

FRANCESCO QUATRARO

CURRICULUM VITAE

Contact Details:

Department of Economics
“S. Cogneetti de Martiis”
University of Turin
Via Po 53
10124 Torino, Italy
Email: francesco.quatraro@unito.it

Current Appointments

Janaury 2008 – Current	Assistant Director Bureau of Research on Innovation, Complexity and Knowledge (BRICK), Collegio Carlo Alberto
April 2007 – Current	Post-Doc Fellow CNRS-GREDEG, Université de Nice “Sophia Antipolis”
November 2006 – Current	Research Associate Department of Economics “S. Cogneetti de Martiis”, University of Torino

Past Professional Experiences

October 2006 – April 2007	Visiting Research Fellow CRIC , The Victoria University of Manchester
October 2005 – April 2006	Visiting Research Fellow Columbia Business School, Columbia University of New York
April 2005 – September 2005	Visiting Research Fellow CRIC , The Victoria University of Manchester
May 2002 – September 2003	Research Fellow Department for the Study of Mediterranean Societies, University of Bari

Education

2003-2007	PhD, Economics <i>University of Torino,</i> Supervisor: Cristiano Antonelli
2003-2004	PhD Training Courses <i>Sant’Anna School of Advanced Studies of Pisa,</i>
1996-2001	Laurea Summa cum Laude School of Communication Studies <i>University of Torino</i>

Honors, grants and fellowships

- 2009 **Salvatore Vinci prize**,
Awarded by the University of Naples “Parthenope”.
- 2007 **Marie Curie Training Fellowship** to attend the PREPARE Summer School on Spatial Econometrics.
- 2005 **Giorgio Rota Prize**,
Awarded by the Unione Industriali of Turin
- 2003 **PhD Fellowship**, University of Turin
- 2001 **Best Bachelor Dissertation award**, Scientific Park Tecnopolis CSATA, Bari

Teaching

Adjunct Professor of Macroeconomics at the School of Communication Studies, University of Torino, 2006 to date.

Lecturer of Economics of Knowledge at the School of Communication Studies, University of Torino, 2004 to date.

Lecturer of Economics of Innovation at the School of Management, University of Torino, 2005 to date.

Research Interests

Microeconomics, Macroeconomics, Industrial Dynamics, Economics of Innovation, Regional Economics, Applied Economics

Participation to Research Project and Reports

- In progress Integrated Project EURODITE (Regional Trajectories to the Knowledge Economy: A Dynamic Model). EU 7th Framework Programme Contract no. 006187.
- In progress Member of the DIME network of excellence within the EU 7th Framework Programme.
- In progress Knowledge Intensive Sectors: Models and Evidence, funded by the *French National Agency for Research (ANR)*, contract number: *ANR JCJC06_141306*.
- 2007 The Economics of Network Services in Piedmont, *Report to the Piedmont Consortium for Information Systems (CSI) (Italy)*
- 2006 A cross-regional analysis of technological performances in the Italian North-West, *Report to MIUR Research Projects of National Interest (Italy)*
- 2005 Technological Knowledge Production and Economic Performances in Piedmont and Valle d'Aosta, *Fondazione Rosselli*
- 2003 Technological knowledge and localised learning: What perspectives for a European Policy? *EU Directorate for Research, research contract No. HPSE-CT2001-00051*.

Papers in refereed journals

- Antonelli, C., Krafft, J. and F. Quatraro, 2009, Recombinant knowledge and growth: The case of ICTs, *Structural Change and Economic Dynamics*, DOI:10.1016/j.strueco.2009.12.001- (AERES: C; CNRS: 4).
- Quatraro, Francesco, 2009, ICT Capital and Services Complementarities. The Italian Evidence, *Applied Economics*, DOI: 10.1080/00036840903299805. (AERES: A; CNRS: 2)
- Antonelli C. e F. Quatraro, 2009, The Effects of Biased Technological Change on Total Factor Productivity. Empirical Evidence from a Sample of OECD Countries, *Journal of Technology Transfer*, DOI: 10.1007/s10961-009-9134-2. (AERES: C; CNRS: 4)
- Quatraro, F., 2009, Innovation, structural change and productivity growth. Evidence from Italian regions, 1980-2003, *Cambridge Journal of Economics*, 33, 1001-1022. (AERES: A; CNRS: 2)
- Quatraro, F., 2009, The diffusion of regional innovation capabilities: Evidence from Italian patent data, *Regional Studies*, 43, 1333-1348. (AERES: A; CNRS: 2)
- Antonelli, C., Patrucco P.P. and Quatraro, F., 2008, The governance of localized knowledge externalities, *International Review of Applied Economics*, 22, 479-498. (AERES: C; CNRS: 4)
- Quatraro, F., 2006, Technological Change and Productivity Growth in Italian Regions, 1982-2001, *Region et Developpement*, 24, 139-164. (AERES: C; CNRS: 4)

Other publications

- Quatraro F., 2007, Change vs. Decline: A Comparative Analysis of the Evolution of TFP in Italian Regions, with a Particular Attention to the case of Turin, *International Review of Economics*, 54, 86-105.
- Quatraro, F., 2005, A Schumpeterian Approach to Innovation Clustering in a Low-tech Technology in a Peripheral Region: The Case of Garments in Mezzogiorno, *Innovation: Management, Policy & Practice*, 7, 435-450.
- Quatraro, F., 2005, An Ethno-Linguistic Approach to the Role of Services in Knowledge Transfer: The Case of the Innovation Relay Centre of Southern Italy, *Prometheus*, 23, 437-458.

Submitted Working Papers

- Antonelli C., Patrucco P. and F. Quatraro, 2008, Pecuniary Knowledge Externalities: Evidence from European Regions, LEI & BRICK Working Paper, N.03/2008, under revision, *Economic Geography*.
- Antonelli, C. and Quatraro F., 2009, Localized Technological Change and Efficiency Wages: the Evidence across European Regions, LEI & BRICK Working Paper, N.07/2009, submitted to *Regional Studies*.
- Krafft J., Quatraro F. and P., Saviotti 2009, The Evolution of Knowledge Base in Knowledge-Intensive Sectors: Social Network Analysis of Biotechnology, LEI & BRICK Working Paper, N.09/2009, submitted to *Economics of Innovation and New Technology*.
- Quatraro, F., 2009, Knowledge Coherence, Variety and Productivity Growth: Manufacturing Evidence from Italian Regions, Papers in Evolutionary Economic Geography (PEEG), Utrecht University, Section of Economic Geography, submitted to *Research Policy*.
- Krafft, J., Quatraro F. and Saviotti P.P., 2009, Evolution of the Knowledge Base in Knowledge Intensive Sectors, LEI & BRICK Working Paper, N.06/2009, under revision, *Industrial and Corporate Change*.

Not-submitted Working Papers

Antonelli C. e F. Quatraro (2007), "Shifting the Bias: How to Disentangle Creative Adoption from Radical Innovation. Empirical Evidence from Italy and the US ". LEI & BRICK Working Paper, N.06/2007.

Antonelli C. e F. Quatraro (2007), "Directed Technological Change and Total Factor Productivity. Effects and Determinants in a Sample of OECD Countries, 1971 – 2001". LEI & BRICK Working Paper, N.11/2007.

Quatraro, Francesco (2006), "Mind the Gap: Convergence of Technology and Technology of Convergence in Italian Regions, 1982-2001". LEI & BRICK Working Paper, N.03/2006.

Book Chapters

Krafft, J. and Quatraro, F., The dynamics of technological knowledge, in Antonelli, C. (ed) (2010) *Handbook on System Dynamics of Technological Change*, Cheltenham: Edward Elgar.

Antonelli, C., Patrucco, P.P. and Quatraro F., 2008, The Economics of Information and Communication Technologies, *International Encyclopedia of Communication*, Oxford: Blackwell Press (ISBN: 9781405131995).

Antonelli, C., Patrucco, P. P. and Quatraro, F., 2007, La Grande Onda Schumpeteriana alla fine del XX secolo. Transizioni Tecnologiche e Modelli Economici nel Caso Italiano, in Berta, G. (ed.), *Una Trasformazione in Atto: Il Nord Italia. Annali della Fondazione Giangiacomo Feltrinelli – 2007*, Milano: Feltrinelli.

Books

Francesco Quatraro, "The Economics of Structural Change in Knowledge", forthcoming in 2010. Book project accepted for publication by Routledge.

Edited volumes / special issues

“The dynamics of knowledge and innovation in knowledge-intensive industries”, edited by Jackie Krafft, Francesco Quatraro and Pier Paolo Saviotti, to appear on *Economics of Innovation and New Technology*, fall 2011.

Book reviews

Francesco Quatraro, 2009, "Martin Fransman: The new ICT ecosystem. Implications for Europe", *Journal of Evolutionary Economics*, DOI: 10.1007/s00191-009-0167-3.

Conference Presentations/Invitations

2009	Workshop, Eindhoven University of Technology (Netherlands)
2009	Thematic meeting of the French Economic Association, University of Nice (France)
2009	Workshop, University of Lyon Lumiere II (France)
2008	Workshop on Knowledge Intensive Industries (organizer) BRICK, Collegio Carlo Alberto (Italy)

2008 European Association of Evolutionary Political Economy, University of Roma Tre (Italy)

2008 Conference on Knowledge and Growth, Toulouse Business School (France)

2008 Workshop, University of Newcastle (UK)

2007 CCC doctoral colloquium, GeorgiaTech, Atlanta (US)

2007 EMAEE conference on Innovation, Manchester Metropolitan University (UK)

2007 ERSA conference, University of Liverpool (UK)

2007 Annual conference of the Regional Studies Association, Prague

2006 ERSA conference, University of Volos (GR)

2004 Conference of the International Schumpeter Society, Bocconi University of Milan

2003 ASEAT conference, University of Manchester (UK)

2003 DRUID conference, Copenhagen (DK)

2002 Annual conference of the Regional Studies Association, Pisa (Italy)

Refereeing

Applied Economics, Economics of Innovation and New Technology, Papers in Regional Science, Journal of Evolutionary Economics, Routledge Economic Series.

Others

European Association for an Evolutionary Political Economy (EAEPE)
Candidate as Council Member in 2010

Skills

Computing

Microsoft Office: Word, Power Point & Excel; Expert level
Stata: Econometric Analysis Software; Expert level
Pajek: Analysis and visualization of large networks; Expert level
Sampler: Software for lexicographic analysis; Average level

Language

Italian: native;
English: excellent written and spoken;
French: basic level.

References

Cristiano Antonelli
Department of Economics
University of Torino
cristiano.antonelli@unito.it

Stan Metcalfe
Manchester Institute of Innovation Research
University of Manchester
stan.metcalfe@manchester.ac.uk

Jackie Krafft
CNRS-GREDEG
University of Nice Sophia Antipolis
Jackie.krafft@gredeg.cnrs.fr

Pier Paolo Saviotti
INRA-GAEL
University Pierre Mendès, Grenoble
pier-paolo.saviotti@wanadoo.fr

Pascal Petit
CEPREMAP
Ecole Normale Supérieure de Paris
Pascal.petit@ens.fr

Turin, 2010-01-11