

RESEARCH INTERESTS

I am an accounting researcher working at the intersection of Natural Language Processing, Machine Learning, and empirical finance. My work uses large-scale textual and multimodal financial data to study corporate disclosure and its consequences, including firm tax outcomes and investor reactions to multi-dimensional financial narratives. Methodologically, I draw on statistical learning and computational statistics, with a focus on stochastic processes for sequential data; this allows me to model how corporate information evolves over time, including disclosure cascades and topic model identification. My research has been published in the *Review of Accounting Studies* and *Journal of Machine Learning Research*. Beyond research, I contribute as a reviewer for accounting journals and as an active developer of open-source tools.

CURRENT ACADEMIC POSITIONS

Bocconi University, Department of Accounting	Milan, Italy
<i>Assistant Professor of Accounting Analytics and Data Science</i>	2018 – Current
<i>Fellow at Bocconi Institute for Data Science and Analytics</i>	2018 – Current
<i>Member of the Bocconi Digital Transformation and AI Committee</i>	2023 – Current

PAST ACADEMIC POSITIONS

NHH, Department of Business and Management Science	Bergen, Norway
<i>Visiting Associate Professor (recurrent)</i>	2024 – 2025
IE University	Madrid, Spain
<i>Visiting Assistant Professor</i>	October, 2022
Bocconi University, Department of Accounting	Milan, Italy
<i>Postdoctoral Fellow with Grant</i>	2017 – 2018
Politecnico di Milano, Department of Management, Economics and Industrial Engineering	Milan, Italy
<i>Research Fellow</i>	2011 – 2013

EDUCATION

Politecnico di Milano, Department of Mathematics and MOX-Polimi	Milan, Italy
<i>Ph.D. in Applied and Computational Statistics</i>	2017
Università di Milano-Bicocca	Milan, Italy
<i>MSc. in Astrophysics and Space Physics BSc. in Physics</i>	2010

SELECTED PUBLICATIONS

- [9] *Investor Distraction and Multi-Dimensional Financial Narrative* [↗](#)
Review of Accounting Studies (2026), 31, 334–373, with M. Gietzmann, and C.M. Lewis
- [8] *Using Narrative Disclosures to Predict Tax Outcomes* [↗](#)
Review of Accounting Studies (2026), 31, 374–412, with O. Bogachek, P. Demeré, and A. De Vito
- [7] *Risk Guidance and Anti-Corruption Language: Evidence from Corporate Codes of Conduct* [↗](#)
Journal of Risk Research (2024), 27(7), 735–769, with O. Bogachek and M. Gietzmann
- [6] *A Statistical Approach for Optimal Topic Model Identification* [↗](#)
Journal of Machine Learning Research (2022), 23(58):1–20, with C.M. Lewis
- [5] *Blockchain and other Distributed Ledger Technologies: where is the Accounting?* [↗](#)
Journal of Accounting and Public Policy (2021), 40(5), 106881, with M. Gietzmann
- [4] *Impact of in-hospital Cardiac Rehabilitation on Mortality and Readmissions in Heart Failure: A Population Study in Lombardy Italy, from 2005 to 2012* [↗](#)
European Journal of Preventive Cardiology (2019), with S. Scalvini, A.M. Paganoni, M.T. La Rovere, R. Pedretti, M. Frigerio
- [3] *A multi-state approach to hospital readmissions of patients affected by chronic heart failure: the value added by administrative data* [↗](#)
Health Care Management Science (2018), with F. Ieva and A. Paganoni

- [2] *H α ³: an H α imaging survey of HI selected galaxies from ALFALFA. II. Star formation properties of galaxies in the Virgo cluster and surroundings* [↗](#)
Astronomy & Astrophysics (2013), with G. Gavazzi, M. Fumagalli, M. Fossati, V. Galardo, A. Boselli, R. Giovanelli, M.P. Haynes
- [1] *H α ³: an H α imaging survey of HI selected galaxies from ALFALFA. I. Catalogue in the Local Supercluster* [↗](#)
Astronomy & Astrophysics (2012), with G. Gavazzi, M. Fumagalli, V. Galardo, A. Boselli, R. Giovanelli, M.P. Haynes, and S. Fabello

WORKING PAPERS

- [5] *FinTag2Text: Mapping Financial Statement Disclosures with XBRL Data* [↗](#)
under 3rd round review, with C. Burd, E. Casi, and P. Lisowsky
- [4] *The Information Content of Loan Contract Disclosures*
under review, with I. Brancaccio, and P. Demeré
- [3] *It's the Human Touch! Performance of Large Language Models in Highly-Specific Domains*
under review, with M. Gietzmann, and C.M. Lewis
- [2] *Tax-motivated Share Repurchases and Corporate Investment During Crisis* [↗](#)
under review, with C. D'Augusta, and A. De Vito
- [1] *Goodness-of-Fit Indices and Diagnostics for Topic Models*
with C.M. Lewis

WORK IN PROGRESS

- [3] *M&A Bankers' Human Capital: The Role of Expertise, Connections, and Background in Deal Making*
with A. Ellahie, and R. Vincenzi
- [2] *Ties That Bind: Social Networks, Pressure, and CEO Wrongdoing*
with L. Bullini Orlandi, A. De Vito, and P. Demeré
- [1] *Disclosure Cascade: a Hawkes Process Approach*
with M. Gietzmann

RESEARCH GRANTS AND AWARDS

CIVICA Research Grant EXECML <i>Using Machine Learning to Uncover Subjective Incentives in Executive Compensation</i> 35,000 € – with J.P. Gomez (IE University), K. Valogianni (IE University) and Mariya Ivanova (NHH and HSS)	2024 – 2026
Bocconi Teaching Award for Innovation <i>I got awarded for innovation in teaching for the course Introduction to Blockchain</i>	2023 - 2024
CIVICA Faculty Short Visits Program <i>Optimal Benchmarking for Mutual Fund Performance Evaluation with Natural Language Processing</i>	March 2024 IE University
Bocconi Senior Research Grant (Co-PI) <i>Multi-modal Communication in Corporate Reporting: Combining Words and Images in Corporate Disclosure</i> 9,000 € – with A. Caglio (Bocconi University)	2020 – 2021
Bocconi Junior Research Grant (PI) <i>edgartools: an Open Source Library to Efficiently Collect Financial Filings from SEC EDGAR Database</i> 8,000 €	2019 – 2020

TEACHING

I have developed and currently direct multiple, high-demand and popular courses at Bocconi University, driving the integration of Data Science, AI, and Computational Methods into both the MSc. and BSc. curricula. This involved designing and coordinating course content. My efforts ensure students master advanced analytical techniques, from Natural Language Processing (NLP) to Blockchain fundamentals, preparing them to be data-fluent leaders in accounting and finance.

Bocconi University (current teaching)

<i>Big Data for Business Decisions</i>	MSc. Elective
<i>Statistical and Computational Methods in Accounting (Bachelor in AI)</i>	BSc. Elective
<i>Introduction to Blockchain</i>	BSc. Elective

Bocconi University (past teaching)

<i>Accounting and Financial Statement Analysis - Module I</i>
<i>Deep Learning for Computer Vision</i>

Computer Programming and Database Systems

SDA Bocconi School of Management

Mastering Data for Insurance - Natural Language Processing Module

Executive Custom Program

NHH and Free University of Bozen

2024 - 2025

Introduction to Blockchain (offered at BSc. and MSc. level, respectively)

EDITORIAL AND COMMUNITY SERVICE

Editorial Board

2026 - 2029

Editorial Board Member of *Accounting in Europe* (a journal of the European Accounting Association)

4th Edition - Bocconi Accounting Symposium

June 22 - 23, 2026

Scientific Program Coordinator

Reviewer

2018 - Current




Journal of Accounting and Public Policy | *Journal of Business, Finance, and Accounting* |
Financial Accounting and Reporting Section (FARS)

MSc./BSc. Advisor

2018 - Current

Over the years, I served as the advisor of more than 40 MSc. and 30 BSc. students






BOOKS AND MONOGRAPHS

- [3] *Value Relevance Of Textual Characteristics – Evidence from Annual Reports of U.S. Listed Firms* 
Springer - SIDREA Series in Accounting and Business Administration (2025), with O. Bogachek
- [2] *Tax Avoidance Research: Exploring Networks and Dynamics of Global Academic Collaboration* 
Springer - SIDREA Series in Accounting and Business Administration (2024), with A. De Vito.
- [1] *Python for non-Pythonians: How to Win Over Programming Languages* 
Bocconi University Press - Egea Editore (2019), with G. Rubera

PUBLICATIONS IN ITALIAN

- [3] *L'Intelligenza Artificiale nel rilevamento, prevenzione e gestione delle frodi contabili e fiscali*
Bilancio e Revisione (2024), with C. D'Augusta and A. De Vito
- [2] *L'analisi testuale della disclosure finanziaria: dal machine learning al deep learning*
Rivista dei Dottori Commercialisti (2022), with C. D'Augusta and A. De Vito
- [1] *Quando le immagini diventano un serbatoio di dati per le aziende*
ECONOMIA & MANAGEMENT (2022), with P. Cillo and G. Rubera

OTHER PUBLICATIONS


- [5] *Environmental Awareness and Shareholder Proposals: The Case of the Deepwater Horizon Oil Spill Disaster* 
Corporate Governance: The International Journal of Business in Society (2024), with O. D'Augusta and C. Imperatore
- [4] *Words and numbers: A disagreement story from post-earnings announcement return and volume patterns* 
Finance Research Letters (2023), with A. De Vito and C. D'Augusta
- [3] *How did Covid-19 affect investors' interpretation of earnings news? The role of accounting conservatism* 
Finance Research Letters (2023), with C. D'Augusta
- [2] *Functional recovery after rotator cuff repair for full thickness tear: the role of biceps surgery* 
Journal of Sport Rehabilitation (2018), with B. Gialanella, M. Mazza, L. Danna, L. Comini
- [1] *Is there any additional effect of tele-assistance on long term care programs in hypercapnic COPD patients?* 
Journal of Chronic Obstructive Pulmonary Disease (2016), with M. Vitacca, M. Paneroni, N. Ambrosino

TALKS


- 2026: 48-th EAA Annual Congress, Prague | NHH Invited Seminar (Bergen, NO) | BI Invited Seminar (Oslo, NO)).
- 2025: 47-th EAA Annual Congress, Rome, Italy (*discussant*).
- 2024: CIVICA Faculty Short Visit Seminar at IE University.
- 2023: EAA Congress at Aalto University, Helsinki (FI) | University of Padua, Italy
- 2022: EAA Congress at NHH, Bergen (NO) | NHH Seminar Series
- 2021: University of Bologna, Italy
- 2020: Portsmouth Business School (UK)
- 2019: AAA Annual Meeting, San Francisco (USA) | IIRAF, Beijing, China.
- 2018: EAA Congress at Bocconi University, Milan, Italy
- 2017: IE University
- 2016: 48th Scientific Meeting of the Italian Statistical Society University of Salerno, Italy | 8th IMA Conference, London, UK


MEDIA COVERAGE

FT Talent Challenge Podcast

How To Navigate Blockchain | [Listen here](#) 


Il Sole 24 Ore


Blockchain, un mondo oltre le criptovalute | [Listen here](#)  (Italian only)


Imprese: alla notte dei ricercatori fari accesi sulle “parole dei bilanci” | [Read it here](#)  (Italian only)


Bocconi Knowledge

Taxation and AI, with P. Demeré (page 50) | [Read it here](#) 


Corporate Codes of Conduct Go Beyond Impression Marketing | [Read it here](#) 

To Understand Financial Disclosures, Transform Words Into Numbers | [Read it here](#) 

Finding the Perfect Number | [Read it here](#) 

Blockchain among the Elective Courses for BSc Students | [Read it here](#) 

Corriere della Sera

Democrazia e sicurezza grazie alla Blockchain? Entriamo nel futuro a... | [Read it and listen here](#)  (Italian only)

Facebook cancella un miliardo di volti. Ma è davvero la fine del riconoscimento facciale? | [Read it and listen here](#)  (Italian only)

Other

Predicting Firms' Taxes | [Read it here](#)  on the *Südtiroler Wirtschaftszeitung*

Financial Statements: What They Reveal About Firms' Risks and Prospects | [Read it here](#)  on the *Südtiroler Wirtschaftszeitung*