

# Antonio De Marco, Ph.D.

*Curriculum Vitae et Studiorum*

## Personal info

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## Short bio

Antonio De Marco is Assistant Professor at the Interuniversity Department of Regional and Urban Studies and Planning (DIST) of Politecnico di Torino, holds a Ph.D. in Economics and Complexity at Collegio Carlo Alberto and a M.Sc. in Management Engineering at Politecnico di Torino. He contributed to several research projects funded by the European Patent Office, the Joint Research Center, and the European Commission.

His research interests are in the areas of the economics of innovation, the markets for technology, the management of intellectual property rights, and the economics of technical standards. Such topics are investigated with an empirical perspective and micro-econometric techniques. His scientific works have been published in refereed international journals such as *Research Policy*, *Technological Forecasting and Social Change*, *Economics of Innovation and New Technology*, and the *Journal of Technology Transfer*.

## Work experience

2021–2024	<b>Assistant Professor</b> , <i>Interuniversity Department of Regional and Urban Studies and Planning (DIST), Politecnico di Torino</i>
2018–2021	<b>Assistant Professor</b> , <i>Department of Management and Production Engineering (DIGEP) and Future Urban Legacy Lab (FULL), Politecnico di Torino</i>
2017–2018	<b>Post-doctoral Research Fellow</b> , <i>Department of Management and Production Engineering (DIGEP) and Interuniversity Department of Regional and Urban Studies and Planning (DIST), Politecnico di Torino</i>
2015–2016	<b>Visiting Fellow</b> , <i>Institute of Technology and Public Policy (ITPP), École Polytechnique Fédérale de Lausanne</i>
2012–2017	<b>Research Fellow</b> , <i>Department of Management and Production Engineering (DIGEP) and Research Support and Technology Transfer Area (TRIN), Politecnico di Torino</i>
2013–2014	<b>Research Assistant</b> , <i>Collegio Carlo Alberto</i>
2012–2019	<b>Tutor</b> , <i>Alta Scuola Politecnica</i>

## Education

2013–2017	<b>Vilfredo Pareto Doctorate in Economics and Complexity</b> , <i>Collegio Carlo Alberto</i>
2007–2012	<b>Master's Degree in Management Engineering</b> , <i>Politecnico di Torino</i>

## Teaching

- 2019–2021 **Economics and Business Organization**, *Politecnico di Torino*  
2018–2021 **Urban Economics**, *Politecnico di Torino*

## Research projects

- 2018–2020 **University research funding, patenting and technological impact**, *European Patent Office*  
2018–2019 **Investigating the capabilities and the competitiveness of the EU vis-à-vis its main competitors in developing civil technologies with critical spillovers to the defence sector**, *Joint Research Center, European Commission*  
2017–2018 **Assessing the innovation capability of EU companies in developing dual-use technologies**, *Joint Research Center, European Commission*  
2015–2016 **An analysis of the role and engagement of universities with regard to participation in the Framework Programmes**, *Directorate General for Research and Innovation, European Commission*  
2012–2016 **Intellectual Property Lab**, *Finmeccanica*

## Conferences

- 2021 **Techspace Workshop on Advancing Indicators of Regional Structural Change**, *University of Bremen and Friedrich-Schiller University of Jena and Leibniz University of Hannover, Jena, Germany*  
2018 **ERSA Congress on Places for People: Innovative, Inclusive and liveable Regions**, *European Regional Science Association, Cork, Ireland*  
**Schumpeter Conference on Innovation, Catch-up, and Sustainable Development**, *International Joseph Alois Schumpeter Society, Seoul, South Korea*  
2016 **Meeting of the European Network on the Economics of the Firm**, *Università di Torino and Collegio Carlo Alberto, Moncalieri, Italy*  
**Schumpeter Conference on Evolutionary Economics**, *International Joseph Alois Schumpeter Society, Montréal, Canada*  
2015 **International CINET Conference on Innovation Leadership**, *Royal Institute of Technology, Stockholm, Sweden*  
**FINKT Conference on Knowledge transfer and Entrepreneurship**, *Università di Bologna and Università Commerciale Luigi Bocconi, Rimini, Italy*  
2013 **ZEW-MACCI Conference on the Economics of Innovation and Patenting**, *Centre for European Economic Research, Mannheim, Germany*  
**T2S Conference on Technology Transfer, Entrepreneurial Activity and Regional Competitiveness**, *Technology Transfer Society, Bergamo, Italy*

## Training courses

- 2018 **Introduction to Spatial Econometrics using Stata**, *Tstat, Roma, Italy*  
2014 **Introductory Econometrics**, *Centro Interuniversitario di Econometria, Bertinoro, Italy*  
2013 **Economics and Strategic Management of Intellectual Property**, *Università di Bologna and Università Commerciale Luigi Bocconi, Bologna, Italy*  
**Knowledge Dynamics, Industry Evolution and Economic Development**, *Université de Nice Sophia Antipolis and Centre National de la Recherche Scientifique, Nice, France*

## Awards

2018 | **Bernardo Nobile Prize**, *Area Science Park*

## Scientific publications

- 2022 | Caviggioli, F., De Marco, A., Gkotsis, P., Scellato, G., and Vezzani, A. Dual use inventions: identification and characterization using patent data. *Economics of Innovation and New Technology*
- Caviggioli, F., Colombelli, A., De Marco, A., Scellato, G., and Ughetto, E. Co-evolution patterns of university patenting and technological specialization in European regions. *The Journal of Technology Transfer*
- 2021 | Colombelli, A., De Marco, A., Paolucci, E., Ricci, R., and Scellato, G. University technology transfer and the evolution of regional specialization: the case of Turin. *The Journal of Technology Transfer*, 46(4):933–960
- 2020 | Caviggioli, F., De Marco, A., Montobbio, F., and Ughetto, E. The licensing and selling of inventions by US universities. *Technological Forecasting and Social Change*, 159:120189
- Caviggioli, F., Colombelli, A., De Marco, A., and Paolucci, E. How venture capitalists evaluate young innovative company patent portfolios: empirical evidence from Europe. *International Journal of Entrepreneurial Behavior & Research*, 26(4):695–721
- 2017 | De Marco, A., Scellato, G., Ughetto, E., and Caviggioli, F. Global markets for technology: evidence from patent transactions. *Research Policy*, 46(9):1644–1654
- Caviggioli, F., De Marco, A., Scellato, G., and Ughetto, E. Corporate strategies for technology acquisition: evidence from patent transactions. *Management Decision*, 55(6):1163–1181
- 2016 | Caviggioli, F., De Marco, A., Rogo, F., and Scellato, G. Patenting strategies and characteristics of declared inventions in the Long Term Evolution standard. *R&D Management*, 46(2):664–676

## Reports

- 2020 | Caviggioli, F., De Marco, A., and Scellato, G. Investigating the capabilities and the competitiveness of the EU vis-à-vis its main competitors in developing civilian technologies with critical spillovers into the defence.
- 2018 | Caviggioli, F., De Marco, A., and Scellato, G. Assessing the innovation capability of EU companies in developing dual use technologies.
- 2016 | Ciffolilli, A., Colombelli, A., Primeri, E., Reale, E., Scellato, G., Bannò, M., Caviggioli, F., Condello, S., De Marco, A., Spinello, A. O., and Ughetto, E. An analysis of the role and engagement of universities with regard to participation in the Framework Programmes.
- De Marco, A., Loccisano, S., and Scellato, G. Trasferimento tecnologico ed attività di ricerca collaborativa nell’ambito dei progetti europei. In Ramaciotti, L. and Daniele, C., editors, *XIII Rapporto Netval sulla Valorizzazione della Ricerca Pubblica Italiana*
- 2015 | De Marco, A., Loccisano, S., and Scellato, G. L’attività brevettuale degli atenei italiani: analisi delle collaborazioni e della specializzazione tecnologica. In Ramaciotti, L. and Daniele, C., editors, *XII Rapporto Netval sulla Valorizzazione della Ricerca Pubblica Italiana*

## Working papers

Battaglia, D., Caviggioli, F., and De Marco, A. Global versus local star inventors: human capital and firm innovation activities.

Buzzacchi, L., De Marco, A., and Pagnini, M. Agglomeration and the Italian north-south divide.

Buzzacchi, L., De Marco, A., Governa, F., and Salone, C. Shifting the triangle: density and economic performances into the spatial differentiation of northern Italy.

Caviggioli, F., Colombelli, A., De Marco, A., Scellato, G., and Ughetto, E. The impact of university patenting on the technological specialization of European regions: a technology-level analysis.

Colombelli, A., D'Amico, E., and De Marco, A. Regional branching and artificial intelligence: an empirical analysis of technological specialization in Italian provinces.

De Marco, A., Fontana, F., Scellato, G., and Ughetto, E. Finance, technology, and markets: pricing intangible assets and evaluating firms market value through venture capital investments.

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