

Federico Maglione

RESEARCH INTERESTS	PRIMARY: Credit Risk, Asset Pricing, Derivatives, Portfolio Theory, Sustainability SECONDARY: Financial Economics, Financial Econometrics	
POST-DOCTORAL RESEARCHER (ASSEGNISTA)	SCUOLA NORMALE SUPERIORE, Pisa, Italy <i>Quantitative Finance Research Group</i> Research project: <i>Portfolio construction and optimization of multi-asset portfolios with a target volatility level, creation and optimization of ‘smart’ multi-factor portfolios in the equity and fixed income asset classes</i> Supervisors: Prof. Fabrizio Lillo and Prof. Stefano Marmi Academic Fields and Disciplines List: SECS-S/06 and MAT/07 Research grant funded by Fineco Asset Management (FAM)	Sep 2020 – today
	As part of the FAM’s Quant Team as external quant researcher, I have been in charge of developing derivatives solutions for hedging downside risk using portfolios of vanilla and barrier options, alongside pricing speculative instruments such as equity default swaps (EDSs). I also developed macroeconomic models for asset allocation across the economic cycle; furthermore I followed the implementation of FAM’s investment factor model and funds. Finally, I have worked on the construction of ESG-compliant funds and done research on the link between sustainability and the investment performance of different asset classes.	
EDUCATION	BAYES BUSINESS SCHOOL, London, United Kingdom <i>PhD in Finance</i> As part of the PhD programme, I took the following courses: Asset Pricing Theory, Corporate Finance Theory, Empirical Corporate Finance, Financial Econometrics, Probability and Mathematical Statistics, Research Methods, Topics in Finance. Thesis: The Use of Compound Options for Credit Risk Modelling Supervisors: Prof. Laura Ballotta, Prof. Gianluca Fusai Examiners: Prof. Anthony Neuberger (internal), Prof. Santiago Forte (external)	Sep 2015 – Sep 2020
	LONDON GRADUATE SCHOOL IN MATHEMATICAL FINANCE, London, United Kingdom As part of the PhD programme, I took the following courses: Advanced Probability Theory (London School of Economics and Political Science), Convex Optimisation and Illiquid Markets (King’s College London), Stochastic Integrals: an Introduction to the Itô Calculus (Imperial College London), Lévy Processes and Applications in Finance (Bayes Business School), Local Martingales and the Martingale Properties (London School of Economics and Political Science), Quadratic Hedging and Its Applications (Bayes Business School), A Unified Approach to Quadrature Pricing in Equity Derivatives Models (London School of Economics and Political Science), Non-linear Valuation Under Credit Gap Risk, Initial and Variation Margins and Funding Costs (Imperial College London).	Sep 2016 – Sep 2017
	CA’ FOSCARI UNIVERSITY OF VENICE, Venice, Italy <i>Laurea Magistrale in Economia e Finanza</i> Thesis: Fractal and Multifractal Models for Price Changes Supervisors: Prof. Marco Tolotti (main), Prof. Marco Corazza, Prof. Paolo Pianca Final grade: 110/110 summa cum laude	Oct 2011 – Oct 2013

CA' FOSCARI UNIVERSITY OF VENICE, Venice, Italy Oct 2008 – Oct 2011
Laura in Economia Aziendale, Intermediari e Mercati Finanziari
Thesis: Modern Portfolio Theory vs Naive Diversification
Supervisor: Prof. Paolo Pellizzari
Final grade: 106/110

LICEO SCIENTIFICO G. GALILEI, Trieste, Italy Sep 2003 – Jul 2008
Maturità Scientifica
Final grade: 100/100

PUBLICATIONS

P. Carr; F. Maglione (2022), ELEMENTARY COMPOUND DERIVATIVE PRICING, forthcoming at *The Journal of Derivatives*.

F. Maglione(2022), CREDIT SPREADS, LEVERAGE AND VOLATILITY: A COINTEGRATION APPROACH, *Computation*, Special Issue “Computational Issues in Insurance and Finance”, Volume 10, Issue 9, 155
<https://doi.org/10.3390/computation10090155>

F. Maglione (2022), CREDIT SPREADS, LEVERAGE AND VOLATILITY: A COINTEGRATION APPROACH, in *Mathematical and Statistical Methods for Actuarial Sciences and Finance*, MAF 2022, Springer, pp. 327-332 (ISBN 978-3-030-99637-6)
https://link.springer.com/chapter/10.1007/978-3-030-99638-3_53

F. Maglione (2015), ON THE SCALING FUNCTION OF MULTIFRACTAL PROCESSES, *Mathematical Methods in Economics and Finance*, pp. 23-40, Vol. 9/10. (ISSN print edition: 1971-6419 – ISSN online edition: 1971-3878
https://www.unive.it/pag/fileadmin/user_upload/dipartimenti/economia/doc/Pubblicazioni_scientifiche/m2ef/2014_2015/007-Maglione.pdf

PAPERS UNDER REVIEW

P. Carr; F. Maglione, STRETCHING MERTON DISTANCE-TO-DEFAULT MODEL
Under review at *Quantitative Finance*.

WORKING PAPERS

R. Corvino; F. Maglione; D. Palazzo, NOWCASTING CORPORATE DEBT
joint work with Raffaele Corvino (Collegio Carlo Alberto) and Dino Palazzo (Board of Governors of the Federal Reserve System)

F. Maglione; E. Pazaj, THE STRANGE TALE OF THE EQUITY RISK PREMIUM AND INFLATION
Joint work with Elisa Pazaj (University of Amsterdam)

I. Bevza; F. Maglione, HARVESTING THE ESG FACTOR
Joint work with Irina Bevza (Fineco Asset Management Ireland)

L. Dal Maso; L. Gianfagna, N. Lattanzi, F. Maglione, DO IT GREEN, DO IT BETTER: THE EFFECT OF ENVIRONMENTAL RISK ON FIRMS' PERFORMANCE
Joint work with Lorenzo Dal Maso (Università di Bologna), Laura Gianfagna (European Investment Bank) and Nicola Lattanzi (IMT School for Advanced Studies)

F. Maglione, THE OPTION-IMPLIED ASSET VOLATILITY SURFACE

F. Maglione, THE IMPACT OF CREDIT RISK ON EQUITY OPTIONS

CONFERENCE PRESENTATIONS	THE PETER CARR MEMORIAL CONFERENCE NYU Tandon School of Engineering, New York, USA	Jun 2-4, 2022
	10TH MATHEMATICAL AND STATISTICAL METHODS FOR ACTUARIAL SCIENCE AND FINANCE CONFERENCE Salerno, Italy	Apr 20-22, 2022
	18TH PARIS DECEMBER FINANCE MEETING Online conference	Dec 17, 2020
	SIAM CONFERENCE ON FINANCIAL MATHEMATICS & ENGINEERING Toronto, Canada	Jun 4-7, 2019
	ACTUARIAL AND FINANCIAL MATHEMATICS CONFERENCE Brussels, Belgium	Feb 7-8, 2019
INVITED TALKS	PETER CARR BROOKLYN QUANT EXPERIENCE SEMINAR SERIES NYU Tandon School of Engineering, New York, USA	Nov 3, 2022
RESEARCH HONORS AND AWARDS	BEST RESEARCH PAPER OF PHD IN FINANCE Bayes Business School, London, United Kingdom	Jun 2018
	FULL PHD STUDENT FELLOWSHIP Bayes Business School, London, United Kingdom	Sep 2015 – Sep 2019
TEACHING EXPERIENCE IN ENGLISH	SCUOLA SUPERIORE SANT'ANNA, Pisa, Italy <i>Postgraduate</i> ◊ Mathematical Methods for Economics Teaching Assistant	Sep 2021 – Dec 2022
	BAYES BUSINESS SCHOOL, London, United Kingdom <i>Undergraduate</i> ◊ Derivatives Lecturer & Seminar Tutor	Sep 2020 – Aug 2021
	◊ Derivatives, Trading and Hedging Lecturer & Seminar Tutor	Sep 2020 – Aug 2021
	◊ Financial Engineering Teaching Assistant	Jan 2021 – May 2021
	◊ Derivatives Teaching Assistant	Jan 2020 – Aug 2020
	◊ Mathematical Finance Teaching Assistant	Sep 2019 – Aug 2020
	<i>Postgraduate</i> ◊ Corporate Risk Management Lecturer & Seminar Tutor	Sep 2018 – Aug 2020
	◊ Stochastic Modelling Methods in Finance Teaching Assistant	Nov 2017 – Jan 2018
	◊ Investment Markets Teaching Assistant	Sep 2016 – Jan 2020

	<ul style="list-style-type: none"> ◇ Derivative and Risk Management Online Tutor ◇ Corporate Finance Online Tutor 	<p>Jun 2017 – Aug 2020</p> <p>Oct 2017 – Aug 2020</p>
	LONDON BUSINESS SCHOOL, London, United Kingdom	
	<i>Postgraduate</i>	
	<ul style="list-style-type: none"> ◇ Time Series Analytics Teaching Assistant ◇ Data and Time Series Analytics Teaching Assistant ◇ Data Analytics for Finance Teaching Assistant ◇ Decisions and Risk Analysis Teaching Assistant 	<p>Dec 2018 – Mar 2020</p> <p>Sep 2016 – Mar 2020</p> <p>Aug 2018 – Oct 2018</p> <p>Feb 2017 – Apr 2017</p>
TEACHING EXPERIENCE IN ITALIAN	CA' FOSCARI UNIVERSITY OF VENICE, Venice, Italy	
	<i>Postgraduate</i>	
	<ul style="list-style-type: none"> ◇ Introduzione alla Programmazione in Matlab Lecturer & Seminar Tutor ◇ Problemi di Matematica Finanziaria per le Imprese Teaching Assistant 	<p>Nov 2012 – Jan 2013</p> <p>Aug 2013 – Jan 2014</p>
	<i>Undergraduate</i>	
	<ul style="list-style-type: none"> ◇ Matematica Teaching Assistant 	<p>Aug 2013 – Jan 2014</p>
OTHER WORK EXPERIENCES	BANCA NAZIONALE DEL LAVORO SPA, Venice, Italy	Mar 2014 – Aug 2015
	Credit Specialist	
	PERMASTEELISA SPA, Vittorio Veneto, Italy	Jan 2014 – Mar 2014
	Treasury and Finance Assistant	
	RIEDI INSURANCE BROKER SAS, Treviso, Italy	Feb 2011 – Apr 2011
	Intern	
COMPUTER SKILLS	QUANTITATIVE SOFTWARE: Matlab, Python, R, Stata, Eviews. NON-QUANTITATIVE SOFTWARE: L ^A T _E X, Office, OpenOffice.	
LANGUAGES	Italian (mother tongue) English (fluent) French (beginner) Spanish (beginner)	
VOLUNTEERING	PHD FINANCE STUDENTS REPRESENTATIVE Bayes Business School, City, University of London	Oct 2016 – Aug 2020
	PHD REPRESENTATIVE IN THE TEACHING AND LEARNING COMMITTEE Bayes Business School, City, University of London	Oct 2016 – Aug 2020

PHD REPRESENTATIVE IN THE RESEARCH AND ENTERPRISE Dec 2016 – Aug 2020
COMMITTEE
Bayes Business School, City, University of London