

CURRICULUM VITAE

CARLO PIETROBELLI

Nationality: Italian; Married, three children

Contact Address:

Viale Regina Margherita 249, 00198 Rome, Italy,

Ph. +39 064402547 or +39 0657332476 Fax +39 0657332511

Email: c.pietrobelli@uniroma3.it and carlopietrobelli@yahoo.it

url: <http://host.uniroma3.it/docenti/pietrobelli/>

EDUCATION

Ph.D. in Economics, University of Oxford, U.K., 1993, Supervisors: Sanjaya Lall and Rosemary Thorp.

Ph.D. in Economics, University of Rome La Sapienza, Italy, 1990, Supervisor : Antonio Marzano

Master of Science in Development Economics, University of Oxford, U.K., 1987.

SYNOPSIS OF PROFESSIONAL EXPERIENCE

Carlo Pietrobelli is currently **Professor of Economics** at the University of Rome 3, Italy, and **Director of the Centre for Research on the Economics of Institutions** (<http://host.uniroma3.it/centri/CREI>) at the University of Rome 3.

He is **Delegate of the Rector** for promoting University-Industry linkages and **Head of the *Industrial Liaison Office*** of the University of Rome 3 (since 2005).

He was Associate Professor of Economics at the University of Molise, Italy (1998–2001), and Lecturer in Economics at the University of Rome Tor Vergata (1991-98). He also teaches and has held positions in several Italian and foreign Universities.

He has a large consulting experience with international organizations such as: the European Commission, the World Bank, the Inter-American Development Bank, UNIDO, UNCTAD, ECLAC, ILO, IFAD, and the OECD. He has worked in most countries in Latin America and in several Sub-Saharan African and Asian countries.

He has worked extensively on issues related to science, technology and innovation policies in developing countries, and to competitiveness, enterprise clusters and value chains, international trade and regional integration. His specific fields of expertise – see the vast range of publications and consulting appointments - include:

- Innovation and technology in developing countries.
- Science, Technology and Innovation policies in developing countries.
- Small business economics, enterprise clusters and cluster development policies.
- Value chains analysis.
- Competitiveness and competitiveness policies
- International trade and economic integration
- Development projects' identification, design, monitoring and evaluation.

During all these assignments, he has developed an in-depth understanding of economic development issues, principles and applications. More specifically, he has carried out policy relevant research, often in the fields of Science, technology and innovation, and in Private Sector Development, offering policy advice and technical support to Governments and institutions in developed and developing countries.

He has a proven ability to plan and manage large international research and consultancy projects, often requiring the management of large groups of researchers and professionals. He has constantly developed partnerships and collaborations with the private sector and he is currently in charge of managing the University-Industry linkages of the University of Rome 3, Italy.

He has a long experience of *rapporteur*, speaker and expert in technical meetings at an international level (United Nations, EU, IADB, OECD).

LANGUAGE SKILLS (from 1 to 5):

Language	Reading	Speaking	Writing
Italian	mother tongue		
English	5	5	5
Spanish	5	5	5
French	5	4	2
Portuguese	4	3	2

He is a member of the Italian Economists' Association (SIE), of the American Economic Association (AEA), of the Society for Latin American Studies (UK) (SLAS).

PRESENT EMPLOYMENT

- **Professor of Economics** at the University of Rome 3, Italy (since 2001).
- **Director of the Centre for Research on the Economics of Institutions** at the University of Rome 3 (<http://host.uniroma3.it/centri/CREI>).
- **Delegate of the Rector** for promoting University-Industry linkages and **Head of the *Industrial Liaison Office*** of the University of Rome 3 (since 2005).

DETAILS OF PROFESSIONAL AND CONSULTING EXPERIENCE

Country	Organisation	Date	Position	Job Description/Project
South Africa and Botswana	TIPS, South Africa	September – December 2008	Team Leader – Senior economist	Organization and delivery of Workshop on <i>Industrial Policy for the SADC countries</i> – workshops in Botswana and South Africa http://www.tips.org.za/event/sadm-call-participation-industrial-policy-training-workshop
Austria, India, Ethiopia	UNIDO	Sept.2008 – May 2009	Team Leader - Evaluator	Evaluation of UNIDO's Cluster Development Programmes worldwide
Mexico	IADB (Inter-American Development Bank)	June – Nov. 2008	Senior Economist	Identification of Projects to Support <i>Regional Innovation Systems</i> in Mexico
Burkina Faso, Senegal, Trinidad & Tobago, Barbados, and others	European Commission	Ongoing (since June 2007)	Senior Economist	<i>Monitoring the PRO€INVEST Programme</i> (8 ACP TPS 108/17)
Chile	IADB	January-June 2008	Senior Economist	Support to the design of Competitiveness Programs in Chile's Northern Regions
Latin America (Southern Cone)	IFAD, International Fund for Agricultural Development, United Nations	Dec. 2007 – March 2008	Senior Economist, Consultant to Director for Latin America	Strategic Consulting to the IFAD Director for Latin America and the Caribbean on <i>IFAD Strategy on Biofuels and Climate Change</i> for the Southern Cone of Latin America
	UNCTAD (UN Conference on Trade and Development)	Nov.2006 – Jan 2007	Senior Economist, Consultant	Background paper for UNCTAD LDCs Report 2007 on "Upgrading to compete: global value chains, clusters and SMEs in the African Least Developed Countries".
Angola	UNCTAD	Oct. – Dec. 2006	Senior Economist, S&T Consultant	<i>Science, Technology and Innovation Policy Review</i> for Angola http://www.unctad.org/stdev
Italy, Latin America (Southern Cone)	IFAD, United Nations	Oct. 2006 – June 2007	Senior Economist, Consultant to Director for Latin America	Strategic Consulting to the IFAD Director for Latin America and the Caribbean on <i>IFAD Strategy Paper for the Southern Cone of LA</i> , on the internal Performance-Based System for Loan allocation, and on various analytical issues
Italy	IFAD	February – May 2006	Senior Economist, consultant	Assessment, Paper, and Strategic Policy Advice to IFAD Direction for Latin America and the Caribbean on IFAD's Performance-based System for Resources Allocation
Italy - France	OECD Development Centre	December 2005 – March 2006	Senior economist consultant	Paper on "Private sector development – Concepts and Best Practices" for project on "Aid for trade and agro-based private sector development in Africa", Publication as Working Paper OECD
Brazil	IADB (Inter-American Development Bank)	May-December 2005	Team leader, senior economist	Support to the design of <i>Competitiveness Development Programs</i> of selected clusters in Minas Gerais and Pernambuco
Morocco	CSTD Conference of Science and Technology for Development - UNCTAD	October 2005	Senior Economist S&T Consultant	Presentation and paper for Experts' panel on "Bridging The Technology Gap between and within Nations"; http://www.unctad.org/stdev
Italy – Venezuela	CAF (Andean Development Corporation)	March – July 2005	Senior Economist	Paper on "Small and Medium-sized enterprises in Latin America and the Challenge of Liberalization", background paper for <i>CAF Annual Report 2005</i> .
Chile	IADB – MIF (Multilateral Investment Fund)	March 2005	Senior Economist	Final Evaluation of project on "Strengthening productive integration with selected value chains and SMEs", Chile
MERCOSUR	European Commission – RELEX and AIDCO	November 2004 – June 2005	Team Leader	Drafting of the <i>Regional Strategy Paper</i> for EC economic cooperation with MERCOSUR for years 2007-13

Tunisia - Italy	Italy's and Tunisia's Ministries of Industry	April – November 2005	Senior Economist	Study for the creation of a Network of Business Development Service Centres for internationalization
Chile	IADB – MIF	January-February 2004	Senior Economist	Intermediate Evaluation of project on “Strengthening productive integration with selected value chains and SME clusters”
Brazil, Chile, Mexico, Nicaragua, Italy	IADB	August 2002 – June 2003	Project Leader, Senior Economist	Coordinator of a study on ‘Value Chains and Enterprise Clusters: Lessons and Best Practices from the Latin American Experience’. Leader of a team of 12 researchers from Latin America and Europe.
Bolivia	European Commission - AIDCO	November 2001 – February 2002	Senior Consultant	Identification of a <i>Trade Development and Investment Promotion Programme</i> in Bolivia (BOL/AIDCO/2002/0003)
	ECLAC (United Nations Economic Commission for Latin America and the Caribbean)	October 2000 – December 2001	Senior Economist, Consultant	Paper on “Markets and Business Development Service Centres (BDSC): The Northern Italy Experience and its Relevance for Latin America”.
Italy	Confindustria	May – November 2001	Senior Consultant	Paper on “Markets and Sectors’ Dynamics in Italy’s Competitiveness” for ‘ <i>The Confindustria Report on Italy’s Competitiveness</i> ’, edited by G.P. Galli and L.Paganetto.
Guatemala, Panama, Costa Rica, Argentina, Uruguay	European Commission – SCR	September 2000 – April 2001	Senior evaluator, Team leader for the Latin American sub-component	“Evaluation of Economic Cooperation of the European Union with Asia and Latin America”. Team leader for the Latin American component. Report may be found in http://ec.europa.eu/europeaid/evaluation/document_index/2002/951614_docs.htm
Uganda and Ghana	UNCTAD	July 1999 – March 2000	Senior Economist, Consultant	Joint (UNCTAD/WTO/ITC) project on “Policies for Transfer of Technology.
	UNIDO, Vienna	October – December 2000	Senior Economist S&T Consultant	background paper for the World Industrial Development Report (WIDR) 2002-03 on “National Industrial Systems in Africa”.
Chile and Italy	ECLAC, Santiago, and International J. Maritain Institute, Rome.	October 1998 – April 1999	Scientific Co-ordinator consultant	Organization of International Seminar on “The Globalization of the Financial Markets and its Effects on the Emerging Countries”, Santiago, Chile, March 1999.
Uganda	UNCTAD	September 1999	Senior Economist, S&T Consultant	Report of ‘Foreign Direct Investment and Technology Transfer’ for “ <i>Uganda’s Investment Policy Review</i> ”
Italy -Taiwan	European Commission (TSER - Targeted Socio-Economic Research)	March 1998 – March 2000	Senior Economist	Research Project on ‘SMEs in Europe and East Asia’. With Universities of Oxford, Athens, Jerusalem, Edinburgh, IAI Rome, and Universities in Japan, South Korea and Taiwan.
UK - Italy	Overseas Development Institute (ODI), London for the OECD/DAC	September 1998 – February 1999	Senior Economist, Evaluator	Project on ‘Comparative Assessment of Poverty Reduction Policies of Main Donor Countries’, for “DAC Network on Poverty Reduction”. In charge of the Italy case-study. http://www.oecd.org/document/38/0,2340,en_2649_201185_1885798_1_1_1_00.html
Chile	European Commission, DG1B	November 1997 - February 1998	Economist, Senior consultant	“Comparative Analysis of Services in the European Union and Chile”. Field-work in Chile for two weeks.
Namibia	European Commission / Namibia’s Ministry of Trade and Industry	September 1997 And June 1998	Trade Policy and Integration Adviser.	“Transitory Trade and Investment Development Programme” for the MTI. Consultancy on the competitiveness of Namibia’s economy and its enterprise system.
MERCOSUR	IADB	April - September 1997	Economist, Senior consultant	“Promotion of Small Business Competitiveness and Regional Integration in the MERCOSUR Countries”.
MERCOSUR	European Commission, DG1B	July - October 1997	Economist, Senior consultant	“Comparative Analysis of Services in the EU and MERCOSUR”. Field-work in the four countries.
Belgium - Italy	European Commission, DG 1B	February - June 1997	Chief Evaluator, consultant	Project on “Evaluation of Regional Co-operation of the EU in Latin America”. Report in http://ec.europa.eu/europeaid/evaluation/document_index/1999/951390_docs.htm
Turkey and Europe	European Commission – TSER	February 1996 – February 1998	Senior Economist S&T Consultant	Research Project on ‘Science and Technology Policies in Developing Countries’, with Universities of Oxford,

	Programme			Athens, Venice, d'Agliano Centre, Turin.
Austria	UNIDO Investment and Tech. Promotion Division	October 1996	Senior Economist S&T Consultant	In charge of preparing a Programme of training and activities on Technology Transfer Management
Finland	UNCTAD, Division for Science and Technology	April 1996	S&T Consultant, <i>Rapporteur</i>	<i>Rapporteur</i> at Helsinki Workshop on 'Technology Partnership for Capacity-Building and Competitiveness'.
Armenia	European Commission (TACIS)	March-May 1995	Team Leader	Policy Advice Programme (No. AR 03-10-94-021) to the Government of Armenia on: 'Industrial Policy: Restructuring of Strategic Sectors, Armenia'.
Switzerland	UNCTAD, Division for Science and Technology	April - July 1995	Economist, <i>Rapporteur</i>	Paper on 'Promoting technological partnership among small and medium-sized enterprises'. <i>Rapporteur</i> .
Ethiopia	The World Bank	September – October 1994	Economist, Consultant	'Private Sector Development Action Plan'
Ghana	European Commission, DGVIII	June-July 1994	Consultant on Private Sector Development	'Evaluation of the EC-support to the Structural Adjustment Programme in Ghana'.
Ghana	European Commission, DGVIII	March-April 1994	Consultant on Privatisation and PSD	'Enhancing Enterprise Privatisation and Restructuring in Ghana. Identification and draft of a plan of action for the EC'.
Zambia	UNIDO	April - October 1994	S&T Consultant	Trainer in 'Technology Transfer' for the <i>Zambia Investment Centre</i> .
Italy – Argentina - Brazil	National Research Council (CNR), Italy	May 1990- December 1993	Industrial and Trade Economist	Project: 'The Internationalisation of Italian Enterprises towards Latin America'. Field Missions in Argentina and Brazil. Several publications.
Chile	ECLAC-UNIDO, Industry and Technology Division	January 1989 - April 1989	International Trade and Technology Consultant	Project: 'Dynamic Comparative Advantages and the Developing Countries', directed by F.Fajnzylber
Italy	ICEPS, Rome	November 1989 – July 1990	Economist, Consultant	Projects on : (i) 'Analyses of Argentine Industrial Sectors (ii) 'The Macroeconomic Effects of the European Union on Latin America (with ECLAC). (iii) Co-operation Plan between Brazil and Italy in Technology and Industry'
Chile	ECLAC-IFDA .	August 1988- January 1989	Private Sector Development Expert	Assessment of the Perspectives of Industrial Co-operation between Chilean and Italian SMEs.
Italy	Finmeccanica Spa, Rome Research Department	March 1985 – September 1986	Consultant, Economist	Projects on: 'The International Trade of the Metalworking Sector', and economic analyses of competing firms

ADDITIONAL TEACHING EXPERIENCE:

He also teaches:

- "Economics and Management of Technological Innovation", Malaysia, University of Malaya, Asia-Europe Institute, since 2005, in *Masters in Regional Integration*, <http://ccm.um.edu.my/ccm/navigation/academics/institute/asia-europe-institute/>
- "Colloquia on Innovation", SPRU Science Policy Research Unit, University of Sussex, 40th Anniversary Seminars - 26-28 June 2006, <http://www.sussex.ac.uk/spru/1-2-2-2-3-3-4.html>
- "Economics of Innovation and Local Development", Masters' Programmes of the *Universidad Nacional de General Sarmiento*, Buenos Aires, Argentina (since 2002). (<http://www.ungs.edu.ar>).
- "Private Sector Development" at the Master in Development Economics and International Cooperation, MESCI, University of Rome Tor Vergata, since 2002, and sits in Scientific Board (<http://www.ceistorvergata.it/master/mesci/>)
- "Estrategias para el Desarrollo Económico Local", International Labour Office (ILO), Turin Training Center, <http://learning.itcilo.it/led/> .
- "Comparative Local Development in Latin America", at the Master in Development, Innovation and Change, University of Bologna, Italy (since 2001), (<http://www.dse.unibo.it/midic/>) ..
- "Economics of Strategic Alliances and Inter-firm Cooperation", Master in International Economics and Finance, sponsored by the Italian Ministry of Foreign Affairs at the University of Rome Tor Vergata, since 1999, (<http://www.economia.uniroma2.it/dei/formazione/efi/>)

Books:

1. *Upgrading to Compete. Global Value Chains, SMEs and Clusters in Latin America* (with R.Rabellotti), (2007), Cambridge Ma.: HARVARD University Press (ISBN 1597820326). <http://www.hup.harvard.edu/catalog/PIEUPG.html>
2. *L'Economia del Brasile. Dal caffè al bioetanolo: modernità e contraddizioni di un gigante*, (with E.Pugliese), Roma: Carocci 2007, (ISBN 9788843042852). <http://www.carocci.it/carocci/servlet/LoadPageNet?page=32&init=sec&act=scheda&cod=4172>

3. *Failing to Compete: Technology Development and Technology Systems in Africa* (with Sanjaya Lall), Cheltenham, UK and Lyme, US: Edward ELGAR, 2002, http://www.e-elgar.co.uk/Bookentry_Main.lasso?id=2360
4. *The Global Challenge to Industrial Districts: SMEs in Italy and Taiwan*, (with P. Guerrieri and S. Iammarino), Cheltenham, UK and Lyme, US: Edward ELGAR, 2001, paperback 2003, http://www.e-elgar.co.uk/Bookentry_Main.lasso?id=2422
5. *Economia. Casi pratici e teorici* (with G.N. De Vito and E. Pugliese) (*textbook for a 1st year Economics Course*), Milan: Apogeo, 2005.
6. *Industry, Competitiveness and Technological Capabilities in Chile. A New Tiger from Latin America?*, London and New York: MACMILLAN and ST.MARTIN'S (1998). (http://www.palgrave.com/catalogue/catalogue.asp?Title_Id=0333689003)
7. *Emerging Forms of Technological Cooperation: The Case for Technology Partnerships - Inner Logic, Examples and Enabling Environment*, (1996) Science and Technology Issues, Geneva: UNCTAD - United Nations.
8. *Tecnologia e Sviluppo. L'inserimento internazionale di un'economia emergente*, Roma, Edizioni Lavoro (ISBN 9788879104869), 1991.

EDITED BOOKS:

1. *Globalizzazione: Istruzioni per l'uso (Globalization: A Toolkit)* (with L.Becchetti and L.Paganetto), Rome: Donzelli (2006), www.donzelli.it (ISBN 88-86175-89-2)
2. *The Theory and Practice of Local Development Opportunities for Cooperation between Mediterranean Regions* (with N. Bellini, E. Giuliani, R. Rabellotti (2004), Firenze: Regione Toscana
3. *Linking Local and Global Economies: The Ties that Bind.* (with Á. Sverrisson) London and New-York: ROUTLEDGE, 2003,), www.routledge-ny.com/books.cfm?isbn=0415296900&CFID=335625&CFTOKEN
4. *The Globalization of Financial Markets and The Emerging Economies*, J.A. Ocampo, S. Zamagni, R Ffrench-Davis and C.Pietrobelli (eds.) Santiago: ECLAC – United Nations, 2000 (<http://www.eclac.cl/cgi-bin/getProd.asp?xml=/publicaciones/xml/5/10705/P10705.xml&xsl=/tpl-i/p9f.xsl>).
5. *Scienza, Tecnologia e Innovazione: Quali Politiche? (Science, Technology and Innovation: What Role for Public Policies?)*, (with L. Paganetto), Bologna: IL MULINO (2001) http://www.mulino.it/edizioni/volumi/scheda_volume.php?vista=scheda&ISBNART=08173-9 .

Selected Articles in Refereed Journals

1. "Power Relationships along the Value Chain: Multinational Firms, Global Buyers, and Local Suppliers' Performance" (with F.Saliola), *Cambridge Journal of Economics*, Vol.32 No.6, 947-62, 2008.
2. "Does Tariff Liberalization Promote Trade? Latin American Countries in the Long-Run (1900-2000)" (with S.Nenci), *Global Economy Journal* Vol. 8 (2008) / Issue 4, Berkeley Electronic Press <http://www.bepress.com/gej/vol8/iss4/2/> .
3. "Global Value Chains and Technological Capabilities: A Framework to Study Learning and Innovation in Developing Countries" (with A.Morrison and R.Rabellotti), *Oxford Development Studies*, 36:1, 39 – 58, 2008.
4. "Introduction" to the Special Issue in honour of Sanjaya Lall, (with Frances Stewart), *Oxford Development Studies*, 36:1, 1-9, 2008.
5. "Business Development Service centres in Italy: close to firms, far from innovation", (with R. Rabellotti) *World Review of Science, Technology and Sustainable Development*, 2007, Vol. 4, No. 1, pp.38–55.
6. "Global Value Chains and Clusters in LDCs: What Prospects for Upgrading and Technological Capabilities", Background paper for *The Least Developed Countries Report 2007*, Geneva: UNCTAD, http://www.unctad.org/sections/ldc_dir/docs/ldcr2007_Pietrobelli_en.pdf
7. "Elasticity of Substitution, Small Enterprises and Economic Growth" (with M. Aquilina and R. Klump), *Small Business Economics* (2006) 26: 203–214, presented at the *European Economics Association*, Amsterdam, 2005.
8. "Fostering Technological Capabilities in Sub-Saharan Africa", *Policy Brief for Science and Development Network*, <http://www.scidev.net/dossiers/index.cfm?fuseaction=policybrief&dossier=13&policy=133> November 2006.
9. "Old and New Forms of Clustering and Production Networks in Changing Technological Regimes: Contrasting Evidence from Taiwan and Italy", (with P.Guerrieri), *Science, Technology and Society*, vol.11, no.1 Jan-June 2006.
10. "Pequeñas y Medianas Empresas en América Latina e Internacionalización. Apertura, Liberalización y Políticas" (with F.Porta and V. Moori-Koenig), *Perspectivas*, CAF, Vol.3 No.2, December 2005, pp.97-163.
11. "National Technology Systems in Sub-Saharan Africa" (with Sanjaya Lall), *International Journal of Technology and Globalization*, KSG, Harvard, Vol.1 No.3-4, 2005.
12. "Upgrading In Global Value Chains: Lessons From Latin American Clusters", with R.Rabellotti and E.Giuliani, *World Development*, Vol.33(4), 2005, pp. 549–73.
13. "Trade Openness and Vulnerability in Central and Eastern Europe" (with P. Montalbano, A. Federici, U. Triulzi), *WIDER Research Paper* No. 2005/43, World Institute for Development Economics Research, United Nations, June 2005 <http://www.wider.unu.edu/publications/publications.htm>
14. "An Empirical Study of the Determinants of Self-Employment in Developing Countries", with R.Rabellotti and M.Aquilina, *Journal of International Development*, 16, 803-20, 2004. Working Paper in http://www.luiss.it/ricerca/centri/lee/file/LEEWD14_JUNE_2004.pdf
15. "Upgrading in Clusters and Value Chains in Latin America. The Role of Policies" (with R. Rabellotti) Sustainable Development Department Best practices series; MSM-124, January 2004, http://www.iadb.org/sds/publication/publication_3586_e.htm and in Spanish (February 2005, http://www.iadb.org/sds/mic/publication/publication_159_3586_s.htm)
16. "Industrial Districts' Evolution and Technological Regimes: Italy and Taiwan" (with P.Guerrieri) in *Technovation*, 24 (2004): 899–914.

17. "The Globalisation of Technology and its Implications for Developing Countries. Windows of Opportunity or Further Burden?", with D.Archibugi, *Technological Forecasting and Social Change*, Vol.70, pp.861-83 (2003).
18. 'Business Development Service Centres in Italy. An Empirical Analysis of Three Regional Experiences: Emilia Romagna, Lombardia and Veneto' *Desarrollo Productivo* No.130, ECLAC United Nations, September 2002 (with Roberta Rabellotti) <http://www.ecclac.org/cgi-bin/getProd.asp?xml=/publicaciones/xml/4/11094/PI1094.xml&xsl=/ddpe/tpl-i/p9f.xsl&base=/tpl/top-bottom.xsl>
19. 'Los fundamentos teóricos de una política para la ciencia, la tecnología y la innovación' (with L.Paganetto), *Revista de Ciencias Empresariales*, Universidad Privada de Santa Cruz, Bolivia, Vol.3 N.3, December 2002.
20. 'Enterprise Clusters and Industrial Districts in Colombia's Fashion Sector' (with T. B. Olarte) in *European Planning Studies*, Vol. 10, No. 5 (July) 2002.
21. 'Industrial Clusters and Districts in Colombia? Evidence from the Textile and Garments Industry', (with T.B. Olarte), *Cuadernos de Administración*, Universidad Javeriana, Santafé de Bogotá, Vol. 15 N° 24 June 2002. <http://www.javeriana.edu.co/biblos/revistas/administracion/admin24/4.%20Pietrobelli.pdf>
22. 'Intra-Industry Gaps in Technology and Investments in Technological Capabilities: Firm-level Evidence from Chile' (with G. Battisti), *International Review of Applied Economics*, Vol.14 No.2, April 2000.
23. 'National Industrial Systems in Africa. The Nature and Deficiencies of Technological Effort in African Industry', background paper for the UNIDO – World Industrial Development Report 2001 – 2002.
24. 'The Socioeconomic Foundations of Competitiveness: An Econometric Analysis of Italian Industrial Districts', *Industry & Innovation*, Vol. 5. No. 2, December 1998.
25. 'Emerging Entrepreneurship or Disguised Unemployment in Manufacturing? An Empirical Study of the Determinants of Self-Employment in Developing Countries', (with Roberta Rabellotti), *Centro d'Agliano, Torino / International Development Centre, Oxford Development Studies Working Paper*, No. 123, December 1998.
26. 'The Multiple Linkages between Technological Change, Growth and the Economy. A Review of a Research Programme', *LABOUR*, Vol.XII, No.2, 1998.
27. *Guest Editor of LABOUR*, Vol.XII, No.2, Summer 1998, with papers by Aghion, Barba Navaretti, Battisti, Saint Paul, de Groot, Guerrieri, Haskel, Pietrobelli, Stoneman, Winograd.
28. 'On the Theory of Technological Capabilities and Developing Countries' Dynamic Comparative Advantage in Manufactures', *Rivista Internazionale di Scienze Economiche e Commerciali*, Vol.XLIV, No. 2, June 1997.
29. 'Measurement of Europe-Asia Technology Exchanges : Asymmetry and Distance' (with J.Samper), *Science and Public Policy*, 1997, Vol.XXIV, No.4, August.
30. 'Trade Liberalization and Industrial Response: The Case of Chile (1974-1987)', *Banca Nazionale del Lavoro Quarterly Review*, Vol.XLVII N.191, December 1994.
31. 'Internazionalizzazione dei distretti industriali. Elementi teorici ed evidenza dall'America Latina' (with M.Bagella), *Economia e Politica Industriale*, no.86/1995.
32. 'Technological Capabilities at the National Level: An International Comparison of Manufacturing Export Performances', *Development Policy Review*, Vol.XII, N.2, 1994.
33. 'Indicadores de Movilidad Internacional del Capital: Un Análisis Económico de la Experiencia del Grupo ASEAN' (with S.Rossi), *Estudios de Economía*, Vol.XXI, No.1, 1994, and CEIS Working Paper No.27, 1993.
34. 'El Proceso de Diversificación de Exportaciones en Chile', *Estudios e Informes de la CEPAL* No.84, Santiago, United Nations, 1993.
35. 'Non-traditional Agricultural and Agro-industrial Exports and Technological Change: a Microeconomic Approach', in Hojman D.E. (ed.), *Change in the Chilean Countryside: from Pinochet to Aylwin and Beyond*, Macmillan, London, 1993.
36. 'Inducing Efficiency in the Use of Foreign Aid: the Case for an Incentive Mechanisms' (with Scarpa C.), *Journal of Development Studies*, 1992, Vol.29 No.1, October.
37. 'Relaciones extramercado entre firmas y sus efectos en el desarrollo industrial de los países de menor desarrollo. El caso de un Parque Industrial en Santiago de Chile', (with R.Rabellotti), *Revista Latinoamericana de Estudios Urbanos y Regionales - EURE*, Vol.XVIII, N.54, 1992.
38. 'Real Effective Exchange Rates: Methodological Proposals for a Computable Index and an Application to Chile [1973-86]', *Economia Internazionale*, Vol.XLIV, N.1, 1991.

SELECTED CHAPTERS IN EDITED BOOKS AND SELECTED WORKING PAPERS

1. "Socioeconomic Vulnerability and Trade Liberalization: Cross-Country Evidence in Central and Eastern Europe", (with P.Montalbano, A.Federici, and U.Triulzi), in J.M. Fanelli and L. Squire (eds.), *Economic Reform in Developing Countries: Reach, Range, Reason*, Foreword by Nobel Prize Amartya Sen, Cheltenham, UK and Lyme, US: Edward ELGAR: (2008), (ISBN 9781847202482)).
2. "Why do Researchers Collaborate with Industry? An Analysis of the Wine Sector in Chile, South Africa and Italy" (with E.Giuliani, A.Morrison, R.Rabellotti), CESPRI Working Paper 217, http://www.cespri.unibocconi.it/folder.php?vedi=4242&btn=albero&id_folder=1917
3. "Newly Emerging Paradigms in the World Economy: Global Buyers, Value Chain Governance and Local Suppliers' Performance in Thailand" (with F.Saliola), in L.Labrianidis (ed.) *The Moving Frontier*, Ashgate, (2008).
4. "Global Value Chains and Technological Capabilities: A Framework to Study Industrial Innovation in Developing Countries" (with A.Morrison and R.Rabellotti), in R.Leoncini and S.Montresor, (eds.) *Dynamic Capabilities between Firm Organization and Local Systems of Production* (2008), London and New York: Routledge (ISBN 0-415-40000-7), 157-80.

5. "Incentivi ed efficienza degli aiuti per lo sviluppo", in C.Gnesutta, G.M. Rey, G.C.Romagnoli (eds.) *Capitale industriale e capitale finanziario nell'economia globale*, Bologna:Il Mulino (2008).
6. "Private Sector Development: Concepts and Practices", in OECD, *Business for Development: Fostering the Private Sector*(2007), OECD Development Centre, Paris: OECD, pp.21-53.
7. "Global Value Chains and Technological Capabilities: A Framework to Study Learning and Innovation in Developing Countries", (with A.Morrison and R.Rabellotti), Working paper Sanjaya Lall Programme for Technology and Management for Development, University of Oxford, <http://www.geh.ox.ac.uk/centres/slptmd-wp>.
8. "Clusters and Value Chains in Latin America: In Search of an Integrated Approach" (with R.Rabellotti), in C.Pietrobelli and R.Rabellotti, *Upgrading to Compete. Global Value Chains, SMEs and Clusters in Latin America* (2007), Cambridge Ma.: HARVARD University Press (ISBN 1-59782-032-6), pp.1-40.
9. "Upgrading in Global Value Chains: Lessons from Latin American Clusters" (with E.Giuliani and R.Rabellotti), in C.Pietrobelli and R.Rabellotti, *Upgrading to Compete. Global Value Chains, SMEs and Clusters in Latin America* (2007), Cambridge Ma.: HARVARD University Press (ISBN 1-59782-032-6), pp.251-98.
10. "Supporting Enterprise Upgrading in Clusters and Value Chains in Latin America" (with R.Rabellotti), in C.Pietrobelli and R.Rabellotti, *Upgrading to Compete. Global Value Chains, SMEs and Clusters in Latin America* (2007), Cambridge Ma.: HARVARD University Press (ISBN 1-59782-032-6), pp.299-330.
11. "Trade Openness and Vulnerability in Central and Eastern Europe", (with P.Montalbano, A.Federici, and U.Triulzi), in M.Nissanke and E.Thorbecke (eds.), *The Impact of Globalization on the World's Poor. Transmission Mechanisms*, Palgrave Macmillan (2006, ISBN 0230004792).
12. "Políticas para el mejoramiento de las PYMEs en los Clusters y Cadenas de Valor de Latinoamérica" (with R.Rabellotti) in M.Cimoli, B.Garcia, C.Garrido (eds) *El Camino latinoamericano hacia la competitividad. Políticas públicas para el desarrollo productivo y tecnológico*, Siglo XXI, Mexico, ISBN 9683105319.
13. "La liberalizzazione tariffaria è sufficiente a far crescere il commercio?" (with S.Nenci) in L.Becchetti, L.Paganetto, C.Pietrobelli (eds.) *Globalizzazione: Istruzioni per l'uso (Globalization: A Toolkit)*, Rome: Donzelli (2006), ISBN 88-86175-89-2), www.donzelli.it, pp. 77-98.
14. "Diritto alla salute e brevetti farmaceutici. I paesi in via di sviluppo e l'accordo TRIPs" (with S.Ardesi) in L.Becchetti, L.Paganetto, C.Pietrobelli (eds.) *Globalizzazione: Istruzioni per l'uso (Globalization: A Toolkit)*, Rome: Donzelli (2006) ISBN 88-86175-89-2), www.donzelli.it, pp. 99-122.
15. "Upgrading in Global Value Chains: Lessons from Latin American Clusters" (with R.Rabellotti) in E.Giuliani, R.Rabellotti, M.P. van Dijk (eds.), *Clusters Facing Competition: The Importance of External Linkages*, Aldershot: Ashgate, 2005 (ISBN 0-7546-4461-8).
16. "Un enfoque sectorial de políticas para clusters y cadenas de valor en América Latina" (with R.Rabellotti), in M.D.Parrilli, P.Bianchi, R.Sugden (eds.), *Alta Tecnología, Productividad y Redes. Un enfoque sistémico para el desarrollo de las pequeñas y medianas empresas*, El Colegio de Tlaxcala A.C., Mexico, 2005 (ISBN 970-9871-04-8).
17. "Manufacturing in Sub-Saharan Africa and the Need of a National Technology System" (with Sanjaya Lall), in M. Muchie, B.Å. Lundvall and P. Gammeltoft (eds.), *The Making of African Innovation Systems*, Aalborg University Press 2003. <http://www.globelics.org/index.php?module=htmlpages&func=display&pid=3>
18. "Teoria e pratica nell'esperienza dei centri di servizio alle imprese in Italia. Implicazioni per i Paesi in via di Sviluppo" (with T. Ciarli and R. Rabellotti) in Marzano F. (ed.) *Progresso economico, equità e disuguaglianze*, Bologna: Il Mulino (ISBN 88-15-10727-4) 2005
19. "Un'Analisi Empirica del Self-Employment nei Paesi in Via di Sviluppo" (with R.Rabellotti and M.Aquilina) in Marzano F. (ed.) *Progresso economico, equità e disuguaglianze*, Bologna: Il Mulino (ISBN 88-15-10727-4), 2005.
20. "Elasticità di Sostituzione e Dimensione d'Impresa nei Paesi in Via di Sviluppo" (with M.Aquilina) in Marzano F. (ed.) *Progresso economico, equità e disuguaglianze*, Bologna: Il Mulino (ISBN 88-15-10727-4), 2005.
21. "Upgrading and Technological Regimes in Industrial Clusters in Italy and Taiwan", in C.Pietrobelli and A. Sverrisson (eds.), *Linking Local and Global Economies. The Ties that Bind*, London and New-York, Routledge, 2003.
22. "The Ties that Bind: Small and Medium-sized Enterprises in the Global Economy", (with A.Sverrisson), in C.Pietrobelli and A.Sverrisson (eds.), *Linking Local and Global Economies. The Ties that Bind*, London and New-York, Routledge, 2003.
23. "A evolução de regimes tecnológicos dos distritos industriais: Itália e Taiwan", in H. Lastres, J.E. Cassiolato, M.L. Maciel (eds.), *Pequena empresa: cooperação e desenvolvimento local*, Relume Dumará Editora, RJ, Brasil, 2003.
24. 'Vincoli allo sviluppo e multinazionali: quali politiche economiche?' (with S.Manzocchi), in L.Paganetto (ed.) *Una Governance per l'Italia*, Il Mulino, Bologna, 2003.
25. "Industrial Districts' Evolution and Technological Regimes: Italy and Taiwan", Viewpoint on Harvard University, Kennedy School of Government website, <http://www.cid.harvard.edu/cidbiotech/comments/comments177.htm> September 2002.
26. La competitività dell'Italia nei confronti dei paesi industrializzati. Dinamiche settoriali e di mercato' in G.P.Galli and L.Paganetto (eds.), *La Competitività dell'Italia: Le Imprese*, Milan: Il Sole 24 Ore (2002) pp.275-315 (ISBN 88-8363-334-2)
27. "La globalización de los mercados financieros y sus implicaciones para los países en vías de desarrollo. ¿Es la inversión directa extranjera una panacea para las economías en vías de desarrollo?" (with S. Manzocchi) in P.García Ruiz (ed.), *El Problema de la Deuda Externa*, EUNSA: Ediciones Universidad de Navarra, Pamplona, 2001, pp.83-120.
28. 'Models of Industrial Clusters' Evolution and Changes in Technological Regimes' (con P.Guerrieri) in P.Guerrieri, S.Iammarino, C.Pietrobelli (eds.) *The Global Challenge to Industrial Districts: SMEs in Italy and Taiwan*, Cheltenham, UK and Lyme, US: Edward ELGAR, 2001, pp.11-34.

29. 'New Challenges for Industrial Clusters and Districts: Global Production Networks and Knowledge Diffusion' (con D.Ernst, P.Guerrieri, S.Iammarino) in P.Guerrieri, S.Iammarino, C.Pietrobelli (eds.) *The Global Challenge to Industrial Districts: SMEs in Italy and Taiwan*, Cheltenham, UK and Lyme, US: Edward ELGAR, 2001, pp.131-44.
30. 'I fondamenti teorici di una politica per la scienza, la tecnologia e l'innovazione' (with L.Paganetto) in L. Paganetto and C. Pietrobelli, *Scienza, Tecnologia e Innovazione: Quali Politiche?* Il Mulino, Bologna, 2001
31. 'Vincoli allo sviluppo e multinazionali: quali politiche economiche?' (with S.Manzocchi), in Guerrieri P. (ed.) *Il WTO ed il regime commerciale internazionale. Processi di liberalizzazione e nuove regole del gioco*, Il Mulino, Bologna, 2001, for the Italian Economists Association.
32. 'The Emerging Economies in the Global Financial Market. Some Concluding Remarks' (con S.Zamagni), in J.A.Ocampo, S. Zamagni, R. Ffrench-Davis e C. Pietrobelli (eds.) *The Globalization of Financial Markets and the Emerging Economies*, Santiago, ECLAC, United Nations, May 2000.
33. 'The Role of International Technology Transfer in the Industrialisation of Developing Countries', in Elena M. and Schroeer D. (eds.) *Technology Transfer*, Aldershot UK, Burlington USA: Ashgate (2000).
34. 'MERCOSUR and the Service Sector. Rules and the Reality of International Trade' (with M.Bagella) in Desportes Y. *et al.*, *Intégration Economique et Développement de l'Entreprise: Europe et Amérique Latine*, ESKA, Paris, 2000.
35. 'Competitiveness and Its Socio-Economic Foundations: Empirical Evidence on the Italian Industrial Districts', in Bagella M., Becchetti L. (eds.), *The Competitive Advantage of Industrial Districts*, Physica-Verlag, Heidelberg, 2000.
36. 'Management in Chile', in *International Encyclopedia of Business and Management* (IEBM), London: International Thompson Publishing, 1999.
37. 'Technological Co-operation among Unequal Partners: Trends and Conceptual Aspects of Technology Partnerships', in UNCTAD, *Exchanging Experiences of Technology Partnership*, Geneva: United Nations, 1997.
38. 'From SMEs to Industrial Districts in the Process of Internationalisation towards Developing Countries. A Theoretical Framework from Some Recent Empirical Evidence' (with M.Bagella) in M.P. van Dijk and Rabellotti R. (eds.) *Clusters and Networks of Small Enterprises and Technology Diffusion in Developing Countries*. Frank Cass, London, 1997, also in Bagella M., Becchetti L. (eds.), *The Competitive Advantage of Industrial Districts*, Physica-Verlag, Heidelberg, 2000.
39. 'Developing Countries and Dynamic Comparative Advantage in Manufactures. Econometric Evidence from Chile', in Hojman D.E. (ed.), *Neoliberalism with a Human Face. The Politics and Economics of the Chilean Model*, The University of Liverpool, Institute of Latin American Studies, Monograph No.19, 1995.
40. 'Manufactured Exports Performance: How Successful Has Chile Been?', in Angell A., Pollack B. (eds.), *The Legacy of Dictatorship: Political, Economic and Social Change n Pinochet's Chile*, The University of Liverpool, Institute of Latin American Studies, Monograph No.17, 1993.
41. 'Non-traditional Agricultural and Agro-industrial Exports and Technological Change: a Microeconomic Approach', in Hojman D.E. (ed.), *Change in the Chilean Countryside: from Pinochet to Aylwin and beyond*, Macmillan, London, 1993.

C.P.

28 DECEMBER 2007