research Fellow at SPRU – Science and Technology Policy Research, Sussex University, Brighton, UK. He is Deputy Director of CoPS at the Universities of Sussex and Brighton. Funded by the UK government's Economic and Social Research Council, the CoPS innovation centre is undertaking a ten-year programme of research investigating the dynamics of innovation in high-value capital

goods and services, such as telecommunications, aerospace and railway systems. He publishes on government policy, firm strategy, innovation management and organizational capability.

**Martin Fransman** is Professor of Economics and Founder and Director of the Institute for Japanese–European Technology Studies at Edinburgh University, Edinburgh, UK. He has published in the fields of telecommunications, IT and innovation. Martin's recent books include *Japan's Computer and Communications Industry* (Oxford University Press) and *Visions of Innovation* (Oxford University Press).

**Willem Hulsink** is an Associate Professor of Strategic Management at the Rotterdam School of Management, Erasmus University, Rotterdam, The Netherlands. He has published on diffusion of new media, European telecommunication policy, institutional innovation, privatization and restructuring of utility sectors, and high-tech entrepreneurship. His recent books include *Engineering Competition in European Utilities* (with Emiel Wubben; Edward Elgar, 2001), *Silicon Valley in the Polder: ICT Clusters in the Netherlands and Belgium* (Lemma, 2000), *Privatisation and Liberalisation in European Telecommunications: Comparing Britain, the Netherlands and France* (Routledge, 1999) and *The New Telecommunications in The Netherlands: Strategic Developments in Technologies and Markets* (with Robin Mansell and Andrew Davies; Rathenau Institute, 1995).

**Meheroo Jussawalla** is an Emerita Research Fellow Economist at the East West Center in Honolulu, Hawaii, USA and an Affiliate Faculty in the Department of Economics and the School of Communications at the University of Hawaii. She is a scholar in the economics of telecommunications and has published extensively. A festschrift volume in her honour, *Communications and Trade*, was published in 1998. She serves on the editorial boards of *Information Economics and Policy* and *Telecommunications Policy*. Meheroo also serves on the Board of Trustees of the Pacific Telecommunications Council.

**Andrea L. Kavanaugh** is a Cunningham Fellow and Fulbright Scholar (North Africa) and has worked on the diffusion of communication technology in developing countries, particularly satellite and computer networking. She is Director of Research for the Blacksburg Electronic Village, Information Systems at Virginia Polytechnic Institute and State University, Blacksburg, USA. She has taught at Hollins College and Virginia Tech. Andrea holds an MA in Communications from the Annenberg School of Communication, University of Pennsylvania, and a PhD in Environmental Design and Planning from Virginia Tech. Her most recent book is *The Social Control of Technology in North Africa: Information in the Global Economy* (1998).

**Tim Kelly** is Head of the Strategy and Policy Unit of the International Telecommunication Union, Geneva, Switzerland, where he has worked since 1993. Before joining ITU he spent five years as a Communications Policy Analyst with the OECD and three years with Logica Consultancy. Tim has an MA in Geography and a PhD in Industrial Economics from Cambridge University. Over the last 18 years, Dr Kelly has specialized in the economics of the telecommunications industry. He has written and co-authored books including the ITU's *World Telecommunication Development Report, Direction of Traffic, Asia-Pacific Telecommunications Indicators 2000* and *ITU Internet Reports: IP Telephony 2001*.

**Charles Kenny** is an Infrastructure Economist in the Communications and Information Technology division of the World Bank Group, Washington, DC, USA. He analyses Internet and telecommunications projects, development of the Bank's work in the sector, and on information and communications technology. Previously he was in the Development Economics division of the World Bank, where he was a member of the *1999/2000 World Development Report* team, and a researcher covering issues including the environment, African agriculture and the process of economic growth. He has written on subjects including the Internet and development, what economists know about economic growth, the institutional politics of reform in Senegal, African stock markets, international environmental issues and the link between happiness and economic growth. He has MAs in International Economics and Development Studies from Johns Hopkins and London University, and a BA in History from Cambridge (UK).

**René Kienzle** is a PhD student at the ACSM at Queensland University of Technology, Brisbane, Australia. His PhD topic is concerned with examining open source software development using a resource-based view. René previously worked as a Senior Research Assistant at the ACSM conducting research in the fields of knowledge management and work organization in the telecommunications sector. He has published in *Human Resource Management* and *Group and Organization Management*.

**Günter Knieps** is Professor of Economics and Director of the Institute of Transport Economics and Regional Policy at the University of Freiburg, Germany. Before that, he was Professor of Microeconomics at the University of Groningen. His research interests include network economics, competition policy and industrial economics, and sector studies on telecommunications, transportation and electricity. His most recent publications are *Competition and Regulation in Telecommunications – Examining Germany and America* (co-edited with J.G. Sidak and C. Engel; Kluwer

Academic Press, 2001) and *Wettbewerbsoekonomie: Regulierungstheorie, Industrieoekonomie, Wettbewerbspolitik*, (Springer, 2001).

**David Lal** was formerly an electronics and telecommunications industry engineer. He graduated from the Open University in 1988 with a BA, from Jordanhill College in 1991 with a BA and from the University of Strathclyde in 1992 with an MBA. He is currently a PhD student at Strathclyde and a Lecturer in International Business and Corporate Strategy at Robert Gordon University, Aberdeen, UK. His research interests include the strategic behaviour of telecommunications organizations and international alliance decision-making.

**Bruno Lanvin** holds a BA in Mathematics and Physics from the University of Valenciennes, an MBA from Ecole des Hautes Etudes Commerciales and a PhD in Economics from the University of Paris I (La Sorbonne). Bruno is the Executive Secretary of DOT Force, the G-8 initiative to bridge the Digital Divide. He joined the World Bank, Washington, DC, USA in September 2000 as Senior Advisor for e-commerce and e-government. Until then, he was Head of Electronic Commerce in UNCTAD. During his employment at the UN, he occupied senior positions including Chief of Cabinet of the Director General of the UN, Head of Strategic Planning and Chief of the SME Trade Competitiveness Unit of UNCTAD/SITE. He has been Deputy Executive Secretary of the UN International Symposium on Trade Efficiency and General Manager of the Global Electronic Trade UN Partnership. He was the World Coordinator of the UN Trade Point Programme, a global e-commerce network. He also managed UNCTAD's component of the UN Development Account, devoted to e-commerce and development.

**Niall Levine** is qualified in both law and information technology systems. He researches on telecommunications regulation in relation to market conduct, competition policy and communications convergence at Strathclyde Business School, Glasgow, UK. As well as authoring articles on electronic publishing, communications convergence and alliance strategy, he has international legal, teaching and telecommunications consultancy experience.

**William H. Melody** is Managing Director of *LIRNE.NET* and Professor and Chair of Economics of Infrastructures at Delft University of Technology, The Netherlands. He is Guest Professor at the Centre for Tele-Information at the Technical University of Denmark, Editor in Chief of *TelecomReform*, and Policy Forum Editor for *TelecomReform* and *info*. He was Editor of *Telecommunications Policy* from 1999 to 2001. William is

Editor of *Telecom Reform: Principles, Policies and Regulatory Practices*, widely used in training programmes and university courses. Professor Melody is a former Chief Economist of the FCC, and Founding Director and Board Chairman of multi-disciplinary university centres and programmes in the US, Canada, the UK, Australia, Denmark and the Netherlands.

**Eli M. Noam** received an AB (*Phi Beta Kappa*), MA, PhD (Economics) and JD from Harvard University. Since 1976 he has been a Professor of Economics and Finance at Columbia Business School, New York, USA. Having served for three years as Commissioner with the New York State Public Service Commission, he returned to Columbia in 1990. Professor Noam is the Director of the Columbia Institute for Tele-Information and is also Chairman of the MBA concentration in the Management of Entertainment, Communications and Media at the Business School. He has taught at the Columbia Law School, Princeton University's Economics Department and Woodrow Wilson School. Professor Noam was a member of the advisory boards for the Federal government FTS-2000 telecommunications network, the IRS computer system reorganization and the National Computer Systems Laboratory. He is a member of the Council on Foreign Relations.

**Douglas Pitt** is the former Dean of the Strathclyde Business School. He specializes in international telecommunications public policy, and published on telecommunications liberalization, public management and technological change. A Professor of Organizational Analysis, he is incoming Dean of Commerce (2001) at the University of Cape Town, South Africa. He is editor of *Telecommunications Policy*.

**Marcelo Resende** graduated with a PhD in Economics from the University of Oxford and is Associate Professor at the Instituto de Economia, Universidade Federal do Rio de Janeiro, Brazil. His research interests include industrial organization and applied econometrics, in particular regulation and imperfect competition.

**Mark A. Shadur** is Visiting Professor of Human Resource Management, Department of Human Resource Studies at Cornell University, Ithaca, USA. He was formerly Principal Research Fellow, ACSM at Queensland University of Technology. He specializes in knowledge management and strategic human resource management, with emphasis on the telecommunications sector. He has published in *Group and Organization Management*, *Human Relations*, *Human Resource Management*, the *International Journal of Human Resource Management* and *Long Range Planning*.

**Martin G. Taschdjian** is an economist and telecommunications consultant in Evergreen, Colorado, USA. His career began in 1980 at the National Telecommunications and Information Administration in the US Department of Commerce. After two years as a consultant with Hatfield Associates, he joined SPRINT Communications and held positions in Strategic Planning, Public Policy and Marketing. In 1988, he joined US WEST and spent a decade establishing international broadband cable ventures. On the creation of MediaOne Group, Martin joined the new company as Vice President of International Public Policy. He joined the National Cable Center and Museum in 2000 as Director of the Magness Institute and held the Hindery Chair of Broadband Communications at the University of Denver. Martin has a PhD from George Washington University and an MA from the University of Southern California.

**Dimitri Ypsilanti** is Head of the Telecommunication and Information Policy Section at the OECD, Directorate for Science, Technology and Industry, Paris, France. He is responsible for the work on communications policy and the Working Party on Telecommunication and Information Services Policy. Mr Ypsilanti's work has included economic and policy analysis in the fields of telecommunication services trade, international telecommunication tariffication and accounting rates, comparative analysis of telecommunication performance among the OECD member countries, regulatory requirements for information infrastructures, convergence and the infrastructure requirements for e-commerce.