

## PERSONAL INFORMATION

## Massimiliano Ferrara, Prof. Ph.D



1. Department of Law, Economics and Human Sciences, University "Mediterranea" of Reggio Calabria, Italy (Di.Gi.ES) - University "Mediterranea" of Reggio Calabria – Cittadella Universitaria, Via dell'Università 25 - 89124 Reggio Calabria, Italia.

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Sex: MALE | Date of birth: 08/06/1972 | Nationality: ITALIAN

JOB APPLIED FOR  
POSITION  
PREFERRED JOB  
STUDIES APPLIED FOR

- **Full Professor** in Mathematical Methods for Economics, Actuarial Science and Finance – *Department of Law, Economics and Human Sciences – University Mediterranea of Reggio Calabria*
- **Visiting Professor** at *Advanced Computing Lab - Faculty of Engineering and Natural Sciences - Istanbul OKAN University (Turkey)*
- **Research Affiliate** – *The Invernizzi Center for Research in Innovation, Organization, Strategy and Entrepreneurship (ICRIOS), Università Commerciale L. Bocconi.*

## WORK EXPERIENCE

Master's degree in Economics (MSc) *cum laude* (1995) and a PhD in "Mathematical Modeling in Economics and Finance" *cum laude* both from University of Messina (2001) and two post-master's studies *cum laude* from University of Naples Federico II (on Mathematical Economics - 1998) and Scuola Normale Superiore - Pisa (on Mathematical Finance - 2001)

### Academic Career

Full Professor of "Mathematical Economics" and "Business Analytics" at "Mediterranea" University of Reggio Calabria (since 2016), where he was PhD School Coordinator, Vice Rector to strategic planning, development and general affairs, Member of the Academic Senate and Chairman Department of Law, Economics and Human Sciences. He has served as Researcher and Assistant Professor in Mathematical Economics, Mathematical Finance and Risk Theory from 2000 to 2002 at University of Messina, Associate Professor from 2002 to 2007 at University of Messina and successively from 2007 to 2016 at University Mediterranea. Full Member (Socio Ordinario) at Accademia Peloritana dei Pericolanti - Classe I Scienze Fisiche Matematiche e Naturali since 2017 (Aggregate Member from 2002 to 2016).

### Professional Activities

Research Affiliate at ICRIOS – "The Invernizzi Center for Research on Innovation, Organization, Strategy and Entrepreneurship", Bocconi University since 2013 and President of Scientific Committee of MEDAlics Research Centre - University "Dante Alighieri" of Reggio Calabria and Scientific Director of Decisions\_LAB at University Mediterranea. He served as: President of Research Institute "IRITMED" - Istituto di Ricerca per l'Innovazione e la Tecnologia nel Mediterraneo" (2014-2019), General Counsel of Fondazione Banco di Napoli (2013-2015), Vice Rector at University for foreigners "Dante Alighieri" of Reggio Calabria (2009-2010) and Director (Head) of Department of Culture, University and Research of Calabria Region, Italy (2010-2013). Member of the AMASES Scientific Committee (2017-2022) and re-elected on (2025-current). Council Full Member Delegate at European Mathematical Society EMS (2020-current). Member of Evaluation Board at "Politecnico di Torino (2022).

### International Research Experiences

Visiting Professor at Advanced Computing Lab - Faculty of Engineering and Natural Sciences - Istanbul OKAN University (Turkey). He was in time Visiting Professor at Harvard University, Cambridge (USA), Western Michigan University (USA), Morgan State University, Baltimore (USA), Northeastern University di Boston (USA) and Center for Dynamics of Dresden University of Technology (Germany). Member of the Mathematical Association of America and of the Indian Academy of Mathematics.

## EDUCATION AND TRAINING

Publications  
Conferences  
Seminars  
Honours and awards  
Memberships  
References

### Editorship and Publications

Editor, Co-Editor, Associate Editor for several Journals. In particular: Scientific Reports NATURE (Editorial Board Member), Mathematics - MDPI Section Financial Mathematics (Editor in Chief, 2022-2024), Applied Sciences (Editor, 2008-2023), Dynamic Games and Applications, Soft Computing, Journal of Dynamics and Games, Journal of the Calcutta Mathematical Society, Annales Mathématiques Silesianae (Associate Editor), The Journal of Indian Academy of Mathematics (Advisory Board).

Lead Guest Editor and Guest Editor of over 20 Special Issues on: Annals of Operations Research, Soft Computing, Mathematics - MDPI, Information Processing and Management, Symmetry - MDPI, Sustainable Computing: Informatics and Systems and so on.

He is actually serving as Referee over 200 international Scientific Journal in economics, pure and applied mathematics inserted on SCOPUS, WoS, MathSciNet.

Author and co-author of over 200 papers on peer-review and WoS and Scopus Journal and 10 monographs.

Among the international journals in which the papers have been published we may cite:

Scientific Reports Nature, Journal of Cleaner Production, Applied Soft Computing, CHAOS, Chaos Solutions and Fractals, Annals of Operational Research, Results in Physics, Chemosphere, Dynamic Games and Applications, Proceedings of The American Mathematical Society, Journal of Mathematical Analysis and Applications, Journal of Optimization Theory and Applications, Journal of Global Optimization, Optimization Letters, Journal of Mathematical Economics, Applied Mathematics and Computation, Proceedings A - Royal Society of London: Mathematical, Physical and Engineering Sciences, Scientometrics, Decisions in Economics and Finance, Advances in Nonlinear Analysis, Sustainable Cities and Society, Results in Engineering, EMS Magazine. **The full list is available on:** [https://www.digies.unirc.it/scheda\\_persona.php?id=787](https://www.digies.unirc.it/scheda_persona.php?id=787)

### Bibliometry

SCOPUS: 235 items, 2816 citations, **H-index: 28**

WoS Clarivate: 189 items, 2220 citations, **H-index: 26**

Scholar Google: 446 items, 4256 citations, **H-index: 34**

### Research Interests

Mathematical Economics, Game Theory, Explainable Artificial Intelligence (XAI), Machine and Deep Learning Modeling, Business Analytics, COVID-19 Epidemic Modeling, Optimization Theory, Nonlinear Analysis, Dynamical Systems, Applied Economics.

### Awards and Recognitions

2023 - World's Top 2 % Scientists 2022 (by Elsevier-Stanford University)

2023 - "SIGMA Xi" Official Member nomination

2022 - World's Top 2 % Scientists 2021 (by Elsevier-Stanford University)

2016 - Silver Medal - Universiti PUTRA Malaysia- Invention, Research and Innovation Exhibition (PRPI) 2016 by Research Project: "Simple Motion Pursuit and Evasion Differential Games with many Pursuers on Manifolds with Euclidean Metric";

2015 - He was cited in the prestigious US Encyclopedia Hmolpedia on thermodynamics and the theoretical and applied physics, for offering a decisive contribution to the creation and development of the scientific theory called "Economic geometric dynamics".

2010 - Hepites Award" by Romanian Academy of Science 2010 - "Knight Order of Merit" of the Italian Republic for international scientific merits".

### Grants (as Principal Investigator) - Total amount got 1.800.000 euros

2022 - Deputy Principal Investigator - PRIN 2022 PNRR Project by title: "Climate risk and uncertainty: environmental sustainability and asset pricing". PNRR - Missione 4, Componente 2, Investimento 1.1 - Bando Prin 2022 PNRR.

2019 - Scientific Coordinator - Project by title: "MEC - Marketplace Ecosostenibile Calabria". Ministero dello Sviluppo Economico Fondo per la Crescita Sostenibile - Sportello "Agrifood" PON I&C 2014-2020.

2006 - Scientific Coordinator- Project by title: "Economic Geometric Dynamics", funded by Italian Ministry of Foreign Affairs under the Executive Programme of scientific and technological cooperation between Italy and Romania during 2006-2008.

2005- Scientific Coordinator - Project by title: "Econophysics models for the study of chaotic and complex social-economic systems", funded by Italian Ministry of Foreign Affairs under the Executive Programme of scientific and cultural cooperation between Italy and Estonia during 2005-2008.

(January, 2025)

*"According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV"*

*Prof. Dr. Massimiliano Ferrara*