

CURRICULUM VITAE - FABIO G. LAMANTIA

PERSONAL INFORMATION

Name: Fabio Giovanni Lamantia
Address: Department of Economics and Business
University of Catania (Italy)
Corso Italia 55, I-95100 Catania (CT)
e-mail: fabio.lamantia@unict.it

ACADEMIC POSITION

- **Full Professor** of Mathematics for Economics and Finance (SECS-S/06), University of Catania (Italy), 2023-to present
- **Full Professor** of Mathematics for Economics and Finance (SECS-S/06), University of Calabria (Italy), 2020-2023
- **Coordinator of the Ph.D. Program** in ECONOMIC, MANAGEMENT and DECISION MAKING (EMADE) - University of Catania, 2025-to present
- **Coordinator of the Ph.D. Program** in ECONOMIC and BUSINESS SCIENCES - University of Calabria, 2021-2023
- **Associate Professor** of Mathematics for Economics and Finance (SECS-S/06), University of Calabria (Italy), 2006-2020
- **Assistant Professor** of Mathematics for Economics and Finance (SECS-S/06) University of Calabria (Italy), 2001-2006

QUALIFICATIONS

- **Full Professor** qualification (Italian habilitation) in the competition sector 13/A1 (*Economics*), 2017-to present
- **Full Professor** qualification (Italian habilitation) in the competition sector 13/A2 (*Political Economy*), 2017-to present.
- **Associate Professor** qualification (Italian habilitation) in the competition sector 13/A1 (*Economics*), 2014-to present

RESEARCH INTERESTS

Dynamical systems and their applications to economics, finance and actuarial science, with particular reference to Oligopolies and Natural resource exploitation; Dynamic and Evolutionary Game Theory; Differential and difference games; Models with bounded rational agents; Global bifurcations and critical curves; Multi-stability (coexisting attractors) in dynamic economic models; Synchronization theory for

dynamical systems; Piecewise smooth maps; Dynamic Networks; Static and Dynamic optimization; Financial Risk Theory; Decision Theory; Multi-Criteria Decision Aid (MCDA).

PUBLICATIONS

Publications in Referred Journals

- Anufriev, M. Lamantia, F.; Radi, D.; Tichy, T. (2025) Leaning against the wind in the New Keynesian model with heterogeneous expectations, *Journal of Economic Dynamics and Control*
- Lamantia, F.; Radi, D.; Tichy, T. (2025) Benefits and perils of integrated data systems in managing sustainable fishing quotas, *Environmental and Resource Economics*, 1-39
- Lamantia, F.; Radi, D.; Tichy, T. (2024) Two-Population Evolutionary Oligopoly with Partial Cooperation and Partial Hostility, *Computational Economics*, 117, 106975d
- Anufriev, M., Tichý, T., Lamantia, F., Radi, D. (2023) *An asset pricing model with accuracy-driven evolution of heterogeneous expectations*, *Communications in Nonlinear Science and Numerical Simulation*, 117, 106975d.
- Bischi, G.I., Lamantia, F. (2022) *Evolutionary oligopoly games with cooperative and aggressive behaviors*, *Journal of Economic Interaction and Coordination*, 17-1, 3-27.
- De Giovanni, D., Lamantia, F., Pezzino, M., (2023) *Evolutionary dynamics of compliance in a two-population game of auditors and taxpayers*, *Communications in Nonlinear Science and Numerical Simulation*, 117, 106945.
- Cerboni Baiardi, L., Lamantia F. (2022) *Oligopoly dynamics with isoelastic demand: The joint effects of market saturation and strategic delegation*, *Chaos, Solitons and Fractals*, 158, 112057.
- Tichý, T., Radi, D., Lamantia, F. (2022) *Hybrid evolutionary oligopolies and the dynamics of corporate social responsibility*, *Journal of Economic Interaction and Coordination*, 17-1, 87-114.
- Lamantia, F., Pezzino, M., Scardamaglia, B., Tramontana, F. (2022) *A discontinuous model of duopoly with isoelastic demand and innovation costs*, *Chaos, Solitons and Fractals*, 158, 112015.
- Lamantia F., Pezzino M. (2021) *Social norms and evolutionary tax compliance*, *Manchester School*, 89-4, 385-405.
- Lamantia, F., Radi, D., Tichý, T. (2021) *Hybrid dynamics of multi-species resource exploitation*, *Decisions in Economics and Finance*, 44-2, 559-577.
- Bischi G.I., Lamantia F., Radi D. (2021) *Offshoring, Reshoring, Unemployment, and Wage dynamics in a two-country evolutionary model*, *Macroeconomic Dynamics*, 25-3, 705-732.
- Cerboni Baiardi L., Costabile M., De Giovanni D., Lamantia F., Leccadito A., Massabó I., Menzietti M., Pirra M., Russo E., Staino A. (2020) *The Dynamics of the S&P 500 under a Crisis Context: Insights from a Three-Regime Switching Model*. *Risks*, 8-3, ISSN: 2227-9091, doi: 10.3390/risks8030071
- Bischi, G.I., Lamantia, F., Scardamaglia, B. (2020) *On the influence of memory on complex dynamics of evolutionary oligopoly models*, *Nonlinear Dynamics*, 102-2, 1097-1110.
- De Giovanni, D. Lamantia F., Pezzino M. (2019) *A behavioral model of evolutionary dynamics and optimal regulation of tax evasion*, *Structural Change and Economic Dynamics*, 50, 79-89.

- Lamantia F., Negriu A., Tuinstra J. (2018) *Technology choice in an evolutionary oligopoly game*, **Decisions in Economics and Finance**, 2.
- Kopel M., Lamantia F. (2018) *The persistence of social strategies under increasing competitive pressure*, **Journal of Economic Dynamics & Control**, 91, 71-83.
- Lamantia, F. Radi, D., (2018) *Evolutionary technology adoption in an oligopoly market with forward-looking firms*, **CHAOS**, 28-5.
- De Giovanni, D. Lamantia F. (2018) *Dynamic harvesting under imperfect catch control*, **Journal of Optimization Theory and Applications**, 176-1, 252-267.
- Lamantia F., Pezzino M., Tramontana F. (2018) *Dynamic analysis of discontinuous best response with innovation*, **Journal of Economic Dynamics & Control**, 91, 120-133,
- Lamantia, F., (2018) *Emergence of competition and cooperation in an evolutionary resource war model*, **Communications in Nonlinear Science and Numerical Simulation**, 58, 274-286.
- Lamantia F., Pezzino M. (2018) *The dynamic effects of fiscal reforms and tax competition on tax compliance and migration*, **Review of International Economics**, 26-3, 672-690.
- De Giovanni, D., Lamantia, F. (2017) *Evolutionary dynamics of a duopoly game with strategic delegation and isoelastic demand*, **Journal of Evolutionary Economics**, 27(5), 877-903.
- Lamantia, F. (2017) *Evolutionary modeling in environmental economics*, **Journal of Difference Equations and Applications**, 23-7, 1255-1285.
- De Giovanni, D., Lamantia, F. (2016) *Control Delegation, information and beliefs in evolutionary oligopolies*, **Journal of Evolutionary Economics**, 26-5, 1089-1116.
- Lamantia, F., Pezzino, M., (2016) *Evolutionary Efficacy of a Pay for Performance Scheme with Motivated Agents*, **Journal of Economic Behavior and Organization**, 125, 107-119. [JEBO Editors' choice article 2016].
- Lamantia F., Pezzino M., (2016) *R&D spillovers on a Salop circle*, **Managerial and Decision Economics**, 37-7, 485-494.
- Bischi G.I., Lamantia F., Radi D. (2015) *An evolutionary Cournot model with limited market knowledge*, **Journal of Economic Behavior and Organization**, 116, 219-238.
- Cerboni Baiardi L., Lamantia F., Radi D. (2015) *Evolutionary competition between boundedly rational behavioral rules in oligopoly games*, **Chaos, Solitons & Fractals**, 79, 204-225.
- Cellini R., Lamantia F. (2015) *Quality competition in markets with regulated prices and minimum quality standards*, **Journal of Evolutionary Economics**, 25-2, 345-370.
- Lamantia F., Radi D. (2015) *Exploitation of renewable resources with differentiated technologies: an evolutionary analysis*, **Mathematics and Computers in Simulation**, 108, 155-174.
- Kopel M., Lamantia F., Szidarovszky F. (2014) *Evolutionary Competition in a Mixed Market with Socially Concerned Firms*, **Journal of Economic Dynamics & Control**, 48, 394-409.
- Bischi G.I., Lamantia F., Tramontana F. (2014) *Sliding and oscillations in fisheries with on-off harvesting and different switching times*, **Communications in Nonlinear Science and Numerical Simulation**, 19, 216-229.

- Bischi G.I., Lamantia F., Radi D. (2013) *A prey-predator fishery model with endogenous switching of harvesting strategy*, **Applied Mathematics and Computation**, 219-20, 10123-10142.
- Bischi G.I., Lamantia F., Radi D. (2013) *Multi-species exploitation with evolutionary switching of harvesting strategies*, **Natural Resource Modeling**, 26-4, 546-571.
- Bischi G.I., Lamantia F. (2012) *A dynamic model of oligopoly with R&D externalities along networks: Part I*, **Mathematics and Computers in Simulation**, 84, 51-65.
- Bischi G.I., Lamantia F. (2012) *A dynamic model of oligopoly with R&D externalities along networks: Part II*, **Mathematics and Computers in Simulation**, 84, 66-82.
- Bischi G.I., Lamantia F. (2012) *Routes to complexity induced by constraints in Cournot oligopoly games with linear reaction functions*, **Studies in Nonlinear Dynamics & Econometrics**, 16-2.
- Bischi G.I., Lamantia F., Sushko I. (2012) *Border Collision Bifurcations in a simple oligopoly model with constraints*, **International Journal of Applied Mathematics & Statistics**, 26-2, 121-135.
- Lamantia F. (2011) *A nonlinear duopoly with efficient production-capacity levels*, **Computational Economics**, 38 (3), 295-309.
- Angilella S., Giarlotta A., Lamantia F. (2010) *A Linear implementation of Passive and Active Compensability Multicriteria ANALYSIS (PACMAN)*, **European Journal of Operational Research**, 205-2, 401-411.
- Bischi G.I., Lamantia F., Sbragia L. (2009) *Strategic interaction and imitation dynamics in patch differentiated exploitation of fisheries*, **Ecological Complexity**, 6, 353-362.
- Iaquinta G., Lamantia F., Massabò I., Ortobelli S. (2009) *Moment based approaches to value the risk of contingent claim portfolios*, **Annals of Operation Research**, 165-1, 97-121.
- Bischi G.I., Lamantia F. (2007) *Harvesting Dynamics in protected and unprotected areas*, **Journal of Economic Behavior and Organization**, 62-3, 348-370.
- Lamantia F., Ortobelli S., Rachev S. (2006) *VaR, CVAR, and Time Rules with Elliptical and Asymmetric Stable Distributed Returns*, **Investment Management and Financial Innovations**, 3-4, 19-39
- Lamantia F., Ortobelli S., Rachev S. (2006) *An empirical comparison among VaR models and time rules with elliptical and stable distributed returns*, **Investment Management and Financial Innovations**, 3-3, 8-29.
- Lamantia F., Sbragia L. (2006) *A dynamic model of patch differentiated exploitation of fisheries*, **Pure Mathematics and Applications**, 16-4, 411-427.
- Lamantia F. (2006) *Variable Effort Management of Renewable Natural Resources*, **Chaos, Solitons & Fractals**, 29-3, 771-782.
- Angilella S., Greco S., Lamantia F., Matarazzo B. (2004) *Assessing non-additive utility for Multicriteria decision aid*, **European Journal of Operational Research**, 158, 734-744.
- Lamantia F., Ortobelli S., Rachev S. (2004) *Time-Scale Transformations: Effects on VaR models*, **Lecture Notes on Computer Science**, 3039, 779-786.
- Bischi G.I., Lamantia F. (2004) *A competition Game with knowledge accumulation and spillovers*, **International Game Theory Review**, 6-3, 323-341.

- Bischi G.I., Lamantia F. (2002) *Nonlinear Duopoly Games with positive cost externalities due to spillover effects*, *Chaos, Solitons & Fractals*, 13, 805-822.

Publications in referred multi-author books

- De Giovanni, D., Lamantia, F., Pezzino, M. (2020) **Evolutionary tax evasion, prospect theory and heterogeneous taxpayers**, *Games and Dynamics in Economics*, Springer, in: Szidarovszky F., Bischi G. (eds) *Games and Dynamics in Economics*. Springer, Singapore https://link.springer.com/chapter/10.1007/978-981-15-3623-6_5
- Bischi G.I., Kopel, M., Lamantia F., Radi D. (2018) **Knowledge spillovers, congestion effects, and long run location patterns**, in P. Commendatore et al. (Eds.), *The Economy as a Complex Spatial System*, Springer Proceedings in Complexity, DOI 10.1007/978-3-319-65627-4.11.
- Bischi, G.I., Lamantia, F., Radi D. (2018) **Evolutionary oligopoly games with heterogeneous adaptive players**, in L.C. Corchon, M.A. Marini (Eds.), *Handbook of Game Theory and Industrial Organization*. Elgar Publishing, ISBN 978 1 78536327 6.
- Bischi, G.I., Lamantia, F., Radi, D. (2016) **Qualitative Methods in Continuous and Discrete Dynamical Systems**, in Bischi, Radi, Panchuk (Eds.), *Qualitative Theory of Dynamical Systems, Tools and Applications for Economic Modelling*, Springer Proceedings in Complexity pp 1-159, DOI 10.1007/978-3-319-33276-5_1, Print ISBN 978-3-319-33274-1, Online ISBN 978-3-319-33276-5.
- Lamantia, F., Radi, D., Sbragia L. (2016) **Dynamic Modeling in Renewable Resource Exploitation** in Bischi, Radi, Panchuk (Eds.), *Qualitative Theory of Dynamical Systems, Tools and Applications for Economic Modelling*, Springer Proceedings in Complexity pp 257-289, DOI 10.1007/978-3-319-33276-5_5, Print ISBN 978-3-319-33274-1, Online ISBN 978-3-319-33276-5.
- Bischi, G.I., Lamantia, F., Viganò, E. (2016) **Evolutionary Oligopoly Models of Commercial Fishing with Heterogeneities**, in P. von Mouche, F. Quartieri (Eds.), *Equilibrium Theory for Cournot Oligopolies and Related Games*, Springer Series in Game Theory, pp 203-232; DOI 10.1007/978-3-319-29254-0_13, Print ISBN 978-3-319-29253-3, Online ISBN 978-3-319-29254-0.
- Bischi G.I., Lamantia F. (2015) **R&D networks**, in P. Commendatore, S. Kayam, I. Kubin (Eds.), *Complexity and Geographical Economics*, Series: Dynamic Modeling and Econometrics in Economics and Finance, Volume 19, Springer, 277-299; ISBN: 978-3-319-12804-7 (Print) 978-3-319-12805-4 (Online).
- Kopel M., Lamantia F., (2013) **Global bifurcations in a complementarity game**, in G.I. Bischi, C. Chiarella, I Sushko (Eds.), *Global Analysis of Dynamic Models in Economics and Finance*, Springer, 83-102; ISBN 978-3-642-29502-7.
- Cerchiara R., Lamantia, F. (2012) **Piecewise linear dynamic systems for own risk solvency assessment**, in C. Perna, M. Sibillo (Eds.), *Mathematical and Statistical Methods for Actuarial Sciences and Finance*, Springer, 87-94, ISBN 978-88-470-2341-3.
- Bischi G.I., Lamantia F. (2011) **Knowledge accumulation in an R&D network**, in T. Puu and A. Panchuck (Eds.), *Nonlinear economic dynamics*. Nova Science Publishers, ISBN: 1616687886, ISBN 13: 9781616687885

- Gu E.G., Lamantia F. (2010) **Stock dynamics in stage structured multi-agent fisheries**, in C. Chiarella, G.I. Bischi and L. Gardini (Eds.), *Nonlinear Dynamics in Economics, Finance and Social Sciences*. Springer Verlag, ISBN: 978-3-642-04022-1, DOI 10.1007/978-3-642-04023-8, 55-72.
- Bischi G.I., Lamantia F. (2005) **Coexisting attractors and complex basins in discrete-time economic models**, in M. Lines (Ed.), *Nonlinear Dynamical Systems in Economics*. CISM Lecture Notes, Vol. 476, Wien-New York: Springer, 187-231.
- Lamantia F., Rossello D. (2004) **The Engineering of a Dynamic VaR**, in M.H. Hamza (Ed.), *Financial Engineering and Applications*. ISBN(CD): 0-88986-417-9 (2004).
- Bischi G.I., Lamantia F., Sbragia L. (2004) **Competition and cooperation in natural resources exploitation: An evolutionary game approach**, in C. Carraro and V. Fragnelli (Eds.), *Game Practice and the Environment*. Edward Elgar Publishing, 187-211.
- Bischi G.I., Lamantia F. (2002) **Chaos synchronization and intermittency in a Cournot Duopoly game with spillover effects**, in T. Puu and I. Sushko (Eds.), *Oligopoly Dynamics: Models and Tools*. Springer Verlag, ISBN 978-3-540-43186-2, 195-217.

Special Issues

- Bischi G.I., Cerboni-Baiardi L., Lamantia F., Radi, D., Nonlinear dynamics and game-theoretic modeling in economics and finance, *Annals of Operations Research*, 2024
- Gardini L., Lamantia F., Radi, D., Szidarovszky, F., Tramontana F. (2021) Foreword to the special issue “Nonlinear dynamics in economic modeling”, *Decisions in Economics and Finance*, 44-2, 485-487.
- Gardini L., Lamantia F., Tramontana F. (2015) Foreword to the special issue “Proceedings of the MDEF (Modelli Dinamici in Economia e Finanza – Dynamic Models in Economic and Finance) Workshop, Urbino 18th–20th September 2014”, *Chaos, Solitons & Fractals*, 79, 1.
- Gardini L., Lamantia F., Tramontana F. (2015) Foreword to the special issue of Mathematics and Computers in Simulation on complex dynamics in economics and finance, *Mathematics and Computers in Simulation*, 108, 1-2.

BIBLIOMETRIC INDICATORS (AS OF MAY 2023)

Scopus items: 70, citations: 887, h-index: 16 [Author ID 6506459954]

Google Scholar: items: 85, citations: 1460, h-index: 21, i-10-index: 36

MathSciNet: items: 39

FUNDING AWARDED AND RESEARCH PROJECTS

- Principal (co-)investigator of the **PRIN** project (Italian Research projects financed by the Italian Ministry of Education, University and Research) *TEC – Tax Evasion and Corruption: theoretical models and empirical studies. A quantitative-based approach for the Italian case*, Prot. 2022YMLS4T, in quality of Scientific coordinator of local unit (28-09-2023—02-2026).
- Member of the **EU-COST** Action (European Cooperation in Science and Technology) CA1628: “*European Network of Game Theory (GAMENET)*” (2017—2021), <https://gametheorynetwork.com>
- Principal (co-)investigator of the **PRIN** project (Italian Research projects financed by the Italian Ministry of Education, University and Research) “*Local interactions and global dynamics in economics*

and finance: models and tools (*Interazioni locali e dinamiche globali in economia e finanza: modelli e metodi*)”, in quality of Scientific coordinator of local unit (14-07-2011—14-07-2013).

- Member of the **EU-COST** Action (European Cooperation in Science and Technology) IS1104: “*The EU in the new complex geography of economic systems: models, tools and policy evaluation*” (6/1/2012—21/3/2016). http://www.cost.eu/domains_actions/isch/Actions/IS1104
- Principal Investigator of the **Young Researchers** project “Evolutive behavior and dynamical systems for the analysis of natural resource management”, financed by the University of Calabria in 2003.
- Member of the research project *Dynamic models for behavioral economics*, financed by DESP - University of Urbino, Italy (2016-2018).
- Scientific responsible of the research grant in SSD SECS-S/06 funded in 2019 under the POR Calabria FESR-FSE 2014/2020 - Line B) Action 10.5.12.
- Member of the **PRIN** projects:
 - “*Analisi Funzionale, Finanza Matematica ed Analisi Reale: scambi e supporti reciproci*”, (PRIN 2004), Principal Investigator Prof. P. De Lucia.
 - “*Analisi Reale e Teoria della Misura*”, (PRIN 2002), PI Prof. P. De Lucia.

EDITORIAL AND REVIEWER EXPERIENCE

- Associate Editor of **Journal of Dynamics and Games** (AIMS) ISSN 2164-6066, since January 2024.
- Associate Editor of **Dynamic Games and Applications** (Springer) ISSN 2153-0785, since October 2022.
- Associate Editor of **Frontiers in Applied Mathematics and Statistics**, ISSN 2297-4687, since October 2015.
- Special issue guest Editor of **Mathematics and Computers in Simulation** (Elsevier) on the topic Nonlinear dynamics in economics and finance, 2013.
- Special issue guest Editor of **Chaos, Solitons & Fractals** (Elsevier) on the topic Nonlinear dynamics in economics and finance, 2014.
- Special issue guest Editor of **Decisions in Economics and Finance** (Springer) on the topic Nonlinear dynamics in economic modeling, 2021.
- Special issue guest Editor of **Annals of Operations Research** (Springer) on the topic Nonlinear dynamics in economics and game theory, 2022
- Reviewer for **Mathematical Reviews** (American Mathematical Society, A.M.S.) since 2009 (over 80 reviews).
- Ad-hoc referee for the following journals:

Abstract and Applied Analysis (Hindawi); *Annals of the International Society of Dynamic Games* (Springer); *Annals of Operations Research* (Springer); *Applied Mathematics and Computation* (Elsevier); *Chaos - An Interdisciplinary Journal of Nonlinear Science* (AIP); *Chaos and Complexity letters* (Nova); *Chaos, Solitons, and Fractals* (Elsevier); *Communications in Nonlinear Science and Numerical Simulation* (Elsevier) – [Outstanding reviewer 2017]; *Computational Economics* (Springer); *Decisions in Economics and Finance* (DEF, Springer); *Discrete & Continuous Dynamical Systems – B* (American Institute of Mathematical Sciences); *Discrete Dynamics in Nature and Society* (Hindawi); *Dynamics Games and Applications* (Springer); *Ecological Economics* (Elsevier); *Economic Modelling* (Elsevier); *Economics Research International* (Hindawi); *Energy Economics*; *Environmental and Resource Economics* (EARE, Springer); *Environmental Modeling and Assessment*

(ENMO, Springer); *European Journal of Operational Research* (EJOR, Elsevier); *Frontiers in Applied Mathematics and Statistics*; *Frontiers in Ecology and Evolution*; *German Economic Review* (Wiley); *International Journal of Bifurcation and Chaos* (World Scientific); *International Journal of Game Theory* (Springer); *International Journal of Production Economics* (Elsevier); *International Transactions in Operational Research* (Wiley); *Italian Economic Journal* (Springer); *Journal of Behavioral and Experimental Economics*; *Journal of Bioeconomics* (Springer); *Journal of Business Research* (Elsevier); *Journal of Economic Behavior and Organization* (JEBO, Elsevier); *Journal of Economic Dynamics and Control* (JEDC, Elsevier); *Journal of Economic Interaction & Coordination* (Springer); *Journal of Economic Theory*; *Journal of Evolutionary Economics* (Springer); *Journal of Optimization Theory and Applications* (Springer); *Journal of Systems Science and Complexity* (JSSC, Springer); *Lecture Notes on Computer Science* (Springer); *Macroeconomic Dynamics* (Cambridge); *Mathematical Biosciences and Engineering*; *Mathematical and Computer Modelling* (Elsevier); *Mathematical Problems in Engineering* (Hindawi); *Mathematics and Computers in Simulation* (Elsevier) – [Outstanding reviewer 2017]; *National Tax Journal*; *Nonlinear Analysis B* (Elsevier); *Optimization letters*; *Pure Mathematics and Applications* (P.U.M.A.); *Quarterly Review of Economics and Finance* (Elsevier); *SIAM Journal of Dynamical Systems*; *Social Choice and Welfare* (Springer); *Springer series in Economics, Nonlinear Dynamics* (Springer); *The Manchester School* (Wiley); *The Quarterly Review of Economics and Finance* (Elsevier); *TOP* (Official Journal of the Spanish Society of Statistics and Operations Research, Springer);

ACADEMIC ASSOCIATIONS AND AFFILIATIONS

- A.M.A.S.E.S. (Associazione per la Matematica Applicata alle Scienze Economiche e Sociali, Italian Association for Mathematics Applied to Economic and Finance)
- I.S.D.G. (International Society of Dynamic Games)
- G.N.F.M. (Italian Group for Mathematical Physics), section 1 - Mechanics of discrete dynamical systems.
- International Society of Difference Equations (I.S.D.E.)

Past affiliations

- C.I.M.A.B. (Centro Interuniversitario per la Matematica Applicata a Biologia, Medicina ed Ambiente, Center for mathematics in Biology, medicine, and the environment)
- Game Theory Society
- S.I.C.C., (Società Italiana Caos e Complessità, Italian society for Chaos and Complexity).
- S.I.E., (Società Italiana degli Economisti, Italian Society of Economists)
- R.M.A. (Resource Modeling Association)

CONFERENCE ORGANIZATION AND COMMITTEE WORK

- President of the commission of evaluations for salary increments of university professors at the University of Calabria (years 2016-2018)
- University Ethics Commission, University of Calabria (2020-to present).
- Member of the Departmental Commissions for Resources allocation and Didactic Offer Review – DESF UNICAL (2020-2023).

- Responsible for POT (Plans for Orientation and Tutoring) for DESF Department and University of Calabria referent for POT "Orientation Project for Economics" of area 13 since 2018.
- Member of Unical working group for innovative teaching since 2018.
- Elected Member of the Executive Board of the *International Society on Dynamic Games* for the period 2016-2022, <http://www.isdg-site.org/Home/ShowText?key=Executive%20Board>
- Chair of the organizing committee of the 17th International Symposium on Dynamic Games and Applications, July 12-15, 2016, Urbino, Italy <https://www.gerad.ca/colloques/isdg2016/index.html>
- Member of the organizing committee of the 4th International Conference on Nonlinear Economic Dynamics 2005 (NED05), Urbino, July 2005.
- Member of the organizing committee of the Conference Progress on Difference Equations (Catholic University of Sacred Heart - Milan) 2023.
- Member of the organizing committee of the 19th International Symposium on Dynamic Games and Applications – Porto 2022.
- Member of the scientific committee of the conferences MDEF 2010, MDEF 2012, MDEF 2014, MDEF 2016, MDEF 2018, MDEF 2022 (Dynamical model in Economics and Finance), and the Training School on qualitative theory of dynamical systems, tools and applications (17-19 September 2015) all in Urbino.
- Member of the organizing committee of the workshop “Computational Methods for Financial Markets” (<http://www.iccs-meeting.org/iccs2006/>), organized within the ICCS 2006 (International Conference on Computational Science).
- Member of the Department Board (“Giunta del Dipartimento”) of the Department of Business Administration, University of Calabria, for a three-year mandate and of the Department of Economics, Statistics and Finance (2021-to present).
- Member of the selection committees for a position of Assistant Professor at the University of Catania (2005), at the University of Bergamo (2022), at the University of Calabria (2019 and 2022), at the University of Catania (2022), at the University of Urbino (2023); at the University of Foggia (2024); at the University of Turin (2024).
- Member of the selection committees for a position of Associate Professor at the University of Calabria (2021) and at the University of Bergamo (2022).
- Member of the selection committees for a position of Full Professor at the University of Bergamo (2020) and at the University of Sassari (2021).
- President of the jury for the awarding of the *Thomas (Tom) L. Vincent Best Paper Award* at the 18th Symposium of the International Society of Dynamic Games held in Valladolid on July 2024.
- Member of the jury for the awarding of the “*Best paper presented by a young scholar*” at the 18th Symposium of the International Society of Dynamic Games held in Grenoble on 9-12 July 2018; member of the jury for the awarding of the “*Best paper presented by a PhD*” at the 17th European Meeting on Game Theory (SING) on 11-13 July 2022.
- External evaluator for ANVUR VQR 2015-2019.

ACTIVITIES FOR PH.D. STUDENTS

- **Coordinator of the Ph.D. Program** in ECONOMICS, MANAGEMENT and DECISION MAKING (EMADE) - University of Catania, from 20/02/2025 to present.
- **Coordinator of the Ph.D. Program** in ECONOMIC and BUSINESS SCIENCES - University of Calabria, from March 2021 to September 2023.
- Member of the Advisory board of the Ph.D. Program in Statistics, Applied Statistics and Quantitative Finance, 21st, 22nd, 23rd editions, University of Palermo (Italy).
- Member of the Advisory board of the Ph.D. Program in Economics, 24th, 25th, 26th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th editions, University of Calabria (Italy).
- Member of the Board for Admission to the Ph.D. Program in Economics at the University of Calabria, 30th edition.
- External evaluator of final doctoral thesis at the University of Macerata (2018), University of Bergamo (2019).
- Supervisor of the PhD in Economics and Business Sciences, at the University of Calabria (XXXIII cycle) - PhD student Elena Iakimova.
- Member of the commission for the final Ph.D. exam in "Analytics for Economics and Business" at VŠB-TUO (Ostrava), February 2019.
- Member of the commission for the final Ph.D. exam in "Méthodes Quantitatives de Gestion" at the HEC - Université de Montréal, November 2019.
- Ph.D. Examiner in Mathematical Finance, Department of Actuarial Studies and Business Analytics, Macquarie Business School, Macquarie University, Sydney, Australia, December 2019.

VISITING POSITIONS

- Visiting scholar at the Finance Department of the Erasmus University, Rotterdam (NL), in the period June-August 2000.
- Visiting researcher at the University of Graz (May 2011, Lifelong Learning Program and May 2014, short-term Scientific mission – COST Action IS1104)
- Visiting researcher at the University of Amsterdam (UvA) (May 2013 and April 2014, short time scientific mission - COST Action IS1104)
- Visiting researcher at the University of Manchester (November 2013/May 2022)
- Visiting Professor, Department of Finance, VSB - Technical University of Ostrava, Czech Republic (September 2018)

TEACHING EXPERIENCE

At the University of Calabria, Italy

- *Mathematics for economics*, Bachelor of Business Administration, Academic Years (AYs) 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2010-2011, 2012-2013, 2014-2015 (10 ECTS), 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023 (12 ECTS).
- *Decision Theory and linear programming*, 5 ECTS, Bachelor of Touristic Sciences, AYs 2002-2003; 2003-2004, 2004-2005 and 2005-2006.
- *Mathematical Models for Business*, 10 ECTS, Bachelor of Touristic Sciences, AYs 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023 (6 ECTS).
- *General Mathematics* 10 ECTS, Bachelor of Business Administration, AY 2003-2004.
- *Financial Mathematics I*, 5 ECTS, Bachelor of Business Administration, AYs 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2012-2013 and 2015-2016.
- *Financial Mathematics II*, 5 ECTS, Second level degree in Business Administration, AYs 2005-2006, 2006-2007, 2007-2008, 2008-2009 and Financial Mathematics II (5 ECTS) for the Bachelor of Quantitative Methods in Economics (MQEGA), AY 2007-2008.
- *Mathematical Finance* (10 ECTS), Second level degree in Business Administration, AY 2009-2010; 2013-2014.
- *Mathematics for Economics III* (Advanced course), Second Level degree in Economics, AYs 2006-2007, 2007-2008 and 2015-2016.
- *Advanced Mathematics*, Ph.D. program in Economics, AY 2009-2010, 2010-2011, 2019-2020.
- *Warm-up Mathematics*, 2nd level Master in Business Administration (MBA), University of Calabria, a.y. 2018-2019 and 2019-2020.
- *Risk Management*, 2nd level Master in Data Science, University of Calabria, a.y. 2020-21 and 2021-22.
- Responsible for OFA 2020/2021 and 2021/2022 Entrance Test activities for Economics degree programs, DESF, University of Calabria.

At the University of Catania, Italy

- *Mathematics for economics*, 9 ECTS, Bachelor of Business Administration, Academic Years (AYs) 2023-2024; 2024-2025.
- *Mathematical Economics*, 9 ECTS, AYs 2023-2024; 2024-2025, Master degree in Economics and Public Administration, Faculty of Economics.
- *Mathematical Economics*, 2002-2003; 2003-2004; 2004-2005; 2005-2006; 2006-2007 and 2007-2008, Second Level degree in Economics, Faculty of Economics.
- Lecturer in General Mathematics, AYs 1997-98, 1998-99 and 1999-2000, Faculty of Economics.
- Teacher of *Advanced Mathematics* for the Ph.D. program in Agricultural Economics, Department of "Scienze Economico-Agrarie ed Estimative", AYs 1998-99, 1999-2000, 2004-2005, 2005-2006, 2006-2007.

LANGUAGES

- Italian (native speaker)
- English (fluent in spoken and written)
- German (intermediate in spoken and written)

Catania (CT, Italy), 13/06/2025