

# CURRICULUM VITAE

## PERSONAL INFORMATION

Name

**CAVIGGIOLI, FEDERICO DOMENICO**

Address

**29/5, VIA PORPORA, 10155, TORINO, ITALY**

E-mail

[federico.caviglioli@gmail.com](mailto:federico.caviglioli@gmail.com)

Nationality

Italian

Date of birth

05 / 01 / 1979

Place of birth

TORINO

## ACADEMIC EXPERIENCE:

*(Details in the Annex)*

- Dates (from – to)
- Name of employer
- Occupation or position held
- Main activities and responsibilities

May, 2007 – now

POLITECNICO DI TORINO - Department of Industrial and Management Engineering (DIGEP)

Postdoc research fellow

Teaching:

- Economia Aziendale (2015 - 2016)
- Economia e Organizzazione Aziendale (2014 – 2015)
- Financial Accounting (2013 – 2014)
- Alta Scuola Politecnica: Tutor Summer School of Management and Innovation (2008 – 2014)

Research areas:

- Innovation policy
- Economics of IPRs and in particular innovation through patent data analyses, such as international patent activities, patent transactions and valuation
- Patent data intelligence: Technology landscapes and Patent data analyses (Portfolio Positioning; Industry and Regional Landscape)
- Patent system quality
- Technology forecast

Main projects:

- Finmeccanica Corporate - "IP-L@b": research initiative for the development and application of advanced techniques for patent data intelligence (2012-2015)
- European Commission, DG RESEARCH. "An analysis of the role and engagement of universities with regard to participation in the Framework Programmes" under the Framework Contract: 2012/s 144-240132 (2015)
- European Parliament, DG Internal Policies of the Union. Awarded "Multiple framework research contract for the provision of external expertise in the field of Intellectual Property Rights - Lot 2: Industrial property rights, including patents, trademarks, industrial designs, designations of origin and geographical indications" (2011-2015)
- European Commission, DG MARKT. PatQual Project: Study on the Quality of the European Patent System as perceived by its users (2009-2011)

Additional information in the Annex (Main Publication list, extended track record)

March, 2009 – March, 2010

EUROPEAN PATENT OFFICE – EPO

Collaborative Research on International Patent activities

May, 2007 – 2011

FONDAZIONE ROSSELLI

Research Fellow. Collaboration on national research programmes in the area of the economics of innovation, finance and evaluation of public research institutions.

## OTHER COLLABORATIONS

- Dates (from – to)
- Name of employers

Research and consultancy activities

2007 – 2014

Università Carlo Cattaneo – LIUC

Università degli Studi di Padova

Università degli Studi Roma Tre

Università degli Studi di Torino

Fondazione Human+

• Main activities and responsibilities

Consorzio Gammasservizi  
Data collection and treatment  
Patent data analysis  
Online surveys: draft, dissemination and data collection  
Knowledge base creation  
Reporting  
Teaching

**WORK EXPERIENCE:**

- Dates (from – to)
- Name of employer
- Type of business or sector
- Occupation or position held

May, 2006 – May, 2007  
INDUSTRIAL APPLICATION SOFTWARE S.R.L.  
Consulting and ERP  
Organizational advisor. E.R.P. Development

- Dates (from – to)
- Name of employer
- Type of business or sector
- Occupation or position held

November, 2005 – April, 2006  
ANTICA DITTA MARCHISIO –MATTIOLI  
Gold, Jewels Production  
Organizational consulting. E.R.P. development. Warehouse movements study

- Dates (from – to)
- Name of employer
- Type of business or sector
- Occupation or position held

December, 2004 – October, 2005  
SORMA - ESASOFTWARE S.p.A.  
Consulting and ERP  
Organizational advisor

- Dates (from – to)
- Name of employer
- Type of business or sector
- Occupation or position held

June, 2004 – November, 2004  
UNICREDIT PRIVATE BANKING S.p.A.  
Finance  
Stage in Management and IT, Organization Function

**EDUCATION AND TRAINING**

- Dates (from – to)
- Name and type of organisation
- Title of qualification awarded

January, 2008 – April, 2011  
Università Degli Studi Di Bergamo  
Ph. D in Economics and Management of Technology. Research topic: Understanding patent system through the analyses of patent flows across countries and of patent quality

- Dates (from – to)
- Name and type of organisation
- Title of qualification awarded

September, 1998 – March, 2004  
Politecnico di Torino – University  
Laurea in Ingegneria Gestionale – Graduate: Industrial and Management Engineering

**LANGUAGES**

MOTHER TONGUE

**Italian**

OTHER LANGUAGES

**English**

- Reading skills

Excellent

- Writing skills

Excellent

- Verbal skills

Very Good

**TECHNICAL SKILLS  
AND COMPETENCES**

Statistical software: Stata  
Database analysis and Reporting: MS Office (Excel, Access), SQL  
Online surveys  
Patent Databases (Thomson Innovation, PatStat, EPODoc)  
Softwares for patent/scientific publication intelligence: data mining and text analyses

**ADDITIONAL INFORMATION -  
REFEREES**

L. Buzzacchi, Professor at "Politecnico di Torino"  
G. Scellato, Professor at "Politecnico di Torino"  
R. Filippini, Professor at "Università di Padova"  
A. Nosella, Professor at "Università di Padova"  
C. Franzoni, Assistant Professor at "Politecnico di Milano"  
E. Ughetto, Assistant Professor at "Politecnico di Torino"  
F. Rogo, Group Intellectual Property Manager, Finmeccanica SpA

## ANNEX: PUBLICATION LIST and ACADEMIC ACTIVITIES

### PUBLICATION LIST:

- **ARTICLES:**

Published

1. Cambini, C., Caviggioli, F., and Scellato G. (2016). "Innovation and market regulation: evidence from the European electricity industry", **Industry and Innovation**, Vol. 23(8), pp. 734-752, 2016. <http://dx.doi.org/10.1080/13662716.2016.1206464> .
2. Caviggioli F., (2016) "Technology fusions: identification and analysis of drivers through patent data". **Technovation**, Vol. 55–56, 2016, pp. 22 - 32 <http://dx.doi.org/10.1016/j.technovation.2016.04.003> .
3. Caviggioli F., Ughetto E., (2016) "Buyers in the patent auction market: opening the black box of patent acquisitions by non-practicing entities". **Technological Forecasting & Social Change** Vol. 104, March 2016, pp. 122-132, <http://dx.doi.org/10.1016/j.techfore.2015.11.031>.
4. Caviggioli F., De Marco AM, Rogo F, Scellato G, (2016) "Patenting Strategies and Characteristics of Declared Inventions in the Long Term Evolution Standard", **R&D Management**, Vol. 46, pp. 664–676, <http://dx.doi.org/10.1111/radm.12194> .
5. Agostini, L. and Caviggioli, F. (2015). "R&D collaboration in the automotive innovation environment: an analysis of co-patenting activities", **Management Decision**, Vol. 53 Iss: 6, pp.1224 - 1246. <http://dx.doi.org/10.1108/MD-06-2014-0407> .
6. Agostini L, Caviggioli F, Filippini R, Nosella A (2015). "Does patenting influence SME sales performance? A quantity and quality analysis of patents in Northern Italy", **European Journal of Innovation Management**, 2015 18:2, 238-257.
7. Caviggioli, F., Scellato, G., Ughetto, E. (2013) "International Patent Disputes: Evidence From Oppositions at the European Patent Office", **Research Policy**, Volume 42, Issue 9, November 2013, Pages 1634-1646, DOI: 10.1016/j.respol.2013.06.004.
8. Caviggioli F., Ughetto E. (2013), "The drivers to patent transactions: Corporate views on the market for patents", **R&D Management**, Volume 43, Issue 4, September 2013, Pages: 318–332, DOI: 10.1111/radm.12016.
9. Caviggioli F, (2011) "Foreign applications at the Japan Patent Office - An empirical analysis of selected growth factors", **World Patent Information**, Volume 33, Issue 2, June 2011, Pages 157–167, ISSN 0172-2190, DOI: 10.1016/j.wpi.2010.12.002.

Submitted

10. Caviggioli, F., De Marco, A.M., Scellato, G., Ughetto, E. "Corporate strategies for technology acquisition: evidence from patent transactions", **Management Decision** (Minor revisions).
11. Caviggioli, F., Landoni, P. "Technology adoption effects on corporate reputation: insights from a social media analysis of bitcoin adoption cases", **Research Policy** (Under review)

- **PUBLISHED STUDIES:**

12. Cifollilli A., Colombelli A., Primeri E., Reale E., Scellato G., Bannò M., Caviggioli F., Condello S., De Marco A.M., Spinello A.O., Ughetto E., 2015. "An analysis of the role and engagement of universities with regard to participation in the Framework Programmes". Report for **European Commission, DG Research and Innovation** (doi:10.2777/75945). Available at [http://bookshop.europa.eu/is-bin/INTERSHOP.enfinity/WFS/EU-Bookshop-Site/en\\_GB/-/EUR/ViewPublication-Start?PublicationKey=KI0116395](http://bookshop.europa.eu/is-bin/INTERSHOP.enfinity/WFS/EU-Bookshop-Site/en_GB/-/EUR/ViewPublication-Start?PublicationKey=KI0116395)
13. Scellato, G., Calderini, M., Caviggioli, F., Franzoni, C., Ughetto, E., Kica, E., Rodriguez, V., 2011. "Study on

the quality of the European patent system”. Report for **European Commission, DG Internal Market** (Markt/2009/11/D).

[http://ec.europa.eu/internal\\_market/indprop/docs/patent/patqual02032011\\_en.pdf](http://ec.europa.eu/internal_market/indprop/docs/patent/patqual02032011_en.pdf)

14. Cecchelli, P., Geuna, A., Rossi, F., Bodas Freitas, I., Caviggioli, F., Lawson, C., Riva, M., 2012. Results of the PIEMINV Survey of Patent Inventors in Piedmont – Final Report (IAMAT 2), Fondazione Rosselli, Turin, available online at: [http://www.fondazionerosselli.it/DocumentFolder/Impatto%20Atenei %20Report%20II%20FASE.pdf](http://www.fondazionerosselli.it/DocumentFolder/Impatto%20Atenei%20Report%20II%20FASE.pdf)

#### ● PUBLISHED CHAPTERS OF BOOKS

15. Bodas Freitas, I., Caviggioli, F., Cecchelli, P., Geuna, A., Riva, M., Rossi, F., 2015. “The governance and spatial dynamics of university–industry knowledge transfer”, in “The University and the Economy: Pathways to Growth and Economic Development” (Cheltenham, UK: Edward Elgar Publishing, 2015). ISBN:9781782549482 . eISBN:9781782549499 . DOI:10.4337/9781782549499
16. Bodas Freitas, I., Caviggioli, F., Cecchelli, P., Geuna, A., Riva, M., Rossi, F., 2013. “Le relazioni tra università e imprese: specificità locali e modelli generali di trasferimento tecnologico”, in “L'università e il sistema economico: Conoscenza, progresso tecnologico e crescita” a cura di Geuna, A., Rossi, F. Società editrice il Mulino, 2013.

#### ● CONFERENCE PROCEEDINGS

- 16th International **CINet** Conference. Operating Innovation - Pursuing Innovation Leadership. 13-15 September 2015 – Stockholm, Sweden. Presented working paper: Caviggioli, F. “Technology fusions: Identification and analysis of drivers through patent data”.
- 15th International **CINet** Conference. Operating Innovation - Innovating Operations. 7-9 September 2014 - Budapest, Hungary. Presented working paper: Agostini, L. and Caviggioli, F. “R&D collaboration in the automotive innovation environment: an analysis of co-patenting activities”. ISBN 978-90-77360-17-0
- 9th edition of the International Forum on Knowledge Asset Dynamics (**IFKAD** 2014), in Matera. Knowledge and Management Models for Sustainable Growth. Presented paper: “Unveiling knowledge flows in the automotive innovation environment using patents and citations”. ISBN: 978-88-96687-04-8, ISSN: 2280-787X
- **T2S** 2013. Technology Transfer, Entrepreneurial Activity and Regional Competitiveness. Annual Conference at the University of Bergamo, Italy. November 8-9, 2013. Presented working paper: “Patenting Strategies and Characteristics of Declared Inventions in the Long Term Evolution Standard”.
- 5th **ZEW/MaCCI** Conference on the Economics of Innovation and Patenting Centre for European Economic Research (ZEW) and Mannheim Centre for Competition and Innovation (MaCCI). June 3-4, 2013 at ZEW, Mannheim, Germany. Presented working paper: “Patenting Strategies and Standard Setting Processes in the Telecommunication Industry. Evidence from the LTE Standard”.
- 15th **IAMB** Conference. School of Economics and Management, ISEG (Instituto Superior de Economia e Gestão) and ADVANCE Research Center, Technical University of Lisbon, Portugal. April 17-19, 2013. Presented working paper: “Patented Inventions in Mechanical Small and Medium Enterprises: Does Quality Influence Performances?”.
- 6th Annual Conference of the **EPIP** Association: Fine-Tuning IPR debates. Université libre de Bruxelles, Brussels, Belgium. September 8-9, 2011. Presented working paper: “Understanding patent quality: evidence from patent opposition cases at the European Patent Office”.
- **DRUID-DIME** Academy Winter 2010 PhD Conference January 21 - 23, 2010. Submitted paper: “Patent Extensions: Foreign Applications at the Japan Patent Office”.

- **ACTIVITIES AS REVIEWER**

- International Journal of Management Reviews
- Technovation
- R&D Management
- Technology Analysis and Strategic Management
- Review of Law and Economics
- Science and Public Policy
- European Journal of Law and Economics

## ACTIVITIES:

### 1. POLITECNICO DI TORINO - Department of Industrial and Management Engineering (DIGEP) [2007-now]

#### Teaching:

- Politecnico di Torino: Economia Aziendale (2015 – 2016).
- Politecnico di Torino: Economia e Organizzazione Aziendale (2014 – 2015).
- Politecnico di Torino: Financial Accounting (2013 – 2014). English course.
- Politecnico di Torino: Thesis supervisor (2008 – 2015)
- Alta Scuola Politecnica: Tutor (2008 – 2015)

#### Research areas:

- Innovation policy
- Economics of IPRs
  - International patent activities, patent transactions and valuation
  - Patent data intelligence: Technology landscapes, Portfolio Positioning, Industry and Regional Landscape
  - Patent system quality
- Technology management and forecast

#### Main projects:

- European Commission, DG RESEARCH. “An analysis of the role and engagement of universities with regard to participation in the Framework Programmes” under the Framework Contract: 2012/s 144-240132 (2015)
- Finmeccanica SpA - “IP-L@b”: research initiative for the development and application of advanced techniques for patent data intelligence (2012-2015). Main activities: Project manager, analyst (Patent landscape, Patent evaluation, Semantic analysis).
- European Parliament, DG Internal Policies of the Union. Awarded tender: “Multiple framework research contract for the provision of external expertise in the field of Intellectual Property Rights - Lot 2: Industrial property rights, including patents, trademarks, industrial designs, designations of origin and geographical indications” (2011-2015). Main activities: Tender draft.
- European Commission, DG MARKT. PatQual Project: Study on the Quality of the European Patent System as perceived by its users (2009-2011). Main activities: Tender draft; data collection; survey draft and dissemination; analyst.
- European Commission (CIP). IPEuropAware project (2009 – 2010). Project manager for Politecnico di Torino. Main activities: Project manager; Identification of tools to raise IP awareness; definition of the layout of a IP toolbox; case studies drafting.
- Italian Transport Authority. Informal consultation: reporting on transport industry segments (2014). Main activities: reports on the rail and intermodal segments.
- Collaboration with Chamber of Commerce of Torino (Convenzione Annuale IP Finance: 2013-2014) in the project “Evaluation of intellectual and technological capital: strategy and valorization”, promoted and financed by UnionCamere and the Ministry of Economic Development.
- Collaboration with Chamber of Commerce of Torino (Convenzione Annuale IP Finance: 2009-2012). Main activities: project manager; reporting; studies on regional Intellectual Property Rights; focus on selected industries; support and consultancy to SMEs; policy briefs.
- Provincia di Torino: “B2B : Brevetti-to-Business” (2012). Initiative under the Alcotra project aiming at matching academic patents to firms as potential development and marketing partners. Main activities: identification of patents; interview with inventors.
- Collaboration with Chamber of Milano (Search & Develop: innovazione per le PMI milanesi: 2011). Main activities: project manager; studies on regional Intellectual Property Rights, focus on selected industries.

- IP Finance Institute: competence centre of DIGEP on IP, financing and patent data intelligence (2009-2013). In collaboration with ICM Advisors / ICM Research, consulting company in Torino. Main activities: project manager; analyst.

**2. NATIONAL BUREAU OF ECONOMIC RESEARCH – NBER [2014 – 2015]**

Consultancy activity in the GlobSci project: data organization and dissemination, reporting, data integrity check.

**3. EUROPEAN PATENT OFFICE – EPO [2009 – 2010]**

Collaboration project (March, 2009 – March, 2010): “Research on International Patent activities: Patent Export from Europe, USA, Japan, China, South Korea, India, Brazil, Mexico and Russia”. Research study.

**4. FONDAZIONE ROSSELLI [2007 – 2011]**

Collaboration on national research programmes in the area of the economics of innovation, finance and evaluation of public research institutions (2007 – 2011):

- IAMAT: Evaluation of University impact on Piedmont region
- Piedmont Inventors survey
- Nanomat Project: Innovation and Spillovers in Italian Nanotech firms

**5. OTHER COLLABORATIONS [2007 – 2016]**

Research and consultancy activities. Main activities: Data collection and treatment; Patent data analysis; Online surveys: draft, dissemination and data collection; Knowledge base creation; Reporting; Teaching.

Collaborations with:

- Università Carlo Cattaneo – LIUC
- Università degli Studi di Padova
- Università degli Studi Roma Tre
- Università degli Studi di Torino
- Fondazione Human+
- Consorzio Gammasevizi