



Fondazione
Compagnia
di San Paolo

Francesco Profumo

CURRICULUM VITAE



Francesco Profumo

Main titles, stages and achievements of the scientific and professional career

SCIENTIFIC AND PROFESSIONAL CAREER

- *Savona Association of Engineers*, (1978 to date).
- *Engineer Inspector*, Ferrovie dello Stato, Turin (1978-1979).
- *Design Engineer*, Ansaldo R&D, Genoa, Italy (1979-1985).
- *University Researcher in Electrical Machinery*, Polytechnic of Turin (1985-1991).
- *Visiting Professor*, University of Wisconsin, Madison, USA (1986-1988).
- *Associate Professor of Electrical Machinery and Drives*, Polytechnic of Turin (1991-1994).
- *Full Professor of Electrical Machinery and Drives*, Polytechnic of Turin (1994-1997).
- *Visiting Professor*, Nagasaki University, Japan (1996-1997).
- *Full Professor of Electrical Machines and Drives*, Polytechnic of Turin (1997 to date).
- *Dean of the Faculty of Engineering*, Polytechnic of Turin (2003-2005)
- *Visiting Professor*, Technical University Prague, Czech Republic (2001).
- *Visiting Professor*, University of Cordoba, Argentina (2004 and 2005).
- *Rector*, Polytechnic of Turin (2005-2011).
- *Chairman*, G8 University Summit, Turin (May 2009).
- *Chairman*, CNR (2011-2012).
- *Minister of Education*, University and Research, Italian Republic (2011-2013).
- *Chairman*, European Space Agency (ESA) Council (2012).
- *Chairman*, IREN S.p.a. (Listed company) (2013-2016).
- *Chairman*, ESCP (European School of Commerce Paris) Business School (2014 to date).
- *Chairman*, SAFM (Scuola Alta Formazione Manageriale) Business School (2014 to date).
- *Chairman*, Bruno Kessler Foundation (FBK) (2014 to date).
- *Chairman*, INWIT S.p.a (Listed company) (2015-2017).
- *Chair*, Fondazione Compagnia di San Paolo (2016 to date).
- *Chairman*, ACRI (Associazione delle Fondazioni e Casse di Risparmio Italiane) (2019 to date).



SCIENTIFIC REPUTATION SUMMARY

- *Author of 235 publications in journals and international conference documents* (Quotations: 6,480, H Index = 36, i10-index = 102).
- *PhD thesis supervisor for over 40 students from 10 countries.*
- *Active member of many scientific associations (IEEE, JIEE, IEE, EPE).*
- *Reviser for leading scientific journals in the electrical and electronic engineering sector (IEEE-Transactions on Industry Applications, IEEE-Transactions on Power Electronics, IEEE-Transactions on Industrial Electronics, IEE Proceedings, EPE Journal, JIEE-Transactions on Industry Applications).*
- *Member of the scientific committees of the leading international conferences in his area of research (energy, industrial automation, industrial electronics, electrical machinery and drives, electronic power components).*
- *Senior Member, IEEE (1989 to date).*
- *Member of the Board of Director, IEEE Power Electronics Society (1998-2002).*
- *Secretary, Industrial Drive Committee, IEEE Industry Applications Society (1998-1999).*
- *Chairman, Publication Committee, IEEE Power Electronics Society (1999-2001).*
- *Member of the Board of Director, European Power Electronics (EPE) Association, (1999-2011).*
- *Vice-President, Industrial Drives Committee, IEEE Industry Applications Society - Conferences Chairman (2000-2001).*
- *Vice-President, Industrial Drives Committee, IEEE Industry Applications Society - Transactions Chairman (2002-2003).*
- *Chairman, Industrial Drives Committee, IEEE Industry Applications Society (2004-2005).*
- *Chairman, Committee 09 (Industrial and Information Engineering) of CIVR (2004-2006).*
- *Member, ENI Awards Scientific Committee (2005 to date).*
- *Chairman, Columbus Association (55 European and Latin American Universities) (2006-2011).*
- *Member, Accademia delle Scienze di Torino (2007 to date).*
- *Member, Sapio Research Award Scientific Committee (2009-2015).*
- *Member, Fulbright Best Scientific Committee (2009-2014).*
- *Member, Academia Europea (2010 to date).*

HONOURS

- *Signum Aureum Facultatis Mechanicae, T.U. of Miskolc, Hungary (July 2000).*
- *Honorary Doctor in Engineering, T.U. of Bucarest, Romania (June 2006).*
- *Honorary Doctor in Engineering, T.U. of Riga, Latvia (October 2006).*
- *Honorary Doctor in Engineering, T.U. of Miskolc, Hungary (June 2007).*
- *Honorary Doctor in Engineering, T.U. of Tirana, Albania (October 2009).*
- *Honorary Professorship, University of Cordoba, Argentina (August 2004).*
- *Honorary Professorship, Jiao Tong Xi An University, China (September 2007).*
- *Honorary Professorship, Henan Polytechnic University, China (September 2009).*
- *Honorary Professorship, Tongji University, China (June 2012).*
- *Honorary Professorship, Luoyang University, China (November 2013).*
- *Honorary Doctor in Management, ESCP Europe Business School, France (November 2017).*



AWARDS

- *Second best work award*, IEEE IAS Annual Conference, (USA) (October 1991).
- *Best work award*, IEEE IAS Annual Conference, (USA) (October 1992).
- *Second best work award*, IEEE IAS Annual Conference, (USA) (October 1997).
- *Best work award*, IEEE-IPEC Conference, Niigata, (Japan) (April 2005).
- *Lion d'Or award*, Lions Turin (October 2007).
- *China Awards award*, Italy - China Foundation (March 2009).
- *Certificate of Appreciation award*, Fulbright Commission (May 2009).
- *Orden Universidad Javeriana award*, Javeriana University, (Colombia) (October 2010).
- *Escudo de Oro award*, University of Antioquia, (Colombia) (October 2010).
- *Valdo Fusi award*, Centro Pannunzio (November 2010).

Experience in the management of research and university bodies and organisations

- *Dean*, Faculty of Engineering of the Polytechnic of Turin (2003-2005).
- *Rector*, Polytechnic of Turin (2005-2011).
- *Chairman*, CNR (2011-2012).
- *Minister of Education, University and Research* (2011-2013).
- *Chairman*, Business School ESCP Europe - Turin Campus (2014 to date).
- *Chairman*, SAFM (Scuola Alta Formazione Manageriale) Business School (2014 to date).
- *Chairman*, Bruno Kessler Foundation (2014 to date).

Knowledge of Italian, English and French

MOTHER TONGUE	Italian	
OTHER LANGUAGES	SPOKEN	WRITTEN
ENGLISH	Excellent	Excellent
FRENCH	Good	Good

Experience of research, training and governance of foreign institutions

- *Visiting Professor*, University of Wisconsin - Madison (USA), (1986-1988).
- *Visiting Professor*, University of Nagasaki (Japan), (1996-1997).



- *Visiting Professor*, Technical University Prague (Czech Republic), (2001).
- *Visiting Professor*, University of Cordoba, (Argentina), (2004 and 2005).
- *Member*, PoliTong Campus Management Board (Tongji University, Polytechnic of Turin and Polytechnic of Milan) Shanghai (China) (2006-2011).
- *Chairman*, Tashkent Campus Management Board (Technical University Tashkent, Polytechnic of Turin) Tashkent (Uzbekistan) (2009-2011).
- *Chairman*, EC2 Research Centre Management Board of Tsinghua University (China) (2010-2011).
- *Member*, Board of Directors of the American University of Rome (2014 to date).
- *Chairman*, Board of Directors of ECSP Europe Business School - Turin Campus, member of the Board of Directors of ESCP Europe - Paris, Member of the Advisory Board of ESCP Europe - Paris (2014 to date).
- *Member*, Board of Directors of Institut Euro-Méditerranéen de Technologie (Morocco) (2015 to date).

Experience of evaluating the results of national and international research

- *Chairman*, Polytechnic of Turin Evaluation Commission for Law No. 212 of the Ministry of Foreign Affairs (1994-1996).
- *Chairman*, Polytechnic of Turin Evaluation Commission for Law No. 212 of the Ministry of Foreign Trade (1996-1998).
- *Chairman*, Commission, Evaluator and Advisor, CAMPUS Project, Conference of Italian Rectors (CRUI) (1998 to date).
- *Chairman*, Technical Committee of the Applied Research Project "Research of Innovative Technologies for Electronic Power Convertors Structures to be used in Industrial Automation Systems in order to solve Harmonic Pollution Problems caused by Electromagnetic Interference", Law 46/82, Ministry of University and Research, SIEI Peterlongo (1998-2002).
- *Chairman*, Albania Project for First Degree Courses at the Polytechnic of Tirana (1999-2000).
- *Chairman*, Italian University Engineering Course Evaluation Committee for accreditation purposes, University System Evaluation Observatory (2000).
- *Chairman*, Higher Secondary Schools Evaluation Committee, Piedmont Region Project (2000).
- *Chairman*, Committee 09 (Industrial and Information Engineering) of CIVR (2004-2006).
- *Chairman*, Spanish Research Ministry Evaluation Committee for the following Universities: Polytechnic University of Catalonia, Polytechnic University of Madrid, University of Barcelona, Pompeu Fabra University, University of Santander (2009-2010).

Experience of promoting the technological transfer of research results

- *Member*, Advisory Board, I3P Incubator of the Polytechnic of Turin (2005-2011).
- *Member*, Advisory Board, Innogest Investment Fund (2006-2011).
- *Member*, Advisory Board, Reply (2009-2011).



- *Member*, Evaluation Committee of the *Talento delle Idee* Competition, UniCredit Banca (2009-2011).
- *Member*, Evaluation Committee of the *Working Capital* Competition, Telecom (2010-2011).

Other professional experience

DIRECTOR (ASSOCIATIONS, FOUNDATIONS AND NON-LISTED COMPANIES)

- *Director*, Istituto Superiore Mario Boella, Turin (2005-2011).
- *Director*, Istituto S.I.L., Turin (2005-2011).
- *Director*, Centro per lo Sviluppo delle Materie Plastiche (Alessandria, Italy) (2007-2009).
- *Director*, Turin 2008 World Capital Industrial Design, (2007- 2010).
- *Director*, Turin 2011 (2007-2011).
- *Member*, UniCredit Local Committee (North West) (2007-2011).
- *Director*, COTEC (2008-2011).
- *Director*, IMAST (Naples) (2009-2011).
- *Director*, HuGeF (Compagnia di San Paolo) (2009-2011).
- *Member*, Confindustria Scientific Committee (2010-2011).
- *Director*, Recchi (2011).
- *General Council Director*, IIT (2014 to date).
- *Director*, Fondazione Agnelli (2014 to date).
- *Director*, Ennova (2016 to date).

DIRECTOR (LISTED COMPANIES)

- *Director*, Fidia S.p.a. (2006-2016).
- *Director*, Il Sole 24 Ore (2007-2009).
- *Director*, UniCredit Private Banking (2008-2011).
- *Director*, Pirelli (2011).
- *Director*, Telecom (2011).
- *Director*, Aquafil (2018 to date).

Summary of professional experience and skills gained

As shown in the curriculum vitae, my scientific and professional career can be condensed into four experiences:

EXPERIENCE 1 *Researcher* (1979-2003)

I have carried out research in private companies (Ansaldo R&D 1979-1985) and public organisations (Polytechnic of Turin (1985-1994 and 1997 to date) and University of Bologna (1994-1997), with periods of residence abroad in leading Universities in the United States, Japan, South America and Europe (University of Wisconsin Madison (1986-1988), Nagasaki University (1996-1997), Prague Technical University (2001) and Cordoba University (2004 and 2005).



EXPERIENCE 2
*Manager of Research
and Training Establishments
in Turin (2003-2011)*

I have been *Dean* of the Faculty of Engineering, Polytechnic of Turin (2003-2005) and *Rector*, Polytechnic of Turin (2005-2011).

EXPERIENCE 3
*Manager of Research
and Training Establishments
at National level (2011-2013)*

I was *Chairman*, CNR (2011-2012), *Ministry of Education, University and Research* (2011-2013).

EXPERIENCE 4
*Manager of Research and Training
Establishments, Foundations and
Listed Companies (2013 to date)*

Chairman, IREN S.p.a. (*listed company*) (2013-2016), *Chairman*, ESCP Business School (2014 to date), *Chairman*, SAFM Business School (2014 to date), *Chairman*, Bruno Kessler Foundation (2014 to date), *Chairman*, INWIT S.p.a. (*listed company*) (2015-2017 and *Chairman*, Compagnia di San Paolo (2016 to date).

My multiple experiences have allowed me to gain skills in the management of complex organisations and to build a wide and diversified network of relationships at local, national and international level, in the scientific, institutional, relational and industrial fields. I would like to emphasize that over the years I have always been very active in the scientific community, both nationally and internationally, through my activity as a University Professor.

My experiences as a Manager of Research and Training Establishments, Foundations and listed companies have allowed me to tackle medium-term strategy problems for the management of complex organisations, with solutions that have become good practices in Italy.

POLYTECHNIC OF TURIN

The aim of the *Strategic Plans (2006-2009) and (2010-2013)* was to create a *new University model with sustainable and transparent multi-year planning* of financial resources for management (ordinary and extraordinary), personnel and construction, aimed at *transforming* the Polytechnic of Turin into a modern University with a new Campus (the Cittadella Politecnica), *managed with adequate tools* (ERP, management control and evaluation) and able to compete with leading European Universities in research and training. *Results achieved*: the Polytechnic of Turin achieved its planned aims and ranks among the best universities according to the Italian University and Research Evaluation Agency (ANVUR). It is also among the top seven Technical Universities in Europe.

MINISTRY OF EDUCATION,
UNIVERSITY AND RESEARCH

The planning objectives presented to the Italian Chamber of Deputies and Senate in February 2012 envisaged work being done on the *Ministry's procedures* regarding University autonomy, to make *the research and training system of Italian Universities* more *modern, open, transparent, competitive, assessable and attractive*, particularly for Italian and foreign lecturers. *Results achieved*: the Ministry achieved its planned aims and has become a European benchmark for the autonomous management of Universities.

BRUNO KESSLER
FOUNDATION

The aim of the *Strategic Plans (2014-2017) and (2017-2027)* was to use a *Research Body*, which is a private Foundation (60% funded by the Autonomous Province of Trento), to test a model of autonomy for Public Universities, improve the management model of the Body and focus the Foundation on artificial intelligence, in terms of research, tertiary training and innovation. *Results achieved*: the Bruno Kessler Foundation achieved the planned aims and is among the top Italian Research Bodies according to ANVUR.



FONDAZIONE COMPAGNIA DI SAN PAOLO

The aim of the *Strategic Plan (2014-2020)* was to transform the *Foundation into a knowledge and skills hub (Compagnia di San Paolo Group)*, with disbursements managed by *blending (diversified financial instruments)*. The *Foundation* was reorganised according to the 17 Goals of the UN's 2030 Agenda, allowing the over 300 indicators in the Agenda also to be used to assess the impact of its Projects (around 1,000 a year) on the 3 Goals: People, Culture and Planet.

Results achieved: CSP achieved its planned aims over the four years (2017-2020) and disbursed EUR 720,000,000 (20% more than budgeted, funding around 4,000 projects), including the forecast for 2020. During the same period, it increased its equity by 520,000,000 euros, which is 60% more than required by the law.

ESCP BUSINESS SCHOOL

The aim of the *Strategic Plan (2015-2018)* was to improve the reputation of the Turin Campus, increasing the number of students and launching the Project for a *new Europe-Turin ESCP Campus* for around 1,000 students. *Results achieved:* the Turin Campus achieved the planned aims and now offers a full academic programme (*bachelor, masters and executive masters*), student numbers have grown from around 200 (2014) to over 500 (2019), over 50% of whom are from other Italian regions and overseas. In 2018, *ESCP Europe* was recognised as a *Foreign University in Italy*. Finally, in 2020 the selection of proposals was completed for the new *Europe-Turin ESCP Campus*, which will be built in the city centre and provide sufficient space to accommodate over 1,000 students and facilities up to the standard of the best European Universities.

IREN

The aim of the *Business Plan (2013-2016)* was to complete the *integration process* of the three regional organisations (Piedmont, Liguria and Emilia), boost the rate of *innovation* in the company's fields of operation (energy, water supply, gas and environment), and increase the company's turnover and profit. *Results achieved:* IREN achieved the planned aims, with a new integrated and modern corporate structure, a level of innovation equal to the best Italian multi-utilities and higher than expected results in terms of income and profit.

Personal details

I consent to the processing of personal data contained in this Curriculum Vitae pursuant to the GDPR 2016/679 and to the dissemination of the same through the website and the social media channels of Compagnia di San Paolo for reasons of transparency related to my office.

Turin, February 26th, 2020

Prof. Francesco Profumo