

Rita Laura D'Ecclesia, Curriculum Vitae



Nationality Italian
Date of birth September 30 1960
Address:
tel

Work experience

2001-present	Professor of Quantitative Methods for Economics and Finance Sapienza University of Rome.
2008- present	Visiting Professor at Birkbeck University of London.
Since 2008	Director of the PhD program in <i>Finance and Economics</i>
Since 2009	President of the <i>Euro Working Group for Commodities and Financial Modeling</i>
Since Dec. 2015	Independent advisor and Risk Appetite Framework Manager of Banca Igea.
2008-2013	Adjunct Professor for Graduate Courses Libera Università degli Studi Sociali LUIS, Rome Italy . Teaching Courses in Asset Pricing and Commodities
2008-2010	Visiting professor Erasmus University Business School, Rotterdam. Teaching Finance at the MBA level
1998-2001	Associate professor University of Foggia, Italy Undergraduate and Graduate courses in Mathematical Finance
1993-1998	Tenure researcher University of Urbino, Italy Mathematical Finance

Recent research fields

- Diamonds markets as a zero Beta asset
- Commodity prices modelling
- Dynamic Correlations in Commodities markets
- Analysis of the oil prices volatility:
- Analysis of the correlation existing between energy commodities, Market integration.
- CDS markets and their role in risk measurement.
- Cointegration analysis to estimate the relationship between Credit Default Swaps and Equities; analysis of the term structure of CDS. Analysis of the CDS quotes dynamics and their signaling power. Changing dynamics during the financial crisis. Analysis of its volatility.
- Analysis for the success of a new electricity market: contract designing and settlement.
- Common Cycles and Common trend in financial markets. Application of the VECM approach.
- Non parametric simulation approaches to value financial assets and to measure risk for portfolios of derivative securities.
- Rules for the success of new derivative markets: analysis of risk.
- Econometric analysis of the bid ask spread and lead-lag relationship for the BTP futures contract traded at LIFFE and at MIF.
- Definition of an optimization model to estimate assets demands according to heterogeneous risk aversion.
- Description of the currency exchange rate's long swings using a stochastic control approach. Development of a theoretical model supported by empirical validation using US\$/DM data over the last 20 years.
- Application of option pricing theory to evaluate the prepayment option embedded in Mortgage Backed Securities.

Institutional appointments	Member of the Selection Board for hiring quantitative experts at Bank of Italy, Consob (Italian Market Authority), IVASS (Italian Insurance Authority) in 2008, 2014, 2015, 2016.
Editorial Activity	
Since 2000	Associate Editor European Journal of Finance, the ISINI Frontiers in Finance and Economics, Review of Managerial Science, Mondo Bancario. Managing Guest Editor Energy Economics, European Journal of Operations research, Journal of Banking and Finance, Central European Journal of Operations Research.
Previous Experience	
2003-2006	European Expert for the designing of an electricity forward contract. GME- Gestore del Mercato Elettrico (National Authority for the Energy Market)
1988	Statistical researcher Participate to the CERI project for the analysis of the impact of the technological innovation on the changing employment and skill formation in the Italian Banking Industry. OECD-ABI (Organization for the Economic Co-operation and Development- Italian Banking Association)
1986-87	Statistical consultant Analysis of the problem of the technical advance in Italian industries: analysis of market structure with particular regard to the financial activities to support the technical advantage. Portfolio analysis to construct a closed end fund for the corporate financing. CNR - (Italian National Council for the Research)
1985-86	Statistical consultant Analysis of governments grants supporting local authorities' basic needs. Application of statistical techniques applying cluster analysis to the 8086 set of Italian local authorities. This project was a commitment of the Italian Department of Interior. ISIS -(Institute of Studies for Analysis and Information Systems)
1984	Statistical consultant Analysis and data processing regarding regional High School education and the impact of courses failure. Analysis of tourism in Tuscany from 1974 to 1984. CENSIS (Center for the Studies of Social Investments)
Organizational skills	Chair of the <i>International Summer School on Risk Measurement and Control</i> , a 6-10 day summer school organized with the scientific support of 15 European Universities, Chair of the Euro Working Group For Commodities and Financial Modelling: Organized the 32 nd Meeting in Capri and the 50 th Meeting in Rome. Chair of the 7 th symposium of the CBOT in Rome in 1995
Education and training	
1986-90	PhD in Finance and Capital Markets University of Bergamo
1987-88	Visiting PhD Scholar at NYU Graduate School of Business Administration, Stern School, New York University, NYU
1978-1983	Ba, Hon. In Statistics, University of Rome "La Sapienza", Italy

Personal skillsMother tongue(s) **Italian**

Other language(s)

Self-assessment

English**Spanish****French**

Understanding		Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production	
	C 2		C 2		C 2		C 2
	C 2		C 2		C 2		C 2
	B 2		B 2		B 2		B 2

Articles in international
Journals (recent
publications-2008-15)

1. R. D'Ecclesia, V. Jotanovic, Are Diamonds a Safe Haven?, Review of managerial Science, in press.
2. R. D'Ecclesia, V. Jotanovic, "European gas market: converging to a single market?" Annals of Operations Research, Revised for publication.
3. R. D'Ecclesia, E. Magrini, P. Montalbano, U. Triulzi. (2014) "Understanding recent oil prices Dynamics: A novel empirical approach", Journal of Energy Economics, <http://dx.doi.org/10.1016/j.eneco.2014.10.005>.
4. R. D'Ecclesia, (2014), "The state of financial modeling In 2012 as shaped by the GFC" in Central European Journal of Operation Research, Volume 22, Issue 4, pp. 233-235.
5. F. Barcellona, M. Panella, R.L. D'Ecclesia, D. Stack, (2013)"Crude Oil Prices and Kernel-Based Models", Special Issue on Commodity Risk Management in International Journal of Engineering and Financial Risk Maneagement
6. F. Barcellona, M. Panella, R.L. D'Ecclesia (2013)" Forecasting Energy Commodity Prices Using Neural Networks", *Advances in Decision Sciences*.
7. C.Bencivenga, R. D'Ecclesia, U. Triulzi (2012). Oil prices and the financial crisis. *Review of Managerial Science*, vol. Volume 6 , p. 227-238, ISSN: 1863-6683
8. R.D'Ecclesia, M. Brandtner (2012). Special Topic: Financial Crisis. *Review of Managerial Science*, vol. 6, p. 203-205, ISSN: 1863-6683
9. R. D'Ecclesia, R. Castellano (2012). CDS price volatility: the key signal. *Annals of Operations Research*, vol.200, p.1-21 ISSN: 0254-5330 doi: 10.1007/s11846-012-0084
10. Bencivenga, G. Sargenti, R. L. D'Ecclesia (2011) Integration of energy commodity prices in US and in Europe. *Journal of Risk Management in Financial Institutions* vol. 4, n.3 p. 301-313, ISSN: 1752-8887.
11. R. Castellano, R. Cerqueti and R. D'Ecclesia (2011) A disutility-based drift control for exchange rates, *Optimization*, P. 1-15. DOI:10.1080/02331934.2011.641016
12. R. Castellano and R. D'Ecclesia (2011) "Credit Default Swap and Rating Announcements" *International Journal of Multicriteria Decision Making*, Vol.7 n.1, p. 3-21.
13. F. Barcellona, M.Panella, V.Santucci, R.L. D'Ecclesia (2011). Commodity Prices: a neural network approach. *IEE Signal Processing Letters*, ISSN: 1070-9908
14. Risk management, editorial. *Journal of Risk Management in Financial Institutions*, vol. 4, p. 212-215, ISSN: 1752-8887
15. R.L. D'Ecclesia, S. Musti, (2008) "Term Structure of Interest Rate the Expectation Hypothesis: the Euro Area", *European Journal Of Operations Research* , 185(3, p. 1596-1606
16. R.L. D'Ecclesia(2008) "Risk Management in commodity and financial markets" editorial. *Journal of Banking and Finance*, 32, 1989-1990, (2008).
17. R. D'Ecclesia, (2012), Improving the European Commission's Prips Proposal. *Structured Products Risk Magazines*, Dec 17th

Articles in international
books or proceedings
(recent publications)

18. R. D'Ecclesia, Climate Futures Contracts in World Scientific Handbook in Financial Economic Series Vol. 5 p. 345-375.
19. R. D'Ecclesia, M. Bertocchi, (2013) The Bond Market in Europe. pp.1-50 in Eurobond: Markets, Infrastructues and Trend, *World Scientific Publisher*.
20. R. D'Ecclesia, M. Bertocchi, (2013) The Market Infrastructures pp.50-72, in Eurobond: Markets, Infrastructues and Trend, *World Scientific Publisher*
21. R. D'Ecclesia, V. Moriggia, (2013) Credit Rating Agencies . 113-142, in Eurobond: Markets, Infrastructues and Trend, *World Scientific Publisher*.
22. R. D'Ecclesia, (2013) Introduction to Pricing in Energy Markets, in Handbook of Risk Management in Energy Production and Trading.

Editorial Activity

- International Series in Operations Research and Management Science. Springer Verlag, 2013, pp. 30-60.
23. R.L. D'Ecclesia, C. Bencivenga, G. Sargenti, (2009) "Energy markets: crucial relationships between prices" edited by M. Corazza *Mathematical and Statistical Methods for Actuarial Sciences and Finance* 143-53, Springer Verlag.
24. *Special Issue on Commodities Financial Management: Part 1*, International Journal of Financial Engineering and Risk Management, Vol.1, n.1 February 2013
25. *Special Issue on Financial Modelling*. Central European Journal of Operations Research, Springer Verlag Vol. 2, 2014.
26. *Special Issue on Recent Development in Economics*, Energy Economics, Elsevier 2014

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