

Curriculum Vitae FRANCO MALERBA



Professor of Industrial Economics - Bocconi University, Milan - Italy

Director of CESPRI, Research Centre on Innovation and Internationalization- Bocconi University

2002-2004 President of the International Schumpeter Society

2003-2005 President of EARIE- European Association of Research in Industrial Economics

Editor of the Journal "Industrial and Corporate Change"

Advisory Editor of the Journal "Research Policy"

Associate Editor of the "Journal of Evolutionary Economics"

Member of the Advisory Board of SPRU-University of Sussex

Member of the Advisory Board of CRIC- University of Manchester

Member of the Advisory Board of Max Plank Institute - Jena

1983 - Doctor of Philosophy in Economics, Yale University

1996/99 - Professor of Industrial Economics, University of Brescia

1996/99 - Member of the "National Technology and Science Board" - Italian Ministry of University and Scientific and Technological Research

Visiting Professor at the Department of Stanford University and at CEPR and SIEPR, Stanford University

RESEARCH AND COLLABORATIONS

Research and collaborations with the European Commission, OECD, EUREKA, American National Science Foundation, ENEA (Italian Energy Agency) Italian Ministry of Science and Technology, Italian Ministry of Industry, Confindustria, Assolombarda, Lombardy Region, American Enterprise Institute,

EXPERTISE

Innovation; industrial dynamics, industrial economics; theory of the firm; competition and industrial dynamics; European computer industry; European software industry; European

microelectronics industry; European telecommunications industry; Italian national system of innovation; competition, industrial and technology policy; European public policy.

PUBLICATIONS INCLUDE

"The semiconductor business: the economics of rapid growth and decline" *University of Wisconsin Press-Madison (USA)* e Frances Pinter-Londra, 1985

"Demand Structure and Technological Change: the Case of the Semiconductor Industry" *Research Policy* n.14, 1985

"R-D cooperation between industry, university and non academic research organizations" (con F. Onida) *Technovation*, 1989

"Technological Regimes and Patterns of Innovation: a Theoretical and Empirical Investigation of the Italian Case" (con Luigi Orsenigo) in A. Heertje M. Perlman ed. *"Evolving technology and market structure"* University of Michigan Press Ann Arbor, 1990

"Electronic Computers" (con S.Torrise and N. Von Tunzelman) in *"Technology and the future of Europe"* a cura di C.Freeman et al. Frances Pinter London, 1991

"R-D Growth in Italian Industry in an International Perspective" in *"Technology and enterprise in an historical perspective"* G.Dosi et al. editors Oxford University Press Oxford, 1992

"Learning and Incremental Technical Change" *Economic Journal* July, 1992

"The Organization of the Innovative Process and the Commercialization of new Technologies in Europe" in N.Rosenberg R.Landau D.Mowery (ed) *"Technology and the wealth of nations"* Stanford University Press Stanford, 1992

"Internal capabilities and external networks in innovative activities" (with S.Torrise) *"Economics of Innovation and New Technologies"* Vol.2 n° 3, 1992

"Italy" in *"National innovation systems: a comparative analysis"* R.Nelson ed. Oxford University Press Oxford, 1993

"Technological regimes and firm behavior" (with L.Orsenigo) *Industrial and Corporate Change* vol.2 n.1, 1993

"Evolutionary Regimes and Industrial Dynamics" (with G.Dosi and L.Orsenigo) in *"Evolutionary approaches to economics"* L.Magnusson ed. Kluwer London, 1993

"Competence, innovative activities and economic performance in Italian high-technology firms" (with L.Marengo) *International Journal of Technology Management*, 1994

"Schumpeterian patterns of innovation" (with L. Orsenigo) *Cambridge Journal of Economics*, 1995

"Schumpeterian patterns of innovation are technology specific" (with L.Orsenigo) *Research Policy*, 1996

"The Dynamics of Market Structure and Innovation in the Western European Software Industry" (with S.Torrise) in D.Mowery (ed) *"The international computer software*

industry: a comparative study of industry evolution and structure” Oxford University Press, Oxford, 1996

"Organization and strategy in the evolution of the enterprise" (with G.Dosi) MacMillan London, 1996

"The Dynamics and Evolution of Industries" *Industrial and corporate change*, 1996

"Choice and Action" (with D.Lane et al.) *Journal of Evolutionary Economics* n° 1, 1996

"Sectoral Innovation Systems" (with S.Breschi) in C.Edquist (ed) "*Innovation systems*" Edgar London, 1997

"Technological Regimes and Sectoral Patterns of Innovative Activities" (with L.Orsenigo) *Industrial and Corporate Change*, 1997

"Industrial dynamics: puzzles, interpretations and models" (with G.Dosi et al.) *Industrial and Corporate Change*, 1997

"Persistence of innovative activities, sectoral patterns of innovation and international technological specialization" (with L.Orsenigo e P. Peretto) *International Journal of Industrial Organization*, 1997

"History friendly models of industry evolution: the case of the computer industry" (with R.Nelson, L.Orsenigo and S.Winter) *Industrial and Corporate change*, 1999

"Industrial Dynamics and the Evolution of Firms' and Nations' Competitive capabilities in the World Computer Industry" (with T. Bresnahan) in *The Sources of Industrial Leadership* R. Nelson and D.Mowery (ed) MIT Press, 1999

"The Organization of Innovative Activity in Europe" (with A. Gambardella) Cambridge University Press, 1999

"Competition and industrial policies in a "history friendly model of the evolution of the computer industry" (with R.Nelson, L.Orsenigo and S.Winter) *International Journal of Industrial Organization*, 1999

"Technological Regimes and Schumpeterian Patterns of Innovation" (with S.Breschi e L.Orsenigo) *Economic Journal*, April 2000

"Economia della ricerca, innovazione e dinamica industriale: progressi recenti e sfide future" in P.Garonna and S.Iammarino *Economia della ricerca* Il Mulino Bologna 2000

"Product diversification in a "history friendly" model of the evolution of the computer industry" (with R.Nelson, L.Orsenigo and S.Winter) in Lomi A. Larsen E. *Simulating Organizational Societies: Theories, models and ideas* MIT Press, 2000

"Knowledge, innovative activities and industry evolution" (with L.Orsenigo) *Industrial and Corporate Change* n.1, 2000

"Economia dell'innovazione" Nuova Italia Scientifica, 2000

Towards a history friendly model of innovation, market structure and regulation in the dynamics of the pharmaceutical industry: the age of random screening (con L.Orsenigo), Conference in Honour of Paul David "New frontiers in the economics of innovation and new technology", Turin, 2001

"History friendly models of industry evolution: the case of the computer industry" (with R.Nelson, L.Orsenigo S.Winter), *Journal of Artificial Society and Social Simulation*, 2001

“A behavioral and evolutionary model of the dynamics of the computer industry” (con R.Nelson, L.Orsenigo, S.Winter), in *Essays in honour of R.Cyert* (M.Augier and J.March eds), Edgar London 2001

“I fondamenti teorici della politica tecnologica di cooperazione” (con Cusumano), in L.Paganetto e C.Pietrobelli (ed) *Scienza, tecnologia e innovazione: quali politiche?*, Il Mulino, Bologna 2001

“The emprical assesement of firms' technological coherence: data and methodology”, in *The Economics and management of Technological Diversification*, J. Cantwell A.Gambardella O.Grandstand (ed), 2001

“The geography of innovation and economic clustering: some introductory notes” (with S.Breschi), *Industrial and Corporate Change* n. 4, 2001

“Modelli History friendly della evoluzione delle industrie: il caso dell'industria dei computer” (with Luigi Orsenigo), *Economia e Politica Industriale*, 2001

“Introduction to the Special Issue in Honour of Richard Neslon” (with W.Cohen, D.Mowery e S.Winter), *Industrial and Corporate Change* n.3, 2001

“Is the tendency to variation a chief source of progress” (with W.Cohen), *Industrial and corporate change* n.3, 2001

“Sectoral systems of innovation and production" *Research Policy* 2002

“Innovation and market structure in the dynamics of the pharmaceutical industry and biotechnology: towards a history friendly model” (with L.Orsenigo) *Industrial and Corporate Change* 2002

“The value of competitive innovation” (with T.Bresnahan) in *Technology and the New Economy*, Chi-Wa Yuen and Chong-En Bai, Ed., MIT Press, Boston,, 2002

“Les régimes technologiques et les systèmes sectoriels d'innovation in Europe” in R.Solow and J.P.Touffut (ed) *Institutions et innovation* Colloque du Centre Saint Gobain, Albin Michel, Paris 2002

“Knowledge relatedness in firms technological diversification” (with S. Breschi e F. Lissoni), *Research Policy*, 2003

“Exploring the factors affecting international technological specialization: the role of knowledge flows and the structure of innovative activity” (with F.Montobbio) *Journal of Evolutionary Economics*, 2003 n. 13

“Firm capabilities and competition and industrial policies in a history-friendly model of the evolution of the computer industry” (with R.Nelson, L.Orsenigo and S.Winter) in C. Helfat (ed) *The SMS Blackwell Handbook of Organizational Capabilities* 2003 Blackwell,Oxford

“Schumpeterian patterns of innovation and technological regimes” *Elgar companion to neo-schumpeterian economics* E.Elgar 2004

“Sectoral systems of innovation: a framework for linking innovation to the knowledge base, structure and dynamics of sectors” *Economics of Innovation and New Technologies* 2004

“*Sectoral systems of innovation*” Cambridge University Press, Cambridge 2004

“Sectoral systems of innovation: how and why innovation differs across sectors” in *Handbook of Innovation* J.Fagerber, D.Mowery and R.Nelson (ed). Cambridge University Press, Cambridge 2004