

Marco Dall'Aglio

Current position

- Associate Professor – Mathematical Methods in economics – LUISS University

Fields of interest

- Fair division theory – cooperative and noncooperative game theory

Education

- 1995: Dottorato di Ricerca in Mathematical Statistics – Università di Roma La Sapienza
- 1991: Laurea in Statistics – Università di Roma La Sapienza

Past academic positions

- 1996-2001 Ricercatore – University of Chieti-Pescara
- 2001-2009 Associate Professor – University of Chieti-Pescara

Teaching experience

- Mathematics for economists, Statistics, Operations research, Game theory, Probability theory, Decision theory, Mathematical finance

Scholarships

- 1999: CNR – Georgia Tech – School of Mathematics – Atlanta, U.S.A.
- 1996: CNR – Department of Statistics and Applied Probability – UC Santa Barbara, U.S.A.
- 1991: INDAM – Università di Roma La Sapienza

Publications

- [Characterization of the Bayesian Posterior Distribution in Terms of Self-information](#) 2017
M Dall'Aglio, P Hill Theodore
International Journal of Statistics and Probability 7 (1), 21-25
- [The Shapley value in the Knaster gain game](#) 2017
F Briata, A Dall'Aglio, M Dall'Aglio, V Fragnelli
Annals of Operations Research 259 (1-2), 1-19
- [Finding the Pareto Optimal Equitable Allocation of Homogeneous Divisible Goods Among Three Players](#) 2017
M Dall'Aglio, C Di Luca, L Milone
Operations Research and Decisions 27 (3), 35-50
- [Characterizing and Finding the Pareto Optimal Equitable Allocation of Homogeneous Divisible Goods Among Three Players](#) ¹ 2016
M Dall'Aglio, C Di Luca, L Milone
arXiv preprint arXiv:1606.01028
- [Dividing homogeneous divisible goods among three players](#) 2016
DA Marco, C Di Luca, M Lucia
DAGSTUHL REPORTS 6, 10-25
- [Orders of criticality in voting games](#) ¹ 2016
M Dall'Aglio, V Fragnelli, S Moretti
Operations Research and Decisions 26 (2), 53-67
- [Bounds for \$\alpha\$ -optimal partitioning of a measurable space based on several efficient partitions](#) ¹ 2015
M Dall'Aglio, C Di Luca

Journal of Mathematical Analysis and Applications 425 (2), 854-863

- [On Finding Optimal Partitions of Measurable Space](#) [1](#) 2015
M Dall'Aglio, J Legut, M Wilczyński
Mathematica Applicanda 43
- [On Bankruptcy Game Theoretic Interval Rules](#) [7](#) 2015
SHT Rodica Branzei, Marco Dall'Aglio
International Journal of Mathematics, Game Theory and Algebra 23 (4), 9-20
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- [Finding maxmin allocations in cooperative and competitive fair division](#) [6](#) 2014
M Dall'Aglio, C Di Luca
Annals of Operations Research 223 (1), 121-136
- [Bayesian Posteriors Without Bayes' Theorem](#) [4](#) 2012
TP Hill, M Dall'Aglio
arXiv preprint arXiv:1203.0251
- [Bayesian Posteriors Without Bayes' Theorem](#) 2012
DA Marco, TP Hill
- [Computing Values for Games of Cooperative Fair Division](#) 2012
DA Marco, C Di Luca
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- [Dynamic collusion and collusion games in Knaster's procedure](#) [2](#) 2012
F Briata, M Dall'Aglio, V Fragnelli
ACTA UNIVERSITATIS CAROLINAE. OECONOMICA, CZECH ECONOMIC REVIEW
6 (3), 199-208
- [Finding Maxmin Allocations in Cooperative and Competitive Fair Division](#) 2011
DA Marco, C Di Luca
Fondazione Eni Enrico Mattei
- [Cooperation in dividing the cake](#) [3](#) 2009
M Dall'Aglio, R Branzei, S Tijs
Top 17 (2), 417
- [Disputed lands](#) [11](#) 2009
M Dall'Aglio, F Maccheroni
Games and Economic Behavior 66 (1), 57-77
- [Allocation rules incorporating interval uncertainty](#) [7](#) 2009
R Branzei, M DALL'AGLIO
Operations Research and Decisions 2 (19), 19-28
- [Cooperation in Dividing the Cake](#) [1](#) 2008
M Dall'Aglio, R Branzei, SH Tijs
- [Interval Game Theoretic Division Rules](#) 2008
B Rodica, DA Marco, SH Tijs
Tilburg
- [How to allocate hard candies fairly](#) [10](#) 2007

- M Dall'Aglio, R Mosca
Mathematical Social Sciences 54 (3), 218-237
- [Strategic games on defense trees](#) 76 2006
S Bistarelli, M Dall'Aglio, P Peretti
International Workshop on Formal Aspects in Security and Trust, 1-15
- [Allocating Indivisible objects: integer linear programmin in fair division](#) 2006
M Dall'Aglio
XV Simposio Internacional de Metodos Matematicos Aplicados a las Ciencias, 58-58
- [Fair division without additivity](#) 12 2005
M Dall'Aglio, F Maccheroni
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- [Filling knapsacks with candies: Integer Linear Programming in Fair Division](#) 2004
M Dall'Aglio, R Mosca
- [Zonoids, linear dependence, and size-biased distributions on the simplex](#) 14 2003
M Dall'Aglio, M Scarsini
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- [Maximin share and minimax envy in fair-division problems](#) 14 2003
M Dall'Aglio, TP Hill
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- [Sensory rating and ranking table olives through permutation models](#) 2 2002
G Di Biase, M Dall'Aglio, V Marsilio, M Angelis
Journal of Commodity Science (Italy)
- [When Lorenz met Lyapunov](#) 3 2001
M Dall'Aglio, M Scarsini
Statistics & probability letters 54 (1), 101-105
- [The Dubins–Spanier optimization problem in fair division theory](#) 18 2001
M Dall'Aglio
Journal of computational and applied mathematics 130 (1-2), 17-40
- [On some applications of LSIP to Probability and Statistics](#) 8 2001
M Dall'Aglio
Semi-infinite Programming, 237-254
- [Optimization problems in fair division theory](#) 2 2000
M Dall'Aglio
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- [Metritzation of epi-convergence: an application to the strong consistency of M-estimators](#) 1999
M Dall'Aglio, ST Rachev
Journal of Computational Analysis and Applications 1 (1), 63-86
- [Problema dei momenti e programmazione lineare semi-infinita nella robustezza bayesiana](#) 6 1995
M Dall'Aglio
Ph. D. Thesis, Dip. Statistica, Probabilitae Statistiche Applicate ...

- [Bayesian robustness, moment problem and semi-infinite linear programming](#) 5 1994
M Dall'Aglio, G Salinetti
Poster Presented at the Fifth Valencia Meeting, Alicante (Spain), 5-9
- [Robust statistics: from classical to Bayesian analysis](#) 5 1994
C Caterina, DA Marco, PP Marco, S Gabriella
Metron 52 (3), 89-109
- [Ranking and unranking permutations with applications](#) 5 1970
F Critani, M Dall'Aglio, G Di Biase
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