

**CURRICULUM VITAE**  
**PIER PAOLO PATRUCCO**

**PERSONAL INFORMATION:** Born February 11 1974, Vercelli, Italy.

**CONTACTS:**

University of Turin  
Department of Economics and Statistics  
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**PRESENT POSITIONS**

Associate Professor of Economics  
University of Torino  
Department of Economics and Statistics

Fellow, BRICK – Bureau of Research on Innovation,  
Knowledge and Complexity, Collegio Carlo Alberto

**PREVIOUS POSITIONS**

9/2001 – 8/2015	Assistant Professor of Economics University of Torino Department of Economics and Statistics
9/2004 – 6/2005	Jean Monnet Fellow, Robert Schuman Centre for Advanced Studies, European Forum “The Role of University in Innovation Systems”, Istituto Universitario Europeo, Fiesole, Italia
2/2004 – 6/2004	Full Time Visiting Fellow, SPRU - Science and Technology Policy Research, University of Sussex, Brighton, UK
9/2002 – 6/2003	Marie Curie Fellow, CRIC - ESRC Centre for Research on Innovation and Competition, Victoria University of Manchester/UMIST, UK
6/1999 – 9/2001	Nomisma – Società di Studi Economici S.p.A., Bologna Industrial Policy Unit Junior economist

## **EDUCATION**

2000 – 2003	University of Nice –Sophia Antipolis, France IDEFI – LATAPSES Ph.D in Economics
1998- 1999	ISTAO, Ancona Master in Economics
1993-98	University of Torino Laurea (MA equivalent) in Communication and Business

## **FELLOWSHIPS**

9/2004 – 6/2005	Jean Monnet Fellow, Robert Schuman Centre for Advanced Studies, European Forum “The Role of University in Innovation Systems”, Istituto Universitario Europeo, S. Domenico di Fiesole (FI), Italia (Settembre 2004 – Giugno 2005)
2/2004 – 5/2004	Full Time Visiting Fellow, SPRU - Science and Technology Policy Research, University of Sussex, Brighton, UK (Febbraio 2004 – Maggio 2004)
9/2002 – 6/2003	Marie Curie Fellow, CRIC - ESRC Centre for Research on Innovation and Competition, Victoria University of Manchester/UMIST, UK (Settembre 2002 – Giugno 2003)
9/1999-6/2001	Two-year research grant School of Human Studies, University of Torino

## **MEMBERSHIPS, HONOURSHIPS, OTHERS**

- Member of the International Schumpeter Society
- Member of the European Association for Evolutionary Political Economy
- Member of the Technology Transfer Society
- Member of the Società Italiana degli Economisti
- Member of the Associazione Italiana di Scienze Regionali
- Invited professor, Telecom Ecole de Management, Institut Telecom, Paris, France
- Member of the Scientific board of the Consortium for Informatic Services of the Piedmont Region
- Editorial board of the International Journal of Automotive Technology and Management

## **RESEARCH INTERESTS :**

- *Economics of knowledge, innovation and new technology*
- *Economics of organization*
- *Theory of the firm*
- *Regional economics*

**REFEREE FOR:**

*Research Policy, Regional Studies, Industry and Innovation, Journal of Evolutionary Economics, Journal of Technology Transfer, Papers in Regional Science, Economics of Innovation and New Technology, Environment and Planning, Structural Change and Economic Dynamics, Socio-Economic Review, Technology Analysis and Strategic Management, International Journal of Automotive Technology Management, Routledge, National Science Foundation, European Commission, Swiss National Science Foundation, Italian Ministry for University and Research*

## MAIN TEACHING ACTIVITIES

### Courses

- 2019-present: Economics of Internet  
School of Economics and Social Sciences, University of Torino
- 2014-present: Industrial Economics  
School of Economics and Social Sciences, University of Torino
- 2012-2018: Economics of Innovation  
Doctoral Program in Economics and Complexity  
University of Torino and Collegio Carlo Alberto
- 2010-2013: Economics of Innovation and ICT  
Invited Professor, Telecom Ecole de Management, Paris
- 2006-2017: Economics of ICT and Media  
School of Economics and Social Sciences, University of Torino
- 2005-2014: Economics of Innovation  
School of Management, University of Torino
- 2003-2013: Industrial Economics (36 hours)  
School of Communication, University of Torino
- 2003-2006: Microeconomics (30 ore),  
School of Human Studies, University of Torino
- 2001-2002: Macroeconomics (30 ore),  
School of Human Studies, University of Torino

### Managerial activities

- 2014-2019: Director  
Graduate Program in Economics, Statistics and Organizations  
Department of Economics of Statistics, University of Torino
- 2013-2018: Member of the Board  
Master Program in Cooperation, Development and Innovation in the  
Global Economy, University of Torino
- 2011-present: Member of the Teaching Committee  
Department of Economics and Statistics, University of Torino

- 2009-2018: Member of the Board  
Department of Economics and Statistics, University of Torino
- 2004-2012: Deputy director  
Master Program in Communication, ICT and Media  
University of Torino
- 2004-present: Tutor  
Master Program in Communication, ICT and Media  
University of Torino
- 2001-2004: Member of the Teaching Committee  
School of Communication, University of Torino

### **Other activities**

- 2010-2015: Organization of the series “Seminars in the Economics of Innovation and Knowledge”, Dipartimento di Economia e Statistica, University of Torino and BRICK, Collegio Carlo Alberto [International series with 2 seminars per month, part of the Doctoral Program in Economics and Complexity, Università di Torino e Collegio Carlo Alberto]
- 2010-2018: Member of the scientific committee of the annual internal conference “The Organisation, Economics and Policy of Scientific Research”, Collegio Carlo Alberto

## PUBLICATIONS

### INTERNATIONAL PEER REVIEWED JOURNALS ARTICLES

1. Patterns of green innovation in the automotive industry: empirical evidence from OECD countries 1990-2018 (with A. Novaresio), *International Journal of Automotive Technology and Management*, forthcoming.
2. The birth and development of the Italian automotive industry (1894-2015) and the Turin car cluster (with A. Enrietti, A. Geuna, C. Nava), *Industrial and Corporate Change* 31 (1), 2022, pp. 161–185
3. The evolution of knowledge organization and the emergence of a platform for innovation in the car industry, *Industry and Innovation* 21 (3), 2014, pp. 243–266.
4. Systemic innovation and organizational change in the car industry: Electric vehicle innovation platforms, *Journal of Industrial and Business Economics* 38 (1), 2011, pp. 85-106 (with A. Enrietti).
5. Changing network structure in the organization of knowledge: The innovation platform in the evidence of the automobile system in Turin, *Economics of Innovation and New Technology* 20 (5), 2011, 477-493.
6. Productivity growth and pecuniary knowledge externalities: An empirical analysis of agglomeration economies in European regions, *Economic Geography* 87 (1), 2011, 23-50 (with C. Antonelli and F. Quatraro).
7. Collective knowledge production, costs and the dynamics of technological systems, *Economics of Innovation and New Technology* 18 (3), 2009, 295-310.
8. The economics of collective knowledge and technological communication, *Journal of Technology Transfer* 33 (6), 2008, 579-599.
9. Innovation platforms and the governance of knowledge: Evidence from Italy and the UK, *Economics of Innovation and New Technology* 17 (7), 2008, 701-718 (with D. Consoli).
10. The governance of localized knowledge externalities, *International Review of Applied Economics* 22 (4), 2008, 479-498 (with C. Antonelli and F. Quatraro).
11. The emergence of technology systems: knowledge production and distribution in the case of the Emilian plastics district, *Cambridge Journal of Economics*, 29 (1), 2005, 37-56.
12. Institutional variety, networking and knowledge exchange: communication and innovation in the case of the Brianza technological district, *Regional Studies*, 37 (2), 2003, 159-172.

13. Social and contractual interactions in the production of technological knowledge, *Information Economics and Policy*, 14 (3), 2002, 405-416.

## **BOOKS**

14. *The Economics of Platforms: Organizing Knowledge and Innovation*, London: Routledge, forthcoming.
15. *The Economics of Knowledge Generation and Distribution: The Role of Interactions in the System Dynamic of Innovation and Growth*, London: Routledge, 2014.
16. *Il Sentiero dell'Innovazione. Letture di un Concetto Economico Controverso*, Torino: Edizioni della Fondazione Giovanni Agnelli, 2004 (with C. Antonelli).

## **BOOKS CHAPTERS**

17. Path dependence in the economics of knowledge and innovation, in Dopfer, K., Potts, J. and Pyka, A. (eds), *Routledge Handbook on Evolutionary Economics*, London: Routledge, forthcoming (with C. Antonelli).
18. The platform as an organizational innovation for complex systems, in Antonelli, C. (ed), *Encyclopedia of the Economics of Knowledge and Innovation*, Cheltenham, Edward Elgar, 2022 forthcoming.
19. Organizational innovations, ICTs and knowledge governance: The case of platforms, in Bauer, J.M., Latzer, M. (eds.), *Handbook on the Economics of the Internet*, Cheltenham: Edward Elgar, 2016 (with C. Antonelli).
20. Electric cars: will it be boom or another false start? In L. Ciravegna (ed.). *Sustaining Industrial Competitiveness after the Crisis: Lessons from the Automotive Industry*, London: Palgrave, 2012 (with A. Enrietti).
21. Innovation platforms, complexity and the knowledge intensive firm, in M. Dietrich and J. Krafft (eds), *Handbook on the Economics and Theory of the Firm*, Cheltenham: Edward Elgar, 2012.
22. Complexity and the coordination of technological knowledge: The case of innovation platforms, in C. Antonelli (ed), *Handbook on the Economic Complexity of Technological Change*, Cheltenham: Edward Elgar, 2011, pp. 201-220 (with D. Consoli).
23. The economics of knowledge interaction and the changing role of universities, in F. Gallouj, F. Djellal and C. Gallouj (eds.), *The Handbook of Innovation and Services*, Cheltenham: Edward Elgar, 2010, pp. 153-177 (with C. Antonelli and F. Rossi).

24. Transizioni tecnologiche e modelli economici, in Berta, G. (ed.), *La Questione Settentrionale: Economia e Società in Trasformazione*. Milano: Feltrinelli, 2007, pp. 175-228 (with C. Antonelli and F. Quatraro).
25. The economics of information and communication technology, in Donsbach, W. (ed.), *The International Encyclopedia of Communication*. Oxford: Blackwell, 2008, pp. 241-245 (with C. Antonelli and F. Quatraro).
26. Economia della conoscenza, organizzazione e nuove tecnologie dell'informazione e della comunicazione, in Volpato, G. (ed.), *Il Knowledge Management come Strumento Competitivo. Un Confronto Intersettoriale*. Roma: Carocci, 2007, pp. 59-87.
27. Broadband in Italy: Timing in intermodal rivalry, in Fransman, M. (ed.), *Global Broadband Battles: Why the US and Europe Lag Behind While Asia Leads*. Stanford: Stanford University Press, 2007, pp. 219-239 (with C. Antonelli).
28. The production and communication of technological knowledge at the regional level: the European evidence, in Stanford-Smith, B. and Chiozza, E. (eds.), *E-work and E-commerce: Novel Solutions and Practices for a Global Networked Economy (Vol. 1)*, Amsterdam: IOS Press, 2001.
29. Regional systems of innovation and the exchange of knowledge: evidence and issues for policies, in Stanford-Smith, B. and Kidd, P. T. (eds.), *E-Business: Key Issues, Applications, Technologies*, Amsterdam: IOS Press, 2000 (with K. Michoel).

#### **REFEREED WP SERIES**

30. Distributed innovation and the governance of knowledge: An empirical study on technological platforms, *SENTE Working Papers 11/2007, Research Unit for Urban and Regional Development Studies*, University of Tampere (with D. Consoli).
31. The production of scientific knowledge in Italy: Evidence from theoretical, applied and technical sciences, *IUE Working Papers Series: European Forum*, RSCAS WP n° 2006/12, [www.iue.it/RSCAS/Publications](http://www.iue.it/RSCAS/Publications)

#### **WORK IN PROGRESS**

32. Innovation and international performance in the automotive industry: empirical evidence from OECD countries, work in progress (A. Novaresio)

## RESEARCH PROJECTS AND REPORTS

2019-2023	E-CREW - Establishing Community Renewable Energy Webs EU Horizon 2020 Project
2019-2023	COMETS - e Collective Action Models for Energy Transition and Social Innovation EU Horizon 2020 Project
2011-2014	IPER - Incentives Policy for European Research Collegio Carlo Alberto, Moncalieri (TO)
2011- 2014	Policy Incentives for the Creation of Knowledge: Methods and Evidence (PICK-ME), Cooperation Program / Theme 8 / Socio- economic Sciences and Humanities (SSH), of the Collegio Carlo Alberto and of the University of Torino, Grant number 266959.
2009 - 2011	Innovazione e globalizzazione nel settore dell'automotive italiano: caratteristiche, strategie, ed effetti della crisi economica, Progetto di Ricerca di Interesse Nazionale (PRIN), prot. 20089B3CCW_005, Università degli Studi di Torino.
2007 - 2013	Integrated Project EURODITE (Regional Trajectories to the Knowledge Economy: A Dynamic Model). EU 7th Framework Programme Contract no. 006187.
2007 - 2013	Member of DIME network of excellence within the EU 7thFramework Programme.
2007	The economics of network services in Piedmont Research report for the Consortium of Informatics and Services in Piedmont, Torino
2004	Economia della generazione, valorizzazione e disseminazione della conoscenza tecnologica, Progetto di Ricerca di Interesse Nazionale (PRIN), 2004135057_003, Università degli Studi di Torino
2003	Technological knowledge and localised learning: What perspectives for a European Policy? EU Directorate for Research, research contract No. HPSE-CT2001-00051.
2001/2002	HI-RES. Defining the high road of work organisation as a resource for policy makers and social partners European Commission, Competitive and Sustainable Growth Programme
2000/2003	DEEDS. Digital economy: Policy exchange and development

for SMEs  
European Commission, Information Society Technologies  
Programme

- 2000 Information and communication technologies, small and  
medium enterprises and regional policies  
Nomisma Research Report for Italian Union of Chambers of  
Commerce
- 2000 SMEs and the International Competition in Italy and Spain  
Nomisma Research Report for BNL, Roma & BBV, Bilbao
- 1999/2000 Innovation, competition and local development in the Brianza  
region  
Nomisma Research Report for the Monza and Brianza Business  
Association
- 1999 RITTS - Regional Innovation and Technology Transfer  
Strategies and Infrastructure. ADRIEN - The Ferrara Province  
Project, European Commission, DG XIII

Torino, 17 July 2021