PERSONAL INFORMATION

Emilio Barucci

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web site: https://www.mate.polimi.it/qfinlab/

Date of birth 30/04/1968 | Nationality italian

Full professor of Financial Mathematics, Department of Mathematics, Politecnico di Milano.

ACADEMIC EXPERIENCE

May 2005-

Politecnico di Milano, Department of Mathematics.

Full Professor of Financial Mathematics.

November 1998-April 2005

University of Pisa, Department of Statistics and Mathematics.

Associate Professor (1998-2001) and full Professor (2001-2005) of Financial mathematics.

November 1993-October 1998

University of Florence, Department of Mathematics for economic decisions. Researcher.

He taught financial courses at masters in finance at the University of Pisa, Siena, Roma II, LUISS.

EDUCATION

1986-1991 University of Florence, Faculty of Economics, Business and Management. Laurea in Economics and Business: 110 e lode/110.

1991-1993 Phd student in Economics, University of Siena, Firenze and Pisa.

1992-1993 Visiting student at London School of Economics.

PERSONAL COMPETENCIES

Mother tongue: Italian

Other languages

	COMPREHENSION		SPOKEN		WRITTEN
	listening	reading	interaction	oral expression	
ENGLISH	Excellent	Excellent	Excellent	Excellent	Excellent
FRENCH	Good	Good	good	good	Good

Organizational and managerial experience

- 2005- : Director of the Quantitative Finance Group of the Department of Mathematics, Politecnico di Milano (five researchers, four Phd students, two post doc students). He founded the group, he projected the undergraduate/graduate program in Financial Engineering (40 students).
- 2014-: Founder and coordinator of the web site on capital markets, financial intermediation and regulation www.finriskalert.it (editorial board of ten people, weekly newsletter with 1.500 subscribers).
- 2010- : Director of the post graduate course on Quantitative Finance, MIP-Politecnico di Milano (12-th edition).
- 2018- : Director of the master course on Fintech, MIP-Politecnico di Milano (third edition).
- 2011- : Director of the QFinLab, Nicola Bruti Liberati Quantitative Finance Lab-Politecnico di Milano.
- Coordinator of the project EduFin@Politecnico di Milano aiming to boost financial education in Italy through several actions: Mooc on financial education (first in the Italian language with more than 5.000 , www.pok.polimi.it), competition/innovative teaching for students of high schools (up to now more than 2.000 students have been involved), website on financial education www.imparalafinanza.it.
- 2019-2021: Coordinator of the Italian unit of the European project Fintech-H02020: seminars on Fintech for regulatory authorities (CONSOB).
- 2020- : coordinator of the EMFI project, financial tools on the blockchain Algorand technology in cooperation with CEFRIEL, Università di Sterling, Comune Milano.
- 2011- : In cooperation with the Bachelier Society (main Quantiattive Finance association in the world), the Department of Mathematics promoted the international Bruti Liberati prize for the best Phd thesis on quantitative finance worldwide.
- 2022-: building of a database on governance/ESG information for companies listed in the Italian market (http://www.esgcorporatedata.com/ under construction).
- 2000- : Founder of the Italian Quantitative Finance workshop (reference scientific initiative in the Italian community).
- 2015-2019: Member of the management committee of the Department.
- 2011- 2013: Scientific coordinator of Fondazione Di Vittorio (CGIL trade unions).
- 2008- 2019: Founder and coordinator of the web site on economic policy topics www.nelmerito.com (editorial board of thirty people).
- 1999-2003: Coordinator of the Phd in Mathematics for Economic Decisions, University of Pisa.

Professional experience

- 2007- 2021: independent director of the Aviva group in Italy (sixth in Italy). Member of the audit committee of the risk and of the remuneration committee, chairman of the risk committee. Chairman of the board of risk committee.
- 2016-: independent director of Dea Capital Alternative Funds sgr (one of the largest Italian private equity fund).
- 2017-: Appointed by the President of the Italian Republic expert of the Consiglio Nazionale dell'Economia e del Lavoro (CNEL).
- Collaborator with Altroconsumo (the main consumer association in Italy) in developing the MOOC on financial education in Italy.
- Expert for the court and for litigations on financial products.
- Co-leader of a project of Consob (financial market supervision authority) on Fintech (Distributed ledger technology and security markets),

OTHER INFORMATION

- 1992-1993: Borsa di Studio (grant) G. Mortara by Bank of Italy.
- He answered to consultation documents on regulation (Consob, BIS, European authorities)
- He is a columnist for Avvenire. Previously he was a columnist for La Repubblica (Florence edition), L'Unità and Europa.
- He has delivered seminars in more than fifty universities, financial institutions, regulatory authorities.
- He acted as referee for more than therty scientific journals.
- He holds a blog on www.huffingtonpost.it: https://www.huffingtonpost.it/author/emilio-barucci/.
  QFinLab cooperates with the web site for a Fintech section: https://www.huffingtonpost.it/news/fintech/

SCIENTIFIC PUBLICATIONS

Research topics: finance, financial intermediation, asset management, financial stability, fintech, financial education, corporate governance, privatizations, macroeconomics, ESG themes

Volumes

1. E.Barucci, Who will save finance? EGEA 2020
2. E. Barucci, Chi salverà la finanza? A dieci anni di distanza l'etica non basta, EGEA, 2018.
3. E. Barucci, C. Fontana Financial Markets Theory, Springer&Finance, second edition, 2017.
4. E. Barucci e M. Messori (eds.), Towards the European Banking Union, Passigli Editore, 2014.
5. E. Barucci, C. De Vincenti e M. Grillo (ed), Idee per l'Italia. Mercato e Stato, Brioschi 2010.
6. E. Barucci e F. Pierobon, Stato e mercato nella seconda repubblica, Il Mulino, 2010.
7. E. Barucci e M. Messori (eds.), Oltre lo shock, EGEA editore, 2009.
8. E. Barucci, C. Marsala, M. Nencini, C. Sgarra, Ingegneria finanziaria, EGEA editore, 2009.
9. E. Barucci e F. Pierobon Le privatizzazioni in Italia, Carocci Editore, 2007.
10. E. Barucci, Mercato dei capitali e corporate governance in Italia, Carocci Editore, 2006.
11. E. Barucci, Financial Markets Theory, Springer&Finance, 2003. Chinese edition in 2006.
12. E. Barucci, Teoria dei Mercati Finanziari: Equilibrio, Efficienza, Informazione. Il Mulino, 2000.

Most recent selected publications

1. E. Barucci, M. Bonollo, E. Rroji, F. Poli, A machine learning algorithm for stock picking based on information outliers, Expert Systems with Applications, 184, 2021.
2. E. Barucci, P. Dindo, F. Grassetti, Portfolio insurers and constant weight traders: who will sruvive? Quantitative Finance, 2021.
3. M. Azzone, E. Barucci, G. Giuffra, D. Marazzina, A machine learning model for lapse prediction in life insurance contracts, Expert Systems with Applications, 2021.
4. E. Barucci, D. Brigo, M. Francischello, D. Marazzina, On the design of Sovereign Bond-Backed Securities, International Financial Engineering, 2021.
5. E. Barucci, T. Colozza, D. Marazzina, E. Rroji, The determinants of lapse rates in the Italian life insurance market, 2020, European Actuarial Journal.
6. E. Barucci, D. Marazzina, E. Mastrogiacomo, Asset allocation with minimum guarantee, 2019, Annals of Operations Research.
7. E. Barucci, T. Colozza, C. Milani, The effect of bank bail-out in the European Union, Journal of International Money and Finance, 2019, 95: 14-26.
8. E. Barucci, C. Milani, Do European banks manipulate risk weights?, 2018, *International Review of Financial Analysis*.
9. E. Barucci, D. Marazzina, G. La Bua, On relative performance, remuneration and risk taking of asset managers, 2018, *Annals of Finance*.
10. E. Barucci, R. Baviera, C. Milani, Is the comprehensive assessment really comprehensive?, *European Journal of Finance*, 2018, 1: 1-19.
11. E. Barucci, R. Baviera, C. Milani, Is the comprehensive assessment able to capture banks' risks?, *Finance Research Letters*, 2016, 19: 98-104.
12. E. Barucci and D. Marazzina, Asset management, High Water Mark and flow of funds, *Operations Research Letters*, 2016, 44: 607-611.
13. E. Barucci e A. Cosso, Portfolio choices and VaR constraint with a defaultable asset, *Quantitative Finance*, 2015, 5: 853-864.
14. E. Barucci e D. Marazzina, Risk seeking, non convex remuneration and regime switching, *International Journal of Theoretical and Applied Finance*, 2015, 18: 12-37.
15. E. Barucci e M. Casna, On the market selection hypothesis in a mean reverting environment, *Computational Economics*, 2014, 44, 101-126.
16. E. Barucci, M. Messori, The limits of the bail in process, in E. Barucci e M. Messori (a cura di), *Towards the European Banking Union,* Passigli editore, 2014.
17. E. Barucci, M. Messori, Is the Single Resolution Fund an effective backstop? in E. Barucci e M. Messori (a cura di), *Towards the European Banking Union,* Passigli editore, 2014.
18. E. Barucci, I profili finanziari del processo di privatizzazione. Effetti sui mercati finanziari, *Storia dell'IRI, IV Crisi e privatizzazione* a cura di Roberto Artoni, 2013, 451- 504.
19. E. Barucci e L. Del Viva, Dynamic capital structure and the contingent capital option, *Annals of Finance*, 2013, 9: 337-364.
20. E. Barucci, D. Magno, M.E. Mancino, Fourier volatility forecasting with high frequency data and microstructure noise, *Quantitative Finance*, 2012, 2: 281-294
21. E. Barucci e D. Marazzina, Optimal investment, stochastic labor income and retirement, *Applied Mathematics and Computation*, 2012, 218: 5588- 5604.
22. E. Barucci e M. Tolotti, Identity, reputation and social interaction with an application to sequential voting, *Journal of Economic Interaction and Coordination*, 2012, 7:79-98.
23. E. Barucci e L. Del Viva, Countercyclical contingent capital, *Journal of Banking and Finance*, 2012, 36: 1688-1709.
24. E.Barucci e M. Tolotti, Social interaction and conformism in a random utility model, forthcoming in *Journal of Economic Dynamics and Control*, 2012 36 (12): 1855-1866.