Curriculum

Nome Name:	Massimiliano
Cognome Surname:	CAPORIN

ORCID:	0000-0001-5014-5951
Scopus Author ID:	16021198600
WOS Author ID:	AAM-5958-2020
Sito WEB WEB site:	n.d.

POSIZIONE PROFESSIONALE ATTUALE / CURRENT PROFESSIONAL POSITION:

Posizione attuale Current position:	In servizio
Qualifica Qualification:	Professore Ordinario (L. 240/10)
Ateneo/Ente/Azienda University/Institution/Company:	Università degli Studi di PADOVA
Nazione Ateneo/Ente/Azienda University/Institution/Company Country:	ITA
Anno inizio Start Year:	2016
Anno fine End Year:	n.d.

PRECEDENTI ESPERIENZE LAVORATIVE (ULTIMI 10 ANNI) / PREVIOUS WORK EXPERIENCE (LAST 10 YEARS):

LINGUE / LANGUAGES:

Lingua Language:	Inglese
Scrittura Writing:	C1
Comunicazione Comunication:	C1

AREA/SETTORE SCIENTIFICO-DISCIPLINARE / AREA/SECTOR SCIENTIFIC-DISCIPLINARY

Area scientifico-disciplinare Area scientific-disciplinary:	Scienze economiche e statistiche
Area scientifico-disciplinare codice Area scientific-disciplinary code:	13
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-Statistica economica
Settore scientifico-disciplinare codice Sector scientific-disciplinary code:	-STAT-02/A

DESCRIZIONE DEI PRINCIPALI RISULTATI SCIENTIFICI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 PUBBLICAZIONI) / DESCRIPTION OF THE MAIN SCIENTIFIC RESULTS ACHIEVED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 PUBLICATIONS):

Descrizione Description:	*Research interests - financial econometrics, financial time series analysis; quantitative methods for empirical finance, and empirical economics; - market risk measurement and systemic risk measurement through dynamic models; - multivariate models for financial market variances: GARCH, stochastic volatilities and their extensions; feasible parameterisations and efficient multi-step estimation approaches; application in asset allocation and market risk measurement; robust methods for model comparison; the curse of dimensionality; common patterns in the conditional variances; causality in variances; range based models; - long term investment strategies: optimal strategies for agents with short term liquidity constraints; performance evaluation of long term investment plans and strategies; robust and optimal choice of agents optimizing criteria; - active portfolio management: quantitative based strategies; performance evaluation of actively managed funds; style analysis and adherence to the benchmarks; - high frequency data: conditional duration models, multivariate approaches and their possible application in high frequency quantitative trading; market microstructure and empirical analysis of market efficiency; - spatial econometrics methods in finance; quantile regression methods in economics and finance; - weather and energy derivatives modelling and pricing; quantitative methods in energy*

	economics and energy finance.

PUBBLICAZIONI / PUBLICATIONS:

Anno della pubblicazione Year of publication:	2015
Citazione Citation:	BALDOVIN, FULVIO, CAPORIN, MASSIMILIANO, CARAGLIO, MICHELE, STELLA, ATTILIO, ZAMPARO, MARCO (2015). Option pricing with non-Gaussian scaling and infinite-state switching volatility. JOURNAL OF ECONOMETRICS, vol. 187, p. 486-497, ISSN: 0304-4076, doi: 10.1016/j.jeconom.2015.02.033

Anno della pubblicazione Year of publication:	2017
Citazione Citation:	CAPORIN, MASSIMILIANO, Rossi, Eduardo, Santucci de Magistris, Paolo (2017). Chasing volatility: A persistent multiplicative error model with jumps. JOURNAL OF ECONOMETRICS, vol. 198, p. 122-145, ISSN: 0304-4076, doi: 10.1016/j.jeconom.2017.01.005

Anno della pubblicazione Year of publication:	2017
Citazione Citation:	Caporin, Massimiliano, Kolokolov, Aleksey, RenÃ², Roberto (2017). Systemic co-jumps. JOURNAL OF FINANCIAL ECONOMICS, vol. 126, p. 563-591, ISSN: 0304-405X, doi: 10.1016/j.jfineco.2017.06.016

Anno della pubblicazione Year of publication:	2016
Citazione Citation:	CAPORIN, MASSIMILIANO, Rossi, Eduardo, Santucci de Magistris, Paolo (2016). Volatility Jumps and Their Economic Determinants. JOURNAL OF FINANCIAL ECONOMETRICS, vol. 1, p. 29-80, ISSN: 1479-8409, doi: 10.1093/jjfinec/nbu028

Anno della pubblicazione Year of publication:	2023
Citazione Citation:	Caporin, M (2023). The Role of Jumps in Realized Volatility Modeling and Forecasting. JOURNAL OF FINANCIAL ECONOMETRICS, vol. 21, p. 1143-1168, ISSN: 1479-8409, doi: 10.1093/jjfinec/nbab030

Anno della pubblicazione Year of publication:	2024
Citazione Citation:	Caporin, Massimiliano, Di Fonzo, Tommaso, Girolimetto, Daniele (2024). Exploiting Intraday Decompositions in Realized Volatility Forecasting: A Forecast Reconciliation Approach. JOURNAL OF FINANCIAL ECONOMETRICS, vol. 22, p. 1759-1784, ISSN: 1479-8409, doi: 10.1093/jjfinec/nbae014

Anno della pubblicazione Year of publication:	2024
Citazione Citation:	Yang R., Caporin M., Jimenez-Martin J. -A. (2024). Measuring Climate Transition Risk Spillovers. REVIEW OF FINANCE, vol. 28, p. 447-481, ISSN: 1572-3097, doi: 10.1093/rof/rfad026

Anno della pubblicazione Year of publication:	2022
Citazione Citation:	Bonaccolto G., Caporin M., Maillet B. B. (2022). Dynamic large financial networks via conditional expected shortfalls. EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol. 298, p. 322-336, ISSN: 0377-2217, doi: 10.1016/j.ejor.2021.06.037

Anno della pubblicazione Year of publication:	2022
Citazione Citation:	Caporin M., Costola M., Garibal J. -C., Maillet B. (2022). Systemic risk and severe economic downturns: A targeted and sparse analysis. JOURNAL OF BANKING & FINANCE, vol. 134, 106339, ISSN: 0378-4266, doi: 10.1016/j.jbankfin.2021.106339

Anno della pubblicazione Year of publication:	2019
Citazione Citation:	Bonaccolto G., Caporin M., Paterlini S. (2019). Decomposing and backtesting a flexible specification for CoVaR. JOURNAL OF BANKING & FINANCE, vol. 108, 105659, ISSN: 0378-4266, doi: 10.1016/j.jbankfin.2019.105659

DESCRIZIONE DEI PRINCIPALI PROGETTI DI RICERCA E PREMI CONSEGUITI NEGLI ULTIMI 10 ANNI (CON ANNESSO ELENCO DI MASSIMO 10 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PRINCIPAL INVESTIGATOR O COORDINATORE LOCALE DI PROGETTI DI RICERCA COMPETITIVI NAZIONALI O INTERNAZIONALI, SIGNIFICATIVI PREMI CONSEGUITI PER LA PROPRIA ATTIVITÀ DI RICERCA)/ DESCRIPTION OF THE MAIN RESEARCH PROJECTS AND AWARDS AWARDED IN THE LAST 10 YEARS (WITH ATTACHED LIST OF MAXIMUM 10 ACHIEVEMENTS, INCLUDING, FOR EXAMPLE, PRINCIPAL INVESTIGATOR OR LOCAL COORDINATOR OF NATIONAL OR INTERNATIONAL COMPETITIVE RESEARCH PROJECTS, SIGNIFICANT AWARDS AWARDED FOR YOUR RESEARCH ACTIVITY):

Descrizione Description:	- *“Exposure of Financial Markets to the Climate Transition Risk: Impact and Adaptation (EFFECT)”,*

	Universidad Complutense de Madrid, role: member of the research team; - "PRICE: A New Paradigm for High-Frequency Finance", national research project financed by the Italian Ministry of University and Research, national coordinator Prof. Davide Pirino (University of Roma Tor Vergata), role: coordinator of the research unit based at the University of Padua; - "GRINS – Growing Resilient, INclusive and Sustainable", project financed by Ministry of University and Resarch within the European Union "Next Generation EU" funds, National Recovery and Resilience Plan (NRRP), Mission 4 Component 2 - Investment 1.3, proposed by University of Bologna; role: member of Spoke 4 based at the University Ca' Foscari Venice; - "Financial Risks in Green Transition and Sustainable Financing (Greenness-at-Risk)", project financed by Agencia Estatal de Investigación (AEI), Ministerio de Ciencia e Innovación (Spain) and European Union "NextGenerationEU"/PRTR, principal investigator Prof. Juan-Angel Jimenez-Martin, Instituto Complutense de Análisis Económico (ICAE), Universidad Complutense de Madrid, role: memebr of the research team; - "On the potential global impacts on financial markets and real economics of the Covid19 sanitary crisis", project financed by Europlace Institut de Finance and Labex, Institut Loius Bachelier, Paris, role: member of the research team, coordinator prof. Bertrand Maille (EMLyon); - "HiDEA: Advanced Econometrics for High-frequency Data", national research project financed by the Italian Ministry of University and Research, national coordinator Prof. Roberto Renò (University of Verona), role: coordinator of the research unit based at the University of Padua; - "The economics of old age risks", national research project financed by the Italian Ministry of University and Research, national coordinator Prof. Tullio Jappelli (University of Naples), role: member of the research unit based at the University of Padua, local supervisor, Prof. Guglielmo Weber; - "The impact of unconventional monetary policies on European financial markets", Inquire Europe, Institute for quatitative investment research, 2015, joint with Alberto Plazzi (USI), Loriana Pelizzon (SAFE Frankfurt), and Roberto Rigobon (MIT);

DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SVILUPPO DI RETI E RELAZIONI SCIENTIFICHE NAZIONALI E INTERNAZIONALI (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, PARTECIPAZIONE O ORGANIZZAZIONE DI CONVEGNI NAZIONALI E INTERNAZIONALI; CONTRIBUTI A CONSORZI DI RICERCA) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF DEVELOPMENT OF NATIONAL AND INTERNATIONAL SCIENTIFIC NETWORKS AND RELATIONS

(WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, PARTICIPATION OR ORGANIZATION OF NATIONAL AND INTERNATIONAL CONFERENCES; CONTRIBUTIONS TO RESEARCH CONSORTIA):

Descrizione Description:	*- Computational and Financial Econometrics, CFE, member of the Scientific Program Committee for the editions: 2020, 2021, 2022, 2023, 2025; - Studies in Nonlinear Dynamics and Economcetrics 2024, Padova, chair of the organizing committee and member of the program committee; - EcoSta 2024, Conference Co-chair; - International Conference on Information Technology and Quantitative Management, member of the Program Committee for the editions: 2021 and 2022; - Discussant/Referee: CIDE/Side Workshop for PhD students in Econometrics (WEEE), from 2013 to present; - 1st International Conference on Frontiers in International Finance and Banking, Moscow State Institute of International Relations (MGIMO University), 2021, member of the Program Committee; - 50th Scientific Meeting of the Italian Statistical Society, Pisa 2021, member of the Program Committee; - International Association for Mathematics and Computers in Simulation Congress, IMACS 2020, member of the Local Charing Committee (postponed to 2021); - Credit 2019 conference Venezia, discussant of "Climate risk and stock returns" by E. Carnemolla and G. Vinci; - Scientific Program Committee, First International Conference on Energy, Finance and the Macroeconomy (ICEFM) Montpellier, France, 2017; - Scientific Program Committee, Italian Congress of Econometris and Empirical Economics 2017, Messina, Italy;*

DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI DI SUPPORTO ALLA COMUNITÀ SCIENTIFICA (CON ANNESSO ELENCO DI MASSIMO 5 RISULTATI, INCLUDENDO, A TITOLO DI ESEMPIO, RESPONSABILITÀ DI DIREZIONE DI COMITATI EDITORIALI; INCARICHI DI VALUTAZIONE DELLA RICERCA PRESSO ISTITUZIONI NAZIONALI O INTERNAZIONALI; RESPONSABILITÀ ISTITUZIONALI ALL'INTERNO DELL'ISTITUZIONE DI APPARTENENZA O DI ALTRE ISTITUZIONI) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF SUPPORT TO THE SCIENTIFIC COMMUNITY (WITH ATTACHED LIST OF MAXIMUM 5 RESULTS, INCLUDING, FOR EXAMPLE, MANAGEMENT RESPONSIBILITIES OF EDITORIAL COMMITTEES; RESEARCH EVALUATION ROLES AT NATIONAL OR INTERNATIONAL INSTITUTIONS; INSTITUTIONAL

RESPONSIBILITIES WITHIN THE INSTITUTION OF AFFILIATION OR OTHER INSTITUTIONS):

Descrizione Description:	*From January 2024, Associate Editor of Journal of the Royal Statistical Society – Series A From December 2023, Associate Editor of Econometrics & Statistics (section Econometrics) From January 2022, Associate Editor of Statistical Methods & Applications (section Methods) From May 2018, Associate Editor of the European Journal of Finance From September 2013, Associate Editor of Annals of Financial Economics From June 2011: Associate Editor of Mathematics and Computers in Simulations*

DESCRIZIONE DEI PRINCIPALI RISULTATI CONSEGUITI NEGLI ULTIMI 10 ANNI IN TERMINI VALORIZZAZIONE DELLE CONOSCENZE (CON ANNESSO ELENCO DI MASSIMO 3 RISULTATI, RELATIVI ALLA PARTECIPAZIONE DEL CANDIDATO ALLE ATTIVITÀ DI VALORIZZAZIONE DELLE CONOSCENZE) / DESCRIPTION OF THE MAIN RESULTS ACHIEVED IN THE LAST 10 YEARS IN TERMS OF KNOWLEDGE VALORIZATION (WITH ATTACHED LIST OF MAXIMUM 3 RESULTS, RELATING TO THE CANDIDATE'S PARTICIPATION IN KNOWLEDGE VALORIZATION ACTIVITIES):

Descrizione Description:	*Consulting oriented projects - From January 2019 to December 2026, consultant and project manager at the Department of Statistical Sciences of the University of Padova, unit FAR@STAT, for consulting services to be provided to Brennero Base Tunnel BBT on evaluation of project costs monetary adjustment and inflation forecasting; - From June to November 2024, scientific project manager at the Department of Statistical Sciences of the University of Padova for a research project to be delivered to Pictet Asset Management on the relevance and drivers of the small cap effect in financial markets; - From July 2017 to December 2020, consultant and project manager at GRETA Associati for services to be provided to Objectway on the development of quantitative solutions and software prototype implementations on topics associated with financial advisory, asset allocation, model simulation; - From September 2016 to August 2020, co-PI and research consultant, coordinator of the local research unit based at the University of Padova, Department of Statistical Sciences, within the project “Promoting energy efficiency in Qatar: field experimental evidence”, international project financed by th Qatar National Research Fund, global coordinator Prof. Ahmed Khalifa (Qatar University);*

Informazioni aggiornate alla data di candidatura 29-04-2025

Massimiliano CAPORIN

Il presente curriculum costituisce allegato e parte integrante dell'incarico sottoscritto