N. Progr. 18125

List of titles and scientific publications
Competitive Sector: STAT-04/A MATHEMATICAL METHODS OF ECONOMICS AND FINANCIAL SCIENCES

Andrea SCOZZARI

Academic position

Scientific Disciplinary Area:	STAT-04/A - Mathematical methods of economics and actuarial and financial sciences
Qualification:	Full Professor
Seniority in the role:	15/12/2016
University Headquarters:	UNICUSANO University of Studies Niccolò Cusano - Telematics Rome
Relevant structure (department or other):	Faculty of ECONOMICS

Previously held positions at the same or other universities

Period	Role	Athenaeum
01/10/2009	Researcher	UNICUSANO Niccolò Cusano University - Rome
08/05/2014	Associate Professor	UNICUSANO Niccolò Cusano University - Rome
15/12/2016	Full Professor	UNICUSANO Niccolò Cusano University - Rome

Scientific publications

1	2024	Article F. Cesarone, M. L. Martino, F. Ricca, SCOZZARI A (2024). Managing ESG ratings disagreement in sustainable portfolio selection. COMPUTERS & OPERATIONS RESEARCH, vol. 170, p. 1-16, ISSN: 0305-0548, doi: https://doi.org/10.1016/j.cor.2024.106766
2	2024	Article F. Ricca, SCOZZARI A (2024). Portfolio optimization through a network approach: Network assortative mixing and portfolio diversification. EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol. 312, p. 700-717, ISSN: 0377-2217, doi: https://doi.org/10.1016/j.ejor.2023.07.010
3	2023	Article C. Drago, SCOZZARI A (2023). A Network-Based Analysis for Evaluating Conditional Covariance Estimates. MATHEMATICS, vol. 11, ISSN: 2227-7390, doi: 10.3390/math11020382
4	2023	Article E. Fernández, I. Lari, J. Puerto, F. Ricca, SCOZZARI A (2023). Connected graph partitioning with aggregated and non-aggregated gap objective functions. NETWORKS, ISSN: 0028-3045, doi: 10.1002/net.22181
5	2023	Article F. Ricca, SCOZZARI A (2023). Portfolio optimisation through a network approach: Network assortative mixing and portfolio diversification. EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, ISSN: 0377-2217, doi: https://doi.org/10.1016/j.ejor.2023.07.010
6	2022	Article J. Puerto, M. Rodríguez-Madrena, F. Ricca, SCOZZARI A (2022). A combinatorial optimization approach to scenario filtering in portfolio selection. COMPUTERS & OPERATIONS RESEARCH, vol. 142, 105701, ISSN: 0305-0548, doi: https://doi.org/10.1016/j.cor.2022.105701
7	2022	Article G. de Felice, A. Giuliani, D. Pincus, SCOZZARI A, V. Berardi, L. Kratzerf, W. Aichhorn, H. Scholler, K. Viol, G. Schiepek (2022). Stability and flexibility in psychotherapy process predict outcome. ACTA PSYCHOLOGICA, vol. 227, 103604, ISSN: 0001-6918, doi: doi.org/10.1016/j.actpsy.2022.103604

8	2022	Article R. Cordone, D. Franchi, SCOZZARI A (2022). Cardinality constrained connected balanced partitions of trees under different criteria. DISCRETE OPTIMIZATION, vol. 46, ISSN: 1572-5286
9	2021	Article M. Bruglieri, R. Cordone, I. Lari, F. Ricca, SCOZZARI A (2021). On finding connected balanced partitions of trees. DISCRETE APPLIED MATHEMATICS, vol. 299, p. 1-16, ISSN: 0166-218X, doi: https://doi.org/10.1016/j.dam.2021.04.002
10	2021	Article J. Puerto, F. Ricca, SCOZZARI A (2021). Locating a discrete subtree of minimum variance on trees: new strategies to tackle a very hard problem. DISCRETE APPLIED MATHEMATICS, vol. 289, p. 78-92, ISSN: 0166-218X, doi: https://doi.org/10.1016/j.dam.2020.09.015

11	2021	Article SCOZZARI A (2021). A network-based analysis of the dynamics of the Italian stock market. CHAOS AND COMPLEXITY LETTERS, vol. 15, p. 35-53, ISSN: 1556- 3995
12	2020	Article F. Cesarone, SCOZZARI A, F. Tardella (2020). An optimisation-diversification approach to portfolio selection. JOURNAL OF GLOBAL OPTIMIZATION, vol. 76, p. 245-265, ISSN: 0925-5001, doi: https://doi.org/10.1007/s10898-019-00809-7
13	2020	Article G. de Felice, A. Giuliani, O.C.G. Gelo, E. Mergenthaler, M.M. De Smet, R. Meganck, G. Paoloni, S. Andreassi, G.K. Schiepek, SCOZZARI A, F.F. Orsucci (2020). What Differentiates Poor-and Good-Outcome Psychotherapy? A Statistical-Mechanics-Inspired Approach to Psychotherapy Research, Part Two: Network Analyses. FRONTIERS IN PSYCHOLOGY, vol. 11, p. 1-13, ISSN: 1664-1078, doi: 10.3389/fpsyg.2020.00788.
14	2020	Article J. Puerto, M. Rodríguez-Madrena, SCOZZARI A (2020). Clustering and portfolio selection problems: A unified framework. COMPUTERS & OPERATIONS RESEARCH, vol. 117, p. 1-11, ISSN: 0305-0548, doi: https://doi.org/10.1016/j.cor.2020.104891
15	2020	Contribution in volume (Chapter or Essay) F. Ricca, SCOZZARI A (2020). Mathematical Programming Formulations for Practical Political Districting. In: Ríos-Mercado R.(eds). Optimal Districting and Territory Design. INTERNATIONAL SERIES IN OPERATIONS RESEARCH & MANAGEMENT SCIENCE, vol. 284, p. 105-128, Springer, Cham, ISBN: 978-3-030-34311-8, ISSN: 0884-8289, doi: https://doi.org/10.1007/978-3-030-34312-5_6

16	2019	Article G. de Felice, F. F. Orsucci, SCOZZARI A, O. Gelo, G. Serafini, S. Andreassi, N. Vegni, G. Paoloni, G. Lagetto, E. Mergenthaler, A. Giuliani (2019). What Differentiates Poor and Good Outcome Psychotherapy? A Statistical-Mechanics-Inspired Approach to Psychotherapy Research. SYSTEMS, vol. 7, p. 1-14, ISSN: 2079-8954, doi: https://doi.org/10.3390/systems7020022
17	2019	Article M. Cavaleri, A. Donno, SCOZZARI A (2019). Total Distance, Wiener Index and Opportunity Index in Wreath Products of Star Graphs. ELECTRONIC JOURNAL OF COMBINATORICS, vol. 26, p. 1-21, ISSN: 1077-8926
18	2019	Contribution to Conference Proceedings Bruglieri M., Cordone R., Lari I., Ricca, F., SCOZZARI A (2019). Some polynomial special cases for the minimum gap graph partitioning problem . In: Cologne-Twente Workshop on Graphs and Combinatorial Optimization (CTW 2018). Proceedings of the 16th Cologne-Twente Workshop on Graphs and Combinatorial Optimization, CTW 2018. p. 104-107, Paris (France), 18-20 June 2018.

19	2019	Monograph F. Ricca, SCOZZARI A (2019). THE ELECTORAL ALGORITHM BETWEEN POLITICAL AND TERRITORIAL REPRESENTATION: A NEW PROPORTIONAL SEAT ALLOCATION PROCEDURE. ROME:Chamber of Deputies, ISBN: 9788892003637
20	2018	Article J. Puerto, F. Ricca, SCOZZARI A (2018). Extensive facility location problems on networks: An updated review. TOP, vol. 26, p. 187-226, ISSN: 1134-5764, doi: DOI 10.1007/s11750-018-0476-5
21	2018	Article SCOZZARI A, F. Tardella (2018). Complexity of some graph-based bounds on the probability of a union of events . DISCRETE APPLIED MATHEMATICS, vol. 244, p. 186-197, ISSN: 0166-218X, doi: doi.org/10.1016/j.dam.2018.03.012
22	2018	Article D. Ponce, J. Puerto, F. Ricca, SCOZZARI A (2018). Mathematical programming formulations for the efficient solution of the k-sum approval voting. COMPUTERS & OPERATIONS RESEARCH, vol. 98, p. 127-136, ISSN: 0305-0548, doi: doi.org/10.1016/j.cor.2018.05.014
23	2018	Article I. Lari, J. Puerto, F. Ricca, SCOZZARI A (2018). Uniform and most uniform partitions of trees. DISCRETE OPTIMIZATION, vol. 30, p. 96-107, ISSN: 1572-5286, doi: https://doi.org/10.1016/j.disopt.2018.06.003

24	2018	Contribution in volume (Chapter or Essay) E. Salgado, SCOZZARI A, F. Tardella, L. Liberti (2018). Alternating current optimal power flow with generator selection. In: Lee J., Rinaldi G., Mahjoub A. (eds). Combinatorial Optimization. ISCO 2018. LECTURE NOTES IN COMPUTER SCIENCE, vol. 10856, p. 364-375, Cham:Springer, ISBN: 978-3-3-319-96150-7, ISSN: 0302-9743, doi: https://doi.org/10.1007/978-3-319-96151-4_31
25	2017	Article R. Bruni, F. Cesarone, SCOZZARI A, F. Tardella (2017). On exact and approximate stochastic dominance strategies for portfolio selection. EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol. 259, p. 322-329, ISSN: 0377-2217, doi: http://dx.doi.org/10.1016/j.ejor.2016.10.006
26	2017	Article E. Fernández, M. A. Pozo, J. Puerto, SCOZZARI A (2017). Ordered Weighted Average optimization in Multiobjective Spanning Tree Problem . EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol. 260, p. 886-903, ISSN: 0377-. 2217, doi: http://dx.doi.org/10.1016/j.ejor.2016.10.016
27	2017	Article R. Cerqueti, P. Falbo, C. Pelizzari, F. Ricca, SCOZZARI A (2017). A mixed integer linear program to compress transition probability matrices in Markov chain bootstrapping. ANNALS OF OPERATIONS RESEARCH, vol. 248, p. 163-187, ISSN: 1572-9338, doi: 10.1007/s10479-016-2181-9
28	2017	Contribution in volume (Chapter or Essay) F. Ricca, SCOZZARI A, P. Serafini (2017). A Guided Tour of the Mathematics of Seat Allocation and Political Districting. In: (ed.): Ulle Endriss (eds.), Trends in Computational Social Choice. p. 49-68, Amsterdam:ILLC, University of Amsterdam, ISBN: 978-1-326-91209-3
29	2016	Article R. Bruni, F. Cesarone, SCOZZARI A, F. Tardella (2016). Real-world datasets for portfolio selection and solutions of some stochastic dominance portfolio models. DATA IN BRIEF, vol. 8, p. 858-862, ISSN: 2352-3409, doi: http://dx.doi.org/10.1016/j.dib.2016.06.031
30	2016	Article I. Lari, J. Puerto, F. Ricca, SCOZZARI A (2016). Partitioning a Graph into Connected Components with Fixed Centers and Optimizing Cost-Based Objective functions or Equipartition Criteria. NETWORKS, vol. 67, p. 69-81, ISSN: 0028-3045, doi: 10.1002/net.21661
31	2016	Article I. Lari, J. Puerto, F. Ricca, SCOZZARI A (2016). Algorithms for uniform centered partitions of trees. ELECTRONIC NOTES IN DISCRETE MATHEMATICS, vol. 55, p. 37-40, ISSN: 1571-0653, doi: http://dx.doi.org/10.1016/j.endm.2016.10.010
32	2016	Abstracts in Conference Proceedings J. Puerto, I. Lari, F. Ricca, SCOZZARI A (2016). Algorithms for uniform centered partitions of trees. In: Abstracts 14th Cologne-Twente workshop (CTW 2016).

33	2016	Abstracts in Conference Proceedings J. Puerto, I. Lari, F. Ricca, SCOZZARI A (2016). Polynomial algorithms for partitioning trees with uniform criteria. In: Abstracts 28th European Conference on Operational Research (EURO). Poznan - Poland, 3-6 July 2017
34	2016	Abstracts in Conference Proceedings P. Falbo, R. Cerqueti, C. Pelizzari, F. Ricca, SCOZZARI A, G. Guastaroba (2016). The partition of transition probability matrices in Markov chain bootstrapping: Application to electricity markets. In: Abstracts 40th Annual Meeting of the Italian Association for Mathematics Applied to Economic and Social Sciences (AMASES). Catania, 15-17 September 2016
35	2016	Abstracts in Conference Proceedings F. Cesarone, R. Bruni, SCOZZARI A, F. Tardella (2016). Exact and approximate stochastic dominance for portfolio selection. In: Abstracts of the 40th Annual Meeting the Italian Association for Mathematics Applied to Economic and Social Sciences. Catania, 15-17 September
36	2016	Abstracts in Conference Proceedings P. Falbo, R. Cerqueti, C. Pelizzari, F. Ricca, SCOZZARI A, G. Guastaroba (2016). The partition of transition probability matrices in Markov chain bootstrapping: Application to electricity markets.. In: Abstract of the 40th Annual Meeting of the Italian Association for Mathematics Applied to Economic and Social Sciences. Catania, 15-17 September

37	2016	Abstracts in Conference Proceedings F. Cesarone, R. Bruni, SCOZZARI A, F. Tardella (2016). On Exact and Approximate Stochastic Dominance Strategies for Portfolio Selection. In: Abstracts XVII WORKSHOP ON QUANTITATIVE FINANCE. Pisa, 28-29 January 2016
38	2015	Article F. Cesarone, SCOZZARI A, F. Tardella (2015). Linear vs. Quadratic portfolio selection models with hard real-world constraints. COMPUTATIONAL MANAGEMENT SCIENCE, vol. 12, p. 345-370, ISSN: 1619-697X, doi: 10.1007/s10287-014-0210-1
39	2015	Article R. Bruni, F. Cesarone, SCOZZARI A, F. Tardella (2015). A Linear Risk-Return Model for Enhanced Indexation in Portfolio Optimization. OR SPECTRUM, vol. 37, p. 735- 759, ISSN: 0171-6468, doi: 10.1007/s00291-014-0383-6
40	2015	Abstracts in Conference Proceedings F. Cesarone, SCOZZARI A, F. Tardella (2015). MINLP models for portfolio selection. In: Proceedings of the international conference: Second Sevilla Workshop on Mixed Integer Nonlinear Programming. Sevilla (Spain), March 30 - April 1, 2015
41	2015	Abstracts in Conference Proceedings F. Cesarone, SCOZZARI A, F. Tardella (2015). Pseudo-Boolean Models for Portfolio Selection. In: Abstracts of the 27th European Conference on Operational Reserach. Glasgow, 12-15 July 2015.

42	2014	Article I. Lari, F. Ricca, SCOZZARI A (2014). Bidimensional Allocation of seats via zero-one matrices with given line sums. ANNALS OF OPERATIONS RESEARCH, vol. 215, p. 165-181, ISSN: 0254-5330, doi: 10.1007/s10479-013-1440-2
43	2014	Article E. Boros, SCOZZARI A, F. Tardella, P. Veneziani (2014). Polynomially computable bounds for the probability of the unions of events. MATHEMATICS OF OPERATIONS RESEARCH, vol. 39, p. 1311-1329, ISSN: 0364-765X, doi: http://dx.doi.org/10.1287/moor.2014.0657
44	2014	Article J. Puerto, F. Ricca, SCOZZARI A (2014). Reliability problems in multiple path- shaped facility locations on networks. DISCRETE OPTIMIZATION, vol. 12, p. 61-72, ISSN: 1572-5286, doi: http://dx.doi.org/10.1016/j.disopt.2014.01.003
45	2014	Article J. Puerto, F. Ricca, SCOZZARI A (2014). Unreliable point facility location problems on networks. DISCRETE APPLIED MATHEMATICS, vol. 166, p. 188-203, ISSN: 0166-218X, doi: 10.106/j.dam.2013.10.013
46	2013	Article F. Cesarone, SCOZZARI A, F. Tardella (2013). A new method for mean-variance portfolio optimization with cardinality constraints. ANNALS OF OPERATIONS RESEARCH, vol. 205, p. 213-234, ISSN: 0254-5330, doi: 10.1007/s10479-012-1165-. 7

47	2013	Article R. Bruni, F. Cesarone, SCOZZARI A, F. Tardella (2013). No arbitrage and a linear portfolio selection model. ECONOMICS BULLETIN, vol. 33, p. 1247-1258, ISSN: 1545-2921
48	2013	Article F. Ricca, SCOZZARI A, B. Simeone (2013). Political Districting: from classical models to recent approaches. ANNALS OF OPERATIONS RESEARCH, vol. 204, p. 271-299, ISSN: 0254-5330, doi: DOI 10.1007/s10479-012-1267-2
49	2013	Article SCOZZARI A, F. Tardella, S. Paterlini, T. Krink (2013). Exact and heuristic approaches for the index tracking problem with UCITS constraints. ANNALS OF OPERATIONS RESEARCH, vol. 205, p. 235-250, ISSN: 0254-5330, doi: DOI:10.1007/s10479-012-1207-1
50	2012	Article F. Ricca, SCOZZARI A, P. Serafini, B. Simeone (2012). Error Minimization Methods in Biproportional Apportionment. TOP, vol. 20, p. 547-577, ISSN: 1134-5764, doi: 10.1007/s11750-012-0252-x
51	2012	Article J. Puerto, F. Ricca, SCOZZARI A (2012). Range minimization problems in path- facility location on trees. DISCRETE APPLIED MATHEMATICS, vol. 160, p. 2294- 2305, ISSN: 0166-218X, doi: 10.1016/j.dam.2012.05.020

52	2012	Article F. PUKELSHEIM, F. RICH, B. SIMEONE, SCOZZARI A, P. SERAFINI (2012). Network flow methods for electoral systems. NETWORKS, vol. 59, p. 73-88, ISSN: 0028-3045, doi: 10.1002/net.20480
53	2012	Article R. Bruni, F. Cesarone, SCOZZARI A, F. Tardella (2012). A new stochastic dominance approach to enhanced index tracking problems. ECONOMICS BULLETIN, vol. 32, p. 3460-3470, ISSN: 1545-2921.
54	2012	Contribution to Conference Proceedings SCOZZARI A, F Tardella, S Paterlini, T Krink (2012). Exact and Heuristic Approaches for the Index Tracking Problem with UCITS Constraints. In: L. Suhl, G. Mitra, C. Lucas, A. Koberstein, L. Beckmann. APMOD 2012: Applied Mathematical Optimization and Modelling. p. 451-458, Paderborn:Paderborn: DS&OR Lab, Univ. Paderborn, ISBN: 978-3-8448-1794-2, Padeborn, Germany, 28-30 March 2012
55	2012	Abstracts in Conference Proceedings R. Cerqueti, P. Falbo, C. Pelizzari, F. Ricca, SCOZZARI A (2012). A Mixed Integer Linear Programming Approach to Markov Chain Bootstrapping. In: Abstract of the EURO - The Association of European Operational Research Societies. 25th European Conference on Operational Research. Vilnius, July 2012

56	2012	Abstracts in Conference Proceedings R. Bruni, F. Cesarone, SCOZZARI A, F. Tardella (2012). A Risk-Return Approach to Enhanced Indexation. In: Abstract in the EURO - The Association of European Operational Societies. 25th European Conference on Operational Research. Vilnius, July 2012
57	2012	Abstracts in Conference Proceedings R. Bruni, F. Cesarone, SCOZZARI A, F. Tardella (2012). A LINEAR RISK-RETURN MODEL FOR ENHANCED INDEXATION. In: (ed.): University of L'Aquila, Department of Pure and Applied Mathematics. Abstract XIII WORKSHOP ON QUANTITATIVE FINANCE. L'Aquila, 26-27 January 2012
58	2012	Abstracts in Conference Proceedings J. Puerto, F. Ricca, SCOZZARI A (2012). Reliability path-shaped facility location on networks. In: Atti NET 2012 International Workshop on Network models in statistics, economics and social sciences. Trento, 8-9 November 2012
59	2012	Abstracts in Conference Proceedings R. Bruni, F. Cesarone, SCOZZARI A, F. Tardella (2012). A Linear Programming Model for Enhanced Indexation based on Strong Stochastic Dominance. In: Abstract in the EURO - The Association of European Operational Societies. 25th European Conference on Operational Research. Vilnius, July 2012

60	2012	Abstracts in Conference Proceedings F. Ricca, SCOZZARI A, P. Serafini, B. Simeone (2012). Error Minimization: a new class of methods for Biproportional Apportionment. In: Proceedings of the workshop: Models of Collusion, Games and Decisions for Application to Judging, Selling and Voting. Oldofredi Castle, Monte Isola (BS), 18-19 June, 2012
61	2012	Article R. Cerqueti, P. Falbo, C. Pelizzari, F. Ricca, SCOZZARI A (2012). A Mixed Integer Linear Programming Approach to Markov Chain Bootstrapping. In: Departmental Notebook n.67 November 2012. Department of Economics and Law, University of Macerata. Published in ANNALS OF OPERATIONS RESEARCH.
62	2011	Article F. RICH, SCOZZARI A, B. SIMEONE (2011). Political Districting: from classical models to recent approaches. 4OR, vol. 9, p. 223-254, ISSN: 1619-4500, doi: 10.1007/s10288-011-0177-5
63	2011	Article J. PUERTO, F. RICCA, SCOZZARI A (2011). Minimax Regret Path Location on Trees. NETWORKS, vol. 58, p. 147-158, ISSN: 0028-3045, doi: 10.1002/net.20453
64	2011	Article F. RICH, SCOZZARI A, B. SIMEONE (2011). The Give-up Problem for blocked regional lists with multi-winners. MATHEMATICAL SOCIAL SCIENCES, vol. 62, p. 14-24, ISSN: 0165-4896
65	2011	Article Lari I, Ricca F, SCOZZARI A, Becker RI (2011). Locating Median Paths on Connected Outerplanar Graphs. NETWORKS, vol. 57, p. 294-307, ISSN: 0028-3045, doi: 10.1002/net.20426

66	2011	Contribution to Conference Proceedings Puerto J., Ricca F., SCOZZARI A (2011). Range minimisation problems in path- facility location on trees. In: Ludovica Adacher, Marta Flamini, Gianmaria Leo, Gaia Nicosia, Andrea Pacifici, Veronica Piccialli. 10th Cologne-Twente Workshop on Graphs and Combinatorial Optimization, CTW 2011. Frascati (RM), 14-16 June 2011
67	2011	Abstracts in Conference Proceedings SCOZZARI A (2011). Some insights on the extensive facility location problems on graphs. In: Exploratory workshop on locational analysis: Trends on theory and applications. Sevilla, Spain, 28-30 November 2011.
68	2011	Abstracts in Conference Proceedings SCOZZARI A, Tardella F (2011). A clique algorithm for nonconvex mixed-integer standard quadratic programming. In: Sixth International Winter Conference of the Italian Operational Research Society. Cortina d'Ampezzo, February 7-11, 2011, AIRO - Italian Operations Research Association
69	2011	Article F. Cesarone, SCOZZARI A, F. Tardella (2011). Portfolio selection problems in practice: a comparison between linear and quadratic optimization models . In: Arxiv preprint arXiv:1105.3594.
70	2010	Abstracts in Conference Proceedings Cerqueti, P. Falbo, C. Pelizzari, SCOZZARI A (2010). Row Clustering of a Markov Chain Transition Probability Matrix: A Mixed Integer Linear Programming Approach. In: Proceedings XXXIV AMASES Conference. MACERATA, 1-4 SEPTEMBER 2010
71	2010	Abstracts in Conference Proceedings SCOZZARI A, F. Tardella (2010). A clique algorithm for finding all local, global, and cardinality constrained optima in Standard Quadratic Programming. In: XLI Annual Conference Italian Operational Research Society. OPERATIONS RESEARCH FOR COMPLEX DECISION MAKING. Santa Trada, (RC), September 7-10, 2010, Reggio Calabria:AIRO
72	2009	Article J. PUERTO, F. RICCHI, SCOZZARI A (2009). The Continuous and Discrete Path-Variance Problem on Trees. NETWORKS, vol. 53, p. 221-228, ISSN: 0028-3045
73	2009	Article J. PUERTO, F. RICCA, SCOZZARI A (2009). Extensive Facility Location Problems on Networks with Equity Measures. DISCRETE APPLIED MATHEMATICS, vol. 157, p. 1069-1085, ISSN: 0166-218X
74	2009	Article F. CESARONE, SCOZZARI A, F. TARDELLA (2009). Efficient Algorithms for Mean-Variance Portfolio Optimization with Hard Real-World Constraints. GIORNALE DELL'ISTITUTO ITALIANO DEGLI ATTUARI, vol. LXXII, p. 37-56, ISSN: 0390-5780

75	2009	Article SCOZZARI A, F. TARDELLA (2009). On the complexity of some subgraph problems. DISCRETE APPLIED MATHEMATICS, vol. 157 (17), p. 3531-3539, ISSN: 0166-218X
76	2009	Contribution to Conference Proceedings SCOZZARI A, F. Tardella (2009). On the complexity of graph-based bounds for the probability bounding problem. In: S. Cafieri, A. Mucherino, G. Nannicini, F. Tarissan, L. Liberti. 8th Cologne-Twente Workshop on Graphs and Combinatorial Optimization. Paris, France, June 2-4 2009
77	2009	Abstracts in Conference Proceedings F. Pukelsheim, F. Ricca, SCOZZARI A, P. Serafini, B. Simeone: (2009). Network flow methods for electoral systems. In: INOC 2009 - International Network Optimization Conference. Pisa, 26-29 April 2009
78	2008	Article F. RICH, SCOZZARI A, B. SIMEONE (2008). Weighted Voronoi Region Algorithms for Political Districting. MATHEMATICAL AND COMPUTER MODELLING, vol. 48, p. 1468-1477, ISSN: 0895-7177
79	2008	Article SCOZZARI A, F. TARDELLA (2008). A Clique Algorithm for Standard Quadratic Programming. DISCRETE APPLIED MATHEMATICS, vol. 156, p. 2439-2448, ISSN: 0166-218X
80	2008	Article I. LARI, F. RICCA, SCOZZARI A (2008). Comparing Different Metaheuristic Approaches for the Median Path Problem with Bounded Length. EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol. 190, p. 587-597, ISSN: 0377-2217
81	2008	Contribution in volume (Chapter or Essay) G. ROTUNDO, SCOZZARI A (2008). Co-Evolutive Models for Firms Dynamics. In: NAIMZADA A. K., STEFANI S., TORRIERO A. LECTURE NOTES IN ECONOMICS AND MATHEMATICAL SYSTEMS: Networks, Topology and Dynamics: Theory and Applications to Economics and Social Systems Series. LECTURE NOTES IN ECONOMICS AND MATHEMATICAL SYSTEMS, vol. 613, p. 141-156, BERLIN:Springer, ISBN: 978-3-540-68407-7, ISSN: 0075-8442
82	2008	Contribution in volume (Chapter or Essay) M. LIQUORI, SCOZZARI A (2008). Vector DNF for Datasets Classifications: Application to the Financial Timing Decision Problem. In: G. FELICI, C. VERCELLIS. Mathematical Methods for Knowledge Discovery and Data Mining. p. 24-39, NEW YORK, NY:Information Science Reference, ISBN: 978-1-59904-528-3, doi: 10.4018/978-1-59904-528-3
83	2008	Contribution to Conference Proceedings I. Lari, F. Ricca, SCOZZARI A, R.I. Becker (2008). Locating Median Paths on Connected Outerplanar Graphs. In: Seventh Cologne-Twente Workshop on Graphs and Combinatorial Optimization. p. 186-188, Gargnano, 13-15 May 2008

84	2008	Abstracts in Conference Proceedings F. Cesarone, SCOZZARI A, Tardella F. (2008). A Clique Algorithm for Cardinality Constrained Portfolio Optimization. In: 5th International Computational Management Science. London, 26-28 March 2008
85	2007	Article R. I. BECKER, I. LARI, SCOZZARI A, G. STORCHI (2007). The Location of Median Paths on Grid Graphs. ANNALS OF OPERATIONS RESEARCH, vol. 150, p. 65-78, ISSN: 0254-5330
86	2007	Article R.I. BECKER, I. LARI, SCOZZARI A (2007). Algorithms for Central-Median Paths with Bounded Length on Trees. EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol. 179, p. 1208-1220, ISSN: 0377-2217
87	2005	Article P. DELL'OLMO, M. GENTILI, SCOZZARI A (2005). On Finding Dissimilar Pareto-Optimal Paths. EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, vol. 162, p. 70-82, ISSN: 0377-2217
88	2002	Article R.I. BECKER, Y. CHIANG, I. LARI, SCOZZARI A, G. STORCHI (2002). Finding the L-core of a Tree. DISCRETE APPLIED MATHEMATICS, vol. 118, p. 25-42, ISSN: 0166-218X
89	2002	Article R.I. BECKER, I. LARI, SCOZZARI A, G. STORCHI (2002). Efficient Algorithms for Finding the (K,L)-core on Tree Networks. NETWORKS, vol. 40, p. 208-215, ISSN: 0028-3045
90	2002	Contribution in volume (Chapter or Essay) I. Lari, F. Ricca, SCOZZARI A (2002). The forest wrapping problem on outerplanar graphs. In: L. Kucera: 28th International Workshop, WG 2002 Cesky Krumlov, Czech Republic, June 13-15, 2002. (ed.): G. Goos, J. Hartmanis, and J. van Leeuwen, LECTURE NOTES IN COMPUTER SCIENCE: Graph-Theoretic Concepts in Computer Science. LECTURE NOTES IN COMPUTER SCIENCE, vol. 2573, p. 345-354, BERLIN:Springer, ISBN: 3-540-00331-2, ISSN: 0302-9743, doi: 10.1007/3-540-36379-3
91	2002	Abstracts in Conference Proceedings P. Dell'Olmo, M. Gentili, SCOZZARI A (2002). Finding dissimilar routes for the transportation of hazardous materials. In: Proceedings of the 13th Mini-EURO Conference and 9th Meeting of the Euro Working Group on Transportation..cnr.it, Bari, 2002
92	2001	Article SCOZZARI A (2001). Localization Problems of Paths and Trees on Networks. BULLETIN OF THE ITALIAN MATHEMATICAL UNION. A, vol. Series VIII, IV- A, p. 547-550, ISSN: 0392-4033

93	2001	Contribution in volume (Chapter or Essay) R.I. Becker, Y.I. Chiang, I. Lari, SCOZZARI A (2001). The Cent-dian path problem on tree networks. In: P. Eades and T. Takaoka: 12th International Symposium, ISAAC 2001, Christchurch, New Zealand, December 19-21, 2001. (eds.): G. Goos, J. Hartmanis, and J. van Leeuwen, LECTURE NOTES IN COMPUTER SCIENCE: Algorithms and Computation. LECTURE NOTES IN COMPUTER SCIENCE, vol. 2223, p. 743-755, BERLIN:Springer, ISBN: 3-540-42985-9, ISSN: 0302-9743, doi: 10.1007/3-540-45678-3_63
94	1999	Article SCOZZARI A, G. STORCHI (1999). An O.R. Application for the Catholic Jubilee in Rome. OPERATIONAL RESEARCH, vol. 28, p. 49-55, ISSN: 0390-8127
95	1999	Contribution in volume (Chapter or Essay) M. CARAMIA, N. RICCIARDI, SCOZZARI A, G. STORCHI (1999). Tourist Flow Organisation in an Artistic Town. In: PAOLA RIZZI. CUPUM '99 Computers in Urban Planning and Urban Management. On the edge of the millenium. MILAN:FrancoAngeli, ISBN: 8846416856

Titles

Scientific responsibility for international and national research projects accepted for funding on the basis of competitive calls involving peer review

- Coordinator of the Research Project "Young Researchers" - financial year 1999 - announced by the University of Rome Tor Vergata, Title: Methods and Algorithms for Localisation Problems for Jubilee 2000. Duration 12 months.
  01-01-2000 to 31-12-2000
- Coordinator of the Research Project "Young Researchers" - financial year 2002 - announced by the University of Rome La Sapienza, Title: Models and Algorithms of Localisation and Coverage in the Public and Private Sector. Duration 12 months.
  01-01-2003 to 31-12-2003
- Coordinator of the research project: Standard High Performance Computing, supported by CASPUR (Consorzio Interuniversitario per le Applicazioni del Supercalcolo per Università e Ricerca). Project title: Parallel Algorithms for computationally difficult portfolio choice problems (see http://hpc.caspur.it/hpc-grants/standard-hpc-grant-2010-winners).
  01-03-2010 to 31-12-2010
- Participant and head of the research unit at Niccolò Cusano University in the international project: Mathematical challenges on the design and optimisation of complex networks: Applications (Ref. no. MTM2013-46962-C2-1-P). Principal Investigator Prof. Justo Puerto University Seville. Project funded by the Ministerio de Economía y Competitividad, Spain.
  01-01-2014 to 31-12-2017
- Participant and head of the research unit of the Niccolò Cusano University in the international project: New Mathematical challenges of logistics and integrated transport problems on complex networks: design and optimisation (Ref. no. MTM2016-74983-C2-1-R). Principal Investigator Prof. Justo Puerto University of Seville. Project funded by the Ministerio Economía y Competitividad, Spain. from 01-01-2017 to 31-12-2020
- Participant and head of the research unit of the Niccolò Cusano University in the international project: Nuevos resultados sobre los problemas de diseño y optimización en redes complejas: Aplicac iones al diseño de ciudades inteligentes (Ref. no. US-1256951). Principal Investigator Prof. Justo Pu erto University of Seville. Project funded by the Junta de Andalucía, Consejería de Economía y Conocimiento, Spain.
  01-01-2020 to 31-12-2022
- Participant and head of the research unit at Niccolò Cusano University in the international project: Optimisation on data science and network design problems: Large scale network models meet optimisation and data science tools. Principal Investigator Prof. Justo Puerto University of Seville. Project funded by the Ministerio de Ciencia e Innovación - Plan Estatal 2017-2020 Generación Conocimiento - Proyectos I+D+i (Spain - Ref. No. PID2020-114594GB-C21). Duration 4 years.
  01-09-2021 to date
- Participant and head of the Niccolò Cusano University research unit in the international project: Diseño de división territorial y la evaluación de una política pública. Project funded and organised by the Coordinación de investigación y posgrados de la Universidad Autónoma de Zacatecas (MEXICO) (Registro de Proyecto N. UAZ-2022-38608). Duration 2 years.
  15-08-2022 to date
- Head of research unit in the National Research Project (PRIN - Bando 2022 - Prot. 2022LT8P4J) entitled: Networks: decomposition, clustering and community detection. Institutions involved: University of Trento (Lead Partner), University Niccolò Cusano, University of Rome La Sapienza, University of Milan-Bicocca. D.D. no. 834 of 13 June 2023.
  13-06-2023 to date
-

- Head (Principal Investigator) of the National Research Project (PRIN - Bando 2022 PNRR - Prot. P2022NK39A) entitled: Representation and Parliament Formation in democratic countries: fair procedures for equal and informed citizens. Institutions involved: University Niccolò Cusano (Lead Partner), University of Rome La Sapienza, University of Rome TRE. D.D. no. 1205 of 28 July 2023. from 28-07-2023 to date

Editing or participation in editorial boards of journals, publishing series, encyclopaedias and treatises of recognised prestige

- Andrea Scozzari has served and regularly serves as referee for the following international journals: European Journal of Operational Research, Discrete Applied Mathematics, Discrete Optimisation, Optimisation, Artificial Intelligence, Networks, Computer and Operations Research, Journal of Global Optimisation, OR Spectrum, Annals of Operations Research, Journal of Computer and System Sciences, Journal of Optimization Theory and Applications, Computational Management Science, Applications and Applied Mathematics, IMA Journal of Management Mathematics, Applied Mathematical Modelling.
  01-01-2004 to date
- Editorial activities as Member of the Scientific Committee of the journal: Quaderno di Ricerca: Osservatorio trimestrale sui dati economici italiani, Scientific journal - CINECA Code E230240 - ISSN 2283-7035 (Mazziero Research (Eds.): http://www.mazzieroresearch.com/quaderno-di-ricerca/). from 01-01-2015 to date
- Reviewer panel member for 'Mathematical Reviews' journal of the AMS (American Mathematical Society - Mathematical Reviews/MathSciNet Reviewer Number: 068351).
  15-06-2017 to date
- Editor of the international journal Mathematics (Financial Mathematics section - https://www.mdpi.com/journal/mathematics/sectioneditors/financial_mathematics), EISSN 2227-7390, Published by MDPI Journal Rank: JCR - Q1 (Mathematics) / 2020 CiteScore - Q1 (General Mathematics). IF 2.4 (2023).
  01-01-2021 to present

Teaching or research assignments (fellowships) at qualified foreign or supranational universities and research institutes

- Teaching at University of Tuscia. Course in Mathematical Methods Economics and Finance (6 CFU). Master of Science in Economics.
  from 01-10-2007 to 01-03-2009
- Teaching assignment at LUISS. Teaching module (Exercises) for the "Game Theory" course (in English).
  from 01-10-2008 to 01-03-2009
- Teaching at the University of Rome Tor Vergata, Faculty of Mathematical, Physical and Natural Sciences, Degree Course in Computer Science. Course in Operational Research (6 CFU).
  https://didattica.uniroma2.it/docenti/curriculum/T_375697-Andrea-Scozzari.
  from 01-10-2012 to 28-02-2016
- Teaching assignment within the PhD programme in Mathematics at the University of Seville. Course title: Network Location Problems: From Classical Models to Recent Approaches. Seville (Spain), 1-5 February 2013.
  01-02-2013 to 05-02-2013
- Teaching assignment within the PhD programme in Mathematics at the University of Seville. Course title: Location Problems in Networks. Advanced Methods. Seville (Spain), 25- 27 November 2013.
  25-11-2013 to 27-11-2013
- Invited speaker as lecturer at the International summer school on "Pluridisciplinary Approaches for the Analysis of Voting Rules" University of Caen (Normandy, France). School sponsored by the European Cost Action project IC 1206 "Computational Social Choice" (see http://www.illc.uva.n l/COST-IC1205/), 8-12 July 2014.
  08-07-2014 to 12-07-2014
- Member of the teaching staff of the PhD in Mathematics at the University of Seville (Spain).
  15-09-2016 to date
- Co-supervisor of the PhD programme in Mathematics in collaboration with University of Seville (contact person Prof. Justo Puerto) of Dr. Moisés Rodriguez-Madrena. Dep. Estadística y Investigación Operativa, Facultad de Matemáticas, Universidad de Sevilla (Ph.D. course in Mathematics) and Università degli Studi Niccolò Cusano.
  01-01-2019 to 31-12-2019

Awards and distinctions for scientific activity, including membership of academies of recognised prestige in the field

- Invited speaker at the International workshop: 'Exploratory workshop on locational analysis: Trends on theory and applications', organised by IMUS (Instituto de Matemáticas de la Universidad de Sevilla). Plenary lecture on: Some insights on the extensive facility location problems on graphs.
  28-11-2011 to 30-11-2011
- The survey: F. Ricca, A. Scozzari, B. Simeone (2011): "Political Districting: from classical models to recent approaches", 4OR A Quarterly Journal of Operations Research, vol. 9, pp. 223-254, has been selected for publication in the special volume of the scientific journal ANNALS OF OPERATIONS RESEARCH entitled "Surveys in Operations Research III (Invited Surveys from 4OR, 2009-2011)" in which the surveys judged best among all those published by the journal 4OR in the three-year period 2009-2011 are collected.
  01-01-2013 to 31-01-2013
- Member of the European Working Group on Locational Analysis (EWGLA). 01-
  01-2014 to date
- April 2014: Recognition for: Outstanding Contribution in Reviewing for the international journal: DISCRETE OPRIMIZATION. Reason: In recognition of the contributions made to the quality of the journal.
  01-04-2014 to 02-04-2014
- Invited speaker at the International workshop: 'Locational Analysis and Related Problems', organised by IMUS (Instituto de Matemáticas de la Universidad de Sevilla). Plenary lecture on: Partitioning a graph into connected components with fixed centres and optimising different criteria.
  01-10-2014 to 03-10-2014
- Member of A.M.A.S.E.S.: Association for Applied Mathematics in the Economic and Social Sciences.
  01-01-2015 to date
- April 2017: Recognition for: Outstanding Contribution in Reviewing for the international journal : COMPUTERS AND OPERATIONS RESEARCH. Reason: In recognition of the contributions made to the quality of the journal.
  01-04-2017 to 02-04-2017
- October 2017: Recognition for: Outstanding Contribution in Reviewing for the international journal: ARTIFICIAL INTELLIGENCE. Reason: In recognition of the contributions made to the quality the journal.
  from 01-10-2017 to 02-10-2017
- November 2017: Recognition for: Outstanding Contribution in Reviewing for the international journal: EUROPEAN JOURNAL OF OPERATIONAL RESEARCH. Reason: In recognition of the contributions made to the quality of the journal. Recognition in cooperation with the following associations: ASSOCIATION OF EUROPEAN OPERATI ONAL RESEARCH SOCIETIES (EURO) WITHIN THE INTERNATIONAL FEDERATION OF OPERATIONAL RESEARCH SOCIETIES (IFORS).
  01-11-2017 to 02-11-2017
- February 2018: Recognition for: Outstanding Contribution in Reviewing for the international journal: DISCRETE OPRIMIZATION. Reason: In recognition of the contributions made to the quality of the journal.
  01-02-2018 to 02-02-2018
- March 2018: Recognition for: Outstanding Contribution in Reviewing for the international journal: JOURNAL OF COMPUTER AND SYSTEM SCIENCES. Reason: In recognition of the contributions made to the quality of the journal.
  01-03-2018 to 02-03-2018

- Invited speaker at the International workshop: 'Discrete Mathematics Days 2018', organised by the School of Computer Science, University of Seville. Plenary lecture on: Uniform partition of graphs: Complexity results, algorithms and formulations (http://congreso.us.es/dmd2018).
  27-06-2018 to 29-06-2018
- Acknowledgement for: Reviewing for the international journal: THEORETICAL COMPUTER SCIENCE. Reason: In recognition of the review contributed to the journal.
  from 01-01-2019 to 02-01-2019
- Acknowledgement for: Reviewing for the international journal: EXPERT SYSTEMS WITH APPLICATIONS. Reason: In recognition of the review contributed to the journal. 01-01-2021 to 02-01-2021

Other titles that contribute to a better definition of the scientific profile

- Visiting Researcher at the Dept. of Estadística e Investigación Operativa - Facultad de Matemáticas, University of Seville within the project: Integrated Actions Italy-Spain 2004.
  01-03-2006 to 30-03-2006
- Visiting Researcher at the Dept. of Estadística e Investigación Operativa - Facultad de Matemáticas, University of Seville within the project: Integrated Actions Italy-Spain 2008.
  25-05-2009 to 08-06-2009
- Organisation of the session 'Network Location Problems' at the 26th European Conference on Operational Research, EURO|INFORMS MMXIII, Rome, 1-4 July 2013.
  01-07-2013 to 04-07-2013
- Member of the teaching board of the PhD programme in: Governance and Management for Business Innovation [DOT15E0932], UNICUSANO Università degli Studi Niccolò Cusano -Telematica, Rome. from 01-01-2014 to 31-12-2019
- Responsible for the Niccolò Cusano University in the framework of the research collaboration supported by the Electoral Studies Office of the Italian Chamber of Deputies entitled: Evaluation of electoral systems.
  01-10-2014 to 31-10-2016
- Faculty Coordinator for the Erasmus+ programme, UNICUSANO Niccolò Cusano University - Telematics, Rome.
  01-10-2015 to date
- Member of the Committee for the comparative procedure for the call of n.1 university researcher, law n. 240/2010, art. 24 letter b (SC 13/D4 - SSD SECS-S/06), University ROME TRE, Dept. of Business Studies (D.R. n. 1361-2016 of 13/10/2016).
  13-10-2016 to 20-12-2016
- Member of the Programme Committee of the 6th International Conference on Operations Research and Enterprise System, Porto (Portugal) February 23-25 2017.
  23-02-2017 to 25-02-2017
- President of the Degree Course in Business Administration and Management (Class L-18), University of Niccolò Cusano (https://www.unicusano.it/economia/organizzazione-e-qualita-l-18).
  01-10-2017 to date
- Coordinator of the Review Group of the Bachelor of Business Administration and Management (Class L-18), University of Niccolò Cusano (https://www.unicusano.it/organi-e-documenti- official/review-group-l-18).
  01-10-2017 to date
- Organiser of the XIX Quantitative Finance Workshop (QFW2018), Università degli Studi Roma Tre, Rome 24-26 January 2018, http://disa.uniroma3.it/qfw2018/.
  from 24-01-2018 to 26-01-2018
- Member of the Program Committee of the 7th International Conference on Operations Research and Enterprise System, Porto (Portugal) January 24-26 2018.
  from 24-01-2018 to 26-01-2018
- Member of the Committee for the comparative procedure for the appointment of no. 1 tenured university professor of first rank (SC 13/D4 - SSD SECS-S/06) University of Chieti-Pescara, Dept. of Pharmacy (R.D. no. 394/2018 of 08/02/2018).
  from 01-07-2018 to 31-07-2018
- Member of the Programme Committee of the 8th International Conference on Operations Research and Enterprise System, Prague (Czech Republic) February 19-21 2019.

from 19-02-2019 to 21-02-2019

- Responsible for Niccolò Cusano University in the framework of the scientific cooperation agreement between the Faculty of Economics of the Niccolò Cusano University and the Department of Methods and Models for Economics, Finance and Territory (MEMOTEF) of the University of Rome "La Sapienza". Duration of the agreement: 4 years.
  12-12-2019 to date
- Member of the Programme Committee of the 9th International Conference on Operations Research and Enterprise Systems, Valletta (Malta) February 22-24, 2020.
  from 22-02-2020 to 24-02-2020
- Member of the Committee for the call procedure for n.1 Professore universitario di II Fascia Art. 24 comma 6 legge n. 240/2010 (SC 13/D4 - SSD SECS-S/06), Università degli Studi ROMA TRE, Dipartimento di Economia Aziendale (D.R. n. 97-2021 del 29/01/2021).
  from 01-06-2021 to 30-06-2021
- Included in the list of aspiring Commissioners by lot in accordance with Director's Decree no. 251 of 2021, Article 6, Paragraph 3 published on 02/07/2021 for the competition sector 13/D4 (ASN 2021- 2023).
  from 02-07-2021 to 15-09-2023
- Member of the teaching board of the PhD in 'Management for Digital Transformation: Business, Communication and Ethics', University of Niccolò Cusano.
  01-10-2021 to date
- Member of the Committee for the call procedure for n.1 Professore universitario di II Fascia Art. 24 comma 6 legge n. 240/2010 (SC 13/D4 - SSD SECS-S/06), Università degli Studi di Roma Tor Vergata, Dipartimento di Economia e Finanza (Ref. 1952).
  from 30-07-2022 to 30-09-2022
- Member of the Committee for the evaluation procedure pursuant Art. 24 paragraph 5 L. 240/2010 for the progression in the role of Associate Professor (SC 13/D4 - SSD SECS-S/06), at the Department of Law, Economics and Human Sciences (DIGIES), Università degli Studi Mediterranea di Reggio Calabria (D.R. no. 109 of 19/04/2023).
  01-05-2023 to 30-05-2023