

PERSONAL INFORMATION

Surname	<b>De Marco</b>
Name	<b>Antonio</b>
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E-mail	<b>antonio.demarco@polito.it</b>
Skype	<b>antoniomatteo.demarco</b>
Nationality	<b>Italian</b>
Date of birth	<b>08-10-1984</b>

Work experience, stages,  
studies abroad

- Date (from – to) From 03-07-2017 to present date
  - Name and address of the firm/university **Politecnico di Torino, Department of Management and Production Engineering (DIGEP), Interuniversity Department of Regional and Urban Studies and Planning (DIST)**
  - Type of business or sector Education and research
    - Type of employment Post-doctoral research fellow
    - Main activities and responsibilities Econometric modelling, design and implementation of algorithms for automated data collection, semantic and bibliometric analysis
  
- Date (from – to) From 15-10-2015 to 15-02-2016
  - Name and address of the firm/university **École Polytechnique Fédérale de Lausanne (EPFL), Institute of Technology and Public Policy (ITPP)**
  - Type of business or sector Education and research
    - Type of employment Visiting fellow
    - Main activities and responsibilities Patent data collection and treatment, computation of descriptive statistics, econometric modelling
  
- Date (from – to) From 16-05-2012 to 15-05-2017
  - Name and address of the firm/university **Politecnico di Torino, Department of Management and Production Engineering (DIGEP), Research Support and Technology Transfer Area (TRIN)**
  - Type of business or sector Education and research
    - Type of employment Research fellow
    - Main activities and responsibilities Econometric modelling, design and implementation of algorithms for automated data collection, semantic and bibliometric analysis
  
- Date (from – to) From 23-07-2012 to 27-07-2012, from 22-07-2013 to 26-07-2013, from 01-09-2014 to 05-09-2014, from 09-03-2015 to 13-03-2015, from 14-03-2016 to 18-03-2016, from 13-03-2017 to 17-03-2017
  - Name and address of the firm/university **Alta Scuola Politecnica (ASP)**
  - Type of business or sector Education
    - Type of employment Independent contractor
    - Main activities and responsibilities Academic tutoring on management of innovation, use of intellectual property rights and business plan development

- Date (from – to) From 16-05-2013 to 15-05-2014
- Name and address of the firm/university **Collegio Carlo Alberto**
- Type of business or sector Education and research
  - Type of employment Independent contractor
  - Main activities and responsibilities Patent and macroeconomic data collection and subsequent consolidation at the regional area level
- Date (from – to) From 04-12-2013 to present date
- Name and address of the firm/university **Naboomboo**
- Type of business or sector Education
  - Type of employment Co-founder and CIO
  - Main activities and responsibilities Technological planning, software development, business modelling, design of ergonomics and user experience, construction and implementation of algorithms

## Education and training

- Date (from – to) From 28-11-2013 to 19-05-2017
- Name and type of organisation providing education and training University of Torino, Collegio Carlo Alberto
- Duration of the study program 3 years
  - Principal subjects Microeconomic theory, empirical industrial organization, general equilibrium theory, dynamic macroeconomics, python, agent-based models, applied economics, econometric theory
- Title of qualification awarded Doctoral degree
- Date (from – to) From 22-11-2016 to 22-11-2016
- Name and type of organisation providing education and training Istituto di Ricerca sulla Crescita Economica Sostenibile (ICRES), Consiglio Nazionale delle Ricerche (CNR)
- Duration of the study program 1 day
  - Principal subjects Patent transactions, markets for technology
- Date (from – to) From 15-09-2016 to 16-09-2016
- Name and type of organisation providing education and training University of Torino, Collegio Carlo Alberto, Bureau of Research on Innovation Complexity and Knowledge (BRICK)
- Duration of the study program 2 days
  - Principal subjects Economics of science and innovation, entrepreneurship and R&D policy
- Title of qualification awarded Certificate of attendance
- Date (from – to) From 06-07-2016 to 08-07-2016
- Name and type of organisation providing education and training International Joseph Alois Schumpeter Society (ISS)
- Duration of the study program 3 days
  - Principal subjects Economics of innovation and knowledge, management of ideas and creativity, behavioral economics

<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> </ul>	<p><b>Annual ZEW Doctoral Workshop</b>  From 08-06-2016 to 09-06-2016  Centre for European Economic Research (ZEW)</p> <p>2 days  Markets for technology, innovation management, sources of knowledge and spillovers</p>
<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> </ul>	<p><b>Sixteenth International CINET Conference on Innovation Leadership</b>  From 13-09-2015 to 15-09-2015  Royal Institute of Technology (KTH)</p> <p>3 days  Entrepreneurship, knowledge and learning, management of ideas and creativity</p>
<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> </ul>	<p><b>FINKT Conference on Knowledge transfer and Entrepreneurship</b>  From 16-04-2015 to 17-04-2015  University of Bologna, Università Commerciale Luigi Bocconi</p> <p>2 days  Public research and knowledge transfer, the role of universities in supporting innovation</p>
<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> <li>• Title of qualification awarded</li> </ul>	<p><b>Summer School on Introductory Econometrics</b>  From 16-06-2014 to 21-06-2014  Centro Interuniversitario di Econometria (CIDE)</p> <p>1 week  Linear regression, simultaneous equations, maximum likelihood  Certificate of attendance</p>
<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> </ul>	<p><b>T2S Conference on Technology Transfer, Entrepreneurial Activity and Regional Competitiveness</b>  From 08-11-2013 to 09-11-2013  University of Bergamo</p> <p>2 days  Global innovation systems, resource-based technology transfer, intellectual property</p>
<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> </ul>	<p><b>Summer School on Knowledge Dynamics, Industry Evolution and Economic Development</b>  From 08-07-2013 to 12-07-2013  University of Nice Sophia Antipolis, Centre National de la Recherche Scientifique (CNRS)</p> <p>1 week  Emergence and persistence of innovation, agglomeration of industrial activities</p>
<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> <li>• Title of qualification awarded</li> </ul>	<p><b>Summer School on Economics and Strategic Management of Intellectual Property</b>  From 10-06-2013 to 14-06-2013  University of Bologna, Università Commerciale Luigi Bocconi</p> <p>1 week  Strategic management of intellectual property, economic analysis of patents  Certificate of attendance</p>

<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> </ul>	<p><b>Fifth ZEW-MACCI Conference on the Economics of Innovation and Patenting</b>  From 02-06-2013 to 04-06-2013  Mannheim Centre for Competition and Innovation (MACCI), Centre for European Economic Research (ZEW)  3 days  Intellectual property right strategies, sources of knowledge and spillovers, standards and innovation, science-industry linkages</p>
<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>• Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> <li>• Title of qualification awarded <ul style="list-style-type: none"> <li>• Final mark obtained</li> </ul> </li> </ul>	<p><b>Management Engineering</b>  From 2007 to 2012  Politecnico di Torino  2 years  Corporate finance, game theory, industrial economics, descriptive and inferential statistics, quality and risk management  Master's degree  102/110</p>
<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> <li>• Title of qualification awarded</li> </ul>	<p><b>Industrial Production Engineering</b>  From 2002 to 2006  Pôle Universitaire Léonard de Vinci of Paris  4 years  Industrial accounting, project management, mathematical finance, production logistics, innovation and product development  Double degree and master</p>
<ul style="list-style-type: none"> <li>• Date (from – to)</li> <li>• Name and type of organisation providing education and training</li> <li>Duration of the study program <ul style="list-style-type: none"> <li>• Principal subjects</li> </ul> </li> <li>• Title of qualification awarded <ul style="list-style-type: none"> <li>• Final mark obtained</li> </ul> </li> </ul>	<p><b>Industrial Production Engineering</b>  From 2002 to 2005  Politecnico di Torino  3 years  Business economics, operational research, classical mechanics, computer science, databases and operating systems, industrial plants, production management  Bachelor's degree  102/110</p>

## Publications and articles

Title Authors Language Publication place DOI	<p><b>Global Markets for Technology: Evidence from Patent Transactions</b>  Federico Caviggioli, Antonio De Marco, Giuseppe Scellato, Elisa Ughetto  English  Published on the journal Research Policy  Forthcoming</p>
Title Authors Language Publication place DOI	<p><b>Corporate Strategies for Technology Acquisition: Evidence from Patent Transactions</b>  Federico Caviggioli, Antonio De Marco, Giuseppe Scellato, Elisa Ughetto  English  Published on the journal Management Decision  10.1108/MD-04-2016-0220</p>

Title	<b>Patenting Strategies and Characteristics of Declared Inventions in the Long Term Evolution Standard</b>
Authors	Federico Caviggioli, Antonio De Marco, Giuseppe Scellato, Francesco Rogo
Language	English
Publication place	Published on the journal R&D Management
DOI	10.1111/RADM.12194
Title	<b>Trasferimento Tecnologico ed Attività di Ricerca Collaborativa nell'Ambito dei Progetti Europei</b>
Authors	Antonio De Marco, Shiva Loccisano, Giuseppe Scellato
Language	Italian
Publication place	Published as chapter in the XIII Rapporto Netval sulla Valorizzazione della Ricerca Pubblica Italiana
ISBN	978-88-4674-494-4
Title	<b>L'Attività Brevettuale degli Atenei Italiani: Analisi delle Collaborazioni e della Specializzazione Tecnologica</b>
Authors	Antonio De Marco, Shiva Loccisano, Giuseppe Scellato
Language	Italian
Publication place	Published as chapter in the XII Rapporto Netval sulla Valorizzazione della Ricerca Pubblica Italiana
ISBN	978-88-6650-459-8
Title	<b>How Venture Capitalists Evaluate Continuous Innovation: Empirical Evidence on Technology-Based Start-up Patent Portfolio</b>
Authors	Federico Caviggioli, Alessandra Colombelli, Antonio De Marco, Emilio Paolucci
Language	English
Publication place	Presented at the Sixteenth CINet Conference on Innovation Leadership

## Graduation thesis

Title	<b>The state of competition in the de-regulated electrical power industry: an empirical analysis of the Italian market</b>
Supervisor	Luigi Buzzacchi
Thesis summary	The gradual implementation of merit-order dispatch criteria for consumption and supply units into an organized trading system is a crucial step towards the establishment of domestic wholesale spot electricity markets. However, de-regulation has triggered a number of drawbacks: prior to reform, tariffs were based on production, transmission and distribution costs whereas liberalization programs have amplified price volatility. The Italian power exchange has been divided in two national macro-zones due to limited transmission capacity and large differences of prices and firm concentration. Strategic generators participate to auctions like distinct entities whereas minor suppliers constitute the competitive fringe. Cournot and Stackelberg non-cooperative games are respectively the best-fitting oligopolistic model for northern and southern areas according to coefficients of determination under the postulate of complete information among firms and exogenously located production facilities.

## Certifications

Certifications of language knowledge	First Certificate in English (FCE), December 2006, B
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Mother tongue

**Italian**

Other languages

- reading
- writing
- speaking

**English**

Excellent  
Excellent  
Good

**French**

- reading
- writing
- speaking

Excellent  
Excellent  
Good

### Organisational skills and competences

*Coordination and management of people, projects and budgets; at work and at home, etc.*

Self-reliance and **leadership**  
Capable of **focus** and prioritization  
Supportive of positive **criticism**

### Technical skills and competences

*With computers, specific kinds of equipment, machinery, etc.*

Advanced use of several **operating systems** (microsoft windows; mac osx)  
Excellent knowledge of different **software applications** (stata; microsoft office: word, excel, access, powerpoint, project, visio; microsoft visual studio, adobe creative suite)  
In-depth understanding of **advanced statistical** and **econometric techniques** (OLS, probit, logit, poisson, negative binomial, differences-in-differences, propensity score matching)  
Experienced with the use of **patent** and **scientific publication databases** (datastream; thomson innovation; orbit; patsnap; espacenet; patstat; regpat; scopus; scimago; web of science)  
Highly skilled in various **programming-markup languages** and **frameworks** (python; visual basic; javascript; angularjs; php; mysql; mongodb; html; sass, latex)

### Relational skills and competences

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential, etc.*

Trained to fit in **multicultural** teams, sensitive to diversity  
Problem-solving, communicative and **detail-oriented** attitude  
Experienced with **dispute resolution** and conflict management  
Able to establish and maintain balanced **human relations** with colleagues  
Skilled to achieve and deliver **results** on various projects under narrow deadlines

### Artistic skills and competences

*Music, writing, drawing, etc.*

Able to play **guitar** and **piano**

### Other skills and competences

*Competences not mentioned above*

Passionate about **technological development**, cinema, musical instruments, photography