europass Curriculum vitae

INFORMAZIONI PERSONALI

Speranza M. Grazia

[redacted]

ESPERIENZA PROFESSIONALE

- 1983-1987: Ricercatore Universitario, per il gruppo di discipline n.93, della Facolta' di Scienze Matematiche, Fisiche e Naturali dell'Universita' degli Studi di Milano;
- 1987-1990: Professore Associato, per il gruppo di discipline n.193 (Ricerca Operativa), in servizio presso la Facolta' di Scienze Matematiche, Fisiche e Naturali dell'Universita' di Udine;
- 1990-1994: Professore Associato, per il gruppo di discipline n.193 (Ricerca Operativa), in servizio presso la Facolta' di Economia e Commercio dell'Universita' di Brescia.
- 1994-2002: Professore Ordinario per il settore scienti co-disciplinare S04A (Matematica per le applicazioni economiche), in servizio presso la Facolta' di Economia e Commercio dell'Universita di Brescia.
- da nov. 1998 a nov. 2000: Presidente del Consiglio della Ricerca dell'Universita' di Brescia.
- da nov. 2000 a ott. 2002: Prorettrice vicaria dell'Universita' di Brescia.
- 2001-2002: Presidente del Collegio del Corso di laurea in Economia e gestione dell'informazione e della comunicazione della Facolta' di Economia dell'Universita' di Brescia.
- da 1/11/2002 a 31/10/2008: Preside della Facolta' dell'Universita' di Brescia.
- Dal 2005 e membro della Giunta della Conferenza dei Presidi delle Facolta' di Economia.
- da 1/11/2008 a 31/10/2010: Visiting Professor presso la London School of Economics.
- 2006-: Presidente del Centro di ricerca su 'Modelli per l'economia e la gestione del trasporto e della logistica'.
- 2002-: Professore Ordinario per il settore scientifico co-disciplinare MAT/09 (Ricerca operativa), in servizio presso la Facolta' di Economia e Commercio dell'Universita' di Brescia.
- 2016-: Prorettrice vicaria dell'Universita' di Brescia.

ISTRUZIONE E FORMAZIONE

- 1976: Consegue il Diploma di Maturita Classica;
- 1980: Consegue la Laurea in Matematica presso l'Universita degli Studi di Milano, discutendo la Tesi: "Analisi probabilistica di alcuni schemi enumerativi per problemi di copertura";
- 1983: Consegue il Diploma della Scuola di Perfezionamento in Matematica presso l'Universita degli Studi di Milano, discutendo la Tesi: "Algoritmi probabilistici per problemi combinatorici".

ULTERIORI INFORMAZIONI

Pubblicazioni

Pubblicazioni su Riviste Internazionali

1. A probabilistic analysis of an error-correcting algorithm for the Towers of Hanoi puzzle, Information Processing Letters 18, 99-104, 1984 (con F.Scarioni).
2. The density function of the number of moves to complete the Towers of Hanoi puzzle, Annals of Operations Research 1, 291-303, 1984 (con F.Scarioni).
3. Randomized algorithms: an annotated bibliography, Annals of Operations Research 1, 331-345, 1984 (con F.Maffioli e C.Vercellis).
4. Recursive predictors for Markov chains in urban traffic, Methods of Operations Research 50, 165-

174, 1985 (con B.Betro' e F.Schoen).
5. Markov models for traffic evolution at an intersection, Methods of Operations Research 53, 365-373, 1986 (con B.Betro' e F.Schoen).
6. Dynamic estimation of queue behaviour in urban traffic, European Journal of Operational Research 31, 368-375, 1987 (con B.Betro', F.Schoen).
7. A Decision Support System for operational production scheduling, European Journal of Operational Research 55, 329-343, 1992 (con A.Woerlee).
8. Production planning problems in a textile industry, European Journal of Operational Research 58, 173-190, 1992 (con P.Serafini).
9. Applying an optimization model to production management and logistics, International Journal on Computer-Integrated Manufacturing Systems 5, 239-244, 1992 (con W. Ukovich).
10. A Decision Support System for materials management, International Journal of Production Economics 26, 229-236, 1992 (con W.Ukovich).
11. Scheduling multiprocessor tasks on three dedicated processors, Information Processing Letters 41, 275{280, 1992 (con J.Blazewicz, P.Dell'Olmo, M.Drozdowski). Corrigendum, Information Processing Letters 49, 269-270, 1994.
12. Hierarchical models for multi-project planning and scheduling, European Journal of Operational Research 64, 312-325, 1993 (con C.Vercellis).
13. Linear programming models for portfolio optimization, Finance 14, 107-123, 1993.
14. A decomposition approach for a resource constrained scheduling problem, European Journal of Operational Research 75, 112-135, 1994 (con P.Serafini).
15. Analysis and integration of optimization models for logistic systems, International Journal of Production Economics 35, 183-190, 1994 (con W. Ukovich).
16. Minimizing transportation and inventory costs for several products on a single link, Operations Research 42, 879-894, 1994 (con W.Ukovich).
17. A decomposition approach in a DSS for a resource constrained scheduling problem, European Journal of Operational Research 79, 208-219, 1994 (con P.Serafini).
18. Nonpreemptive scheduling of independent tasks with dedicated resources, Naval Research Logistics 41, 959-971, 1994 (con L.Bianco, P.Dell'Olmo).
19. Scheduling independent tasks with multiple modes, Discrete Applied Mathematics 62, 35-50, 1995 (con L.Bianco, P.Dell'Olmo).
20. A heuristic algorithm for a portfolio optimization model applied to the Milan stock market, Computers and Operations Research 23, 433-441, 1996.
21. Graph models for multiprocessor scheduling problems with precedence constraints, Foundations of Computing and Decision Sciences 21, 17-29, 1996 (con P. Dell'Olmo).
22. An algorithm for optimal shipments with given frequencies, Naval Research Logistics 43, 655-671, 1996 (con W. Ukovich).
23. Efficiency and effectiveness of normal schedules on three dedicated processors, Discrete Mathematics 164, 67-79, 1997 (con P. Dell'Olmo, Zs. Tuza).
24. Comparability graph augmentation for some multiprocessor scheduling problems, Discrete Applied Mathematics 72, 71-84, 1997 (con P. Dell'Olmo, Z.Tuza).
25. Minimization of logistic costs with given frequencies, Transportation Research 31B, 327-340, 1997 (con L.Bertazzi, W. Ukovich).
26. An approximation result for a duo-processor task scheduling problem, Information Processing Letters 61, 195-200, 1997 (con P.Dell'Olmo, S. Giordani).
27. Effective linear programming based heuristics for a portfolio selection problem, Ricerca Operativa 27, 5-23, 1997 (con R. Mansini) (erratum in Ricerca Operativa 28, 61-62, 1998).
28. Semi on-line algorithms for the partition problem, Operations Research Letters 21, 233-242, 1997 (con H. Kellerer, V. Kotov, Zs. Tuza).
29. Heuristics for multimode scheduling problems with dedicated resources, European Journal of Operational Research 107, 260-271, 1998 (con L.Bianco e P.Dell'Olmo).
30. A 13/12 approximation algorithm for bin packing with extendable bins, Information Processing Letters 65, 229-233, 1998 (con P. Dell'Olmo, H.Kellerer, Z. Tuza).
31. A linear programming model for the separate refuse collection service, Computers and Operations Research 25, 659-673, 1998 (con R. Mansini).
32. Minimizing logistic costs in multistage supply chains, Naval Research Logistics 46, 399-417, 1999 (con L.Bertazzi).
33. Heuristic algorithms for the portfolio selection problem with minimum transaction lots, European Journal of Operational Research 114, 219-233, 1999 (con R. Mansini).
34. On-line approximation algorithms for partitioning items in extendable bins, Annals of Operations Research 86, 491-506, 1999 (con Z. Tuza).
35. Inventory control on sequences of links with given transportation frequencies, International Journal of Production Economics 59, 261-270, 1999 (con L.Bertazzi).
36. Approximation algorithms for partitioning items in unequal bins to minimize the total size, Discrete Applied Mathematics 94, 181-191, 1999 (con P.Dell'Olmo).

37. Minimizing makespan in a multimode multiprocessor shop scheduling problem, Naval Research Logistics 46, 893-911, 1999 (con L.Bianco, P.Dell'Olmo, S.Giordani).
38. Selection of lease contracts in an asset-backed securitization: a real case analysis, Control and Cybernetics 28, 739-754, 1999 (con R.Mansini).
39. Two linear approximation algorithms for the subset sum problem, European Journal of Operational Research 120, 289-296, 2000 (con H.Kellerer, R.Mansini).
40. Exact and heuristic solutions for a shipment problem with given frequencies, Management Science 46, 973-988, 2000 (con L.Bertazzi, W.Ukovich).
41. Selecting portfolios with fixed costs and minimum transaction lots, Annals of Operations Research 99, 287-304, 2000 (con R. Mansini, H.Kellerer).
42. Rounding procedures for the discrete version of the capacitated Economic Order Quantity problem, Annals of Operations Research (Mathematics of Industrial Systems) 107, 33-49, 2001 (con L.Bertazzi).
43. Deterministic order-up-to level policies in an inventory routing problem, Transportation Science 36, 119-132, 2002 (con L.Bertazzi, G.Paletta).
44. The periodic vehicle routing problem with intermediate facilities, European Journal of Operational Research 137, 233-247, 2002 (con E. Angelelli).
45. A multidimensional knapsack problem for the asset-backed securitization, Journal of the Operational Research Society 53, 822-832, 2002 (con R.Mansini).
46. The application of a vehicle routing model to a waste collection problem: two case studies, Journal of the Operational Research Society 53, 944-952, 2002 (con E. Angelelli).
47. Continuous and discrete shipping strategies for the single link shipping problem, Transportation Science 36, 314-325, 2002 (con L.Bertazzi).
48. On LP solvable models for portfolio selection, Informatica 14 (1): 37-62, 2003 (con R.Mansini, W.Ogryczack).
49. An efficient fully polynomial approximation scheme for the subset-sum problem, Computer and System Sciences 66, 349-370, 2003 (con H.Kellerer, R.Mansini, U.Pferschy).
50. Semi on-line scheduling on two parallel processors with upper bound on the items, Algorithmica 37, 243-262, 2003 (con E.Angelelli, Zs. Tuza).
51. Semi-absolute deviation rule for mutual funds portfolio selection, Annals of Operations Research 124, 245-265, 2003 (con L.Chiodi, R.Mansini).
52. Reoptimizing the Traveling Salesman Problem, Networks 42, 154-159, 2003 (con C.Archetti, L.Bertazzi).
53. LP solvable models for portfolio optimization: a classification and computational comparison, IMA Journal of Management Mathematics 14, 187-220, 2003 (con R.Mansini, W.Ogryczack).
54. Scheduling groups of tasks with precedence constraints on three dedicated processors, Discrete Applied Mathematics 134, 141-168, 2004 (con R.Mansini, Z. Tuza).
55. An improved heuristic for the period traveling salesman problem, Computers and Operations Research 31, 1215-1222, 2004 (con L. Bertazzi, G. Paletta).
56. The on-line multiprocessor scheduling problem with known sum of the tasks, Journal of Scheduling 7, 421-428, 2004 (con E.Angelelli, A.B. Nagy, Z. Tuza)
57. Vehicle routing in the 1-skip collection problem, Journal of the Operational Research Society 55, 717-727, 2004 (con C.Archetti).
58. Worst-case analysis of the full load policy in the single link shipping problem, International Journal of Production Economics 93-94C, 217-224, 2005 (con L.Bertazzi).
59. Improved rounding procedures for the discrete version of the capacitated EOQ problem, European Journal of Operational Research 166, 25-34, 2005 (con L.Bertazzi).
60. Complexity and reducibility of the skip delivery problem, Transportation Science 39, 182-187, 2005 (con C.Archetti, R.Mansini).
61. Minimizing the total cost in an integrated Vendor-Managed Inventory System, Journal of Heuristics 11, 393-419, 2005 (con L.Bertazzi, G.Paletta).
62. An exact approach for portfolio selection with transaction costs and rounds, IIE Transactions 37, 919-929, 2005 (con R. Mansini).
63. New bounds and algorithms for on-line scheduling: two identical processors, known sum and upper bound on the tasks, Discrete Mathematics and Theoretical Computer Science 8, 1-16, 2006 (con E.Angelelli, Zs. Tuza).
64. A tabu search algorithm for the split delivery vehicle routing problem, Transportation Science 40, 64-73, 2006 (con C.Archetti, A. Hertz).
65. Worst-case analysis for split delivery vehicle routing problems, Transportation Science 40, 226-234, 2006 (con C.Archetti e M.Savelsbergh).
66. Metaheuristics for the team orienteering problem, Journal of Heuristics 13, 49-76, 2007 (con C.Archetti, A.Hertz).
67. Competitive analysis for dynamic multi-period uncapacitated routing problems, Networks 49, 308-317, 2007 (con E.Angelelli, M.Savelsbergh).
68. Conditional value at risk and related linear programming models for portfolio optimization, Annals

of Operations Research 152, 227-256, 2007 (con R. Mansini, W. Ogryczak).
69. Competitive analysis of a dispatch policy for a dynamic multi-period routing problem, Operations Research Letters 35, 713-721, 2007 (con E.Angelelli, M.Savelsbergh).
70. Semi on-line scheduling on three processors with known sum of the tasks, Journal of Scheduling 10, 263-269, 2007 (con E.Angelelli, Zs. Tuza).
71. A branch-and-cut algorithm for a vendor managed inventory routing problem, Transportation Science 41, 382-391, 2007 (con C.Archetti, L.Bertazzi, G.Laporte).
72. Analysis of practical policies for a single link distribution system, Naval Research Logistics 54, 497-509, 2007 (con L.Bertazzi, A.Chan).
73. To split or not to split: That is the question, Transportation Research E 44, 114-123, 2008 (con C.Archetti, M.Savelsbergh).
74. An optimization-based heuristic for the split delivery vehicle routing problem, Transportation Science 42, 22-31, 2008 (con C.Archetti and M.Savelsbergh).
75. Semi on-line scheduling on two uniform processors, Theoretical Computer Science 393, 211-219, 2008 (con E.Angelelli, Zs. Tuza).
76. A comparison of MAD and CVaR with real features, Journal of Banking and Finance 32, 1188-1197, 2008 (con E.Angelelli, R.Mansini).
77. On the effectiveness of scenario generation techniques in single-period portfolio optimization, European Journal of Operational Research 192, 500-511, 2009 (con G.Guastaroba, R.Mansini).
78. Short term strategies for a dynamic multi-period routing problem, Transportation Research C 17, 106-119, 2009 (con E.Angelelli, N.Bianchessi, R.Mansini).
79. Models and simulations for portfolio rebalancing, Computational Economics 33, 237-262, 2009 (con G. Guastaroba, R. Mansini)
80. The capacitated team orienteering and pro table tour problems, Journal of the Operational Research Society 60, 831-842, 2009 (con C.Archetti, D.Feillet, A. Hertz)
81. Comparison of policies in dynamic routing problems, Journal of the Operational Research Society 61, 686-695, 2009 (con E.Angelelli, N.Bianchessi, R.Mansini)
82. Geometric representation for semi on-line scheduling on uniform processors, Optimization Methods & Software (OMS) 25, 421-428, 2010 (con E.Angelelli, J.Szoldatics, Zs. Tuza)
83. Kernel Search: A general heuristic for the Multi-dimensional Knapsack Problem, Computers and Operations Research 37, 2017-2026, 2010 (con E.Angelelli, R.Mansini)
84. The undirected capacitated arc routing problem with profits, Computers and Operations Research 37, 1860-1869, 2010 (con C.Archetti, D.Feillet, A. Hertz)
85. Reoptimizing the 0-1 knapsack problem, Discrete Applied Mathematics 158, 1879-1887, 2010 (con C.Archetti, L.Bertazzi)
86. Exact Solutions to the Double Travelling Salesman Problem with Multiple Stacks, Networks 56, 229-243, 2010 (con C.Archetti, H.Petersen)
87. Analysis of the maximum level policy in a production-distribution system, Computers and Operations Research 38, 1731-1746, 2011 (con C. Archetti, L.Bertazzi, G.Paletta)
88. Two uniform machines with nearly equal speeds: Unified approach to known sum and known optimum in semi on-line scheduling, Journal of Combinatorial Optimization, 21, 458-480, 2011 (con G. Dosa, Zs. Tuza)
89. Complexity of the VRP and SDVRP, Transportation Research Part C, 19, 741-750, 2011 (con C. Archetti, D. Feillet, M. Gendreau)
90. Investigating the effectiveness of robust portfolio optimization techniques, Journal of Asset Management 12, 260-280, 2011 (con G.Guastaroba, G.Mitra)
91. A column generation approach for the Split Delivery Vehicle Routing Problem, Networks 58, 241-254, 2011 (con C.Archetti, N.Bianchessi)
92. Kernel Search: An application to the index tracking problem, European Journal of Operational Research 217, 54-68, 2012 (con G.Guastaroba)
93. Kernel search: A new heuristic framework for portfolio selection, Journal of Computational Optimization and Applications 51, 345-361, 2012 (con E.Angelelli, R.Mansini)
94. Vehicle Routing Problems with Split Deliveries, International Transactions on Operations Research 19, 3-22, 2012 (con C.Archetti)
95. A hybrid algorithm for an inventory-routing problem, INFORMS Journal on Computing 24, 101-116, 2012 (con C.Archetti, L.Bertazzi, A. Hertz)
96. CORAL: An exact algorithm for the Multidimensional Knapsack Problem, INFORMS Journal on Computing 24, 399415, 2012 (con R.Mansini)
97. Inventory Routing Problems: An introduction, EURO Journal on Transportation and Logistics 1, 307-326, 2012 (con L.Bertazzi)
98. A branch-and-cut algorithm for the pickup and delivery Traveling Salesman Problem with multiple stacks, Networks 60, 212-226, 2012 (con J.-F. Cote', C. Archetti, M. Gendreau, J.-Y. Potvin)
99. Kernel Search for the Capacitated Facility Location Problem, Journal of Heuristics 18, 877-917, 2012 (con G.Guastaroba)
100. Reoptimizing the Rural Postman Problem, Computers & Operations Research 40, 1306-1313,

2013 (con C.Archetti, G.Guastaroba)
101. Inventory Routing Problems with multiple customers, EURO Journal on Transportation and Logistics 2, 255-275, 2013 (con L.Bertazzi)
102. A branch-and-bound algorithm for the double TSP with two stacks, Networks 61, 58-75, 2013 (con F.Carrabs, R. Cerulli)
103. Optimal solutions for routing problems with profits, Discrete Applied Mathematics 161, 547557, 2013 (con C Archetti, N Bianchessi)

104. Asymptotic analysis of periodic policies for the inventory routing problem, Naval Research Logistics 60, 525-540, 2013 (con L.Bertazzi, A.Chan)
105. The Capacitated Team Orienteering Problem with Incomplete Service, Optimization Letters 7, 1405-1417, 2013 (con C.Archetti, N.Bianchessi)
106. An ILP-refined tabu search for the Directed Profitable Rural Postman Problem, Discrete Applied Mathematics 163, 3-16, 2014 (con C.Archetti, G.Guastaroba)
107. The Distance Constrained Multiple Vehicle Traveling Purchaser problem, European Journal of Operational Research 235, 73-87, 2014 (con N.Bianchessi, R.Mansini)
108. The Split Delivery Capacitated Team Orienteering Problem, Networks 63, 16-33, 2014 (con C.Archetti, N.Bianchessi, A. Hertz)
109. Incomplete service and split deliveries in a routing problem with profits, Networks 63, 135-145, 2014 (con C.Archetti, N.Bianchessi, A. Hertz)
110. Twenty years of linear programming based portfolio optimization, European Journal of Operational Research 234, 518-535, 2014 (con R.Mansini, W. Ogryczak)
111. Complexity and approximation for Traveling Salesman Problems with profits, Theoretical Computer Science 531, 54-65, 2014 (con E. Angelelli, C. Bazgan, Z. Tuza)
112. Association of European Operational Research Societies, in Wiley Encyclopedia of Operations Research and Management Science, Cochran, J.J., Cox, L.A., Keskinocak, P., Kharoufeh, J.P., Smith, J.Cole (eds.), John Wiley & Sons, Inc., 2011.
113. A Heuristic for BILP Problems: The Single Source Capacitated Facility Location Problem, European Journal of Operational Research 238, 438-450, 2014 (con G.Guastaroba)
114. Branch-and-Cut Algorithms for the Split Delivery Vehicle Routing Problem, European Journal of Operational Research 238, 685-698, 2014 (con C. Archetti, N. Bianchessi)
115. Formulations for an inventory routing problem, International Transactions in Operational Research 21, 353-374, 2014 (con C. Archetti, N. Bianchessi, S.Irnich)
116. The Team Orienteering Arc Routing Problem, Transportation Science 48, 442-457, 2014 (con C.Archetti, A.Corberan, I.Piana, J.M.Sanchis)
117. The directed pro table Location Rural Postman Problem, European Journal of Operational Research 236, 811-819, 2014 (con C.Arbib, M.Servilio, C.Archetti)

118. The Locomotive Assignment Problem: a survey on optimization models, International Transactions on Operations Research 21, 327-352, 2014 (con F.Piu)
119. Polynomial Cases of the Economic Lot Sizing Problem with Transportation Cost Discounts, European Journal of Operational Research 237, 519527, 2014 (con C.Archetti, L.Bertazzi)
120. A survey on matheuristics for routing problems, EURO Journal on Computational Optimization 2, 223-246, 2014 (con C. Archetti)
121. Multi-commodity vs. single-commodity routing, Transportation Science 50, 461-472, 2014 (con C. Archetti, A. Campbell)
122. The Vehicle Routing Problem with Divisible Deliveries and Pickups, Transportation Science 49, 271-294, 2015 (con C. Archetti, G. Nagy, N. A. Wassan)
123. A survey on two-echelon routing problems, Computers & Operations Research 55, 185-199, 2015 (con R. Cuda, G. Guastaroba)
124. Multi-period Vehicle Routing Problem with Due Dates, Computers & Operations Research 61, 122-134, 2015 (con C. Archetti, O. Jabali)
125. A branch-price-and-cut algorithm for the commodity constrained split delivery vehicle routing problem, Computers & Operations Research 64, 1-10, 2015 (con C. Archetti, N. Bianchessi)
126. A matheuristic for the Team Orienteering Arc Routing Problem, European Journal of Operational Research 245, 392-401, 2015 (con C.Archetti, A.Corberan, I.Piana, J.M.Sanchis)
127. Introducing a preliminary consists selection in the Locomotive Assignment Problem, Transportation Research Part E: Logistics and Transportation Review 82, 217-237, 2015 (con F.Piu, V.Prem Kumar, M.Bierlaire)
128. Complexity of routing problems with release dates, European Journal of Operational Research 247, 797803, 2015 (con C. Archetti, D. Feillet)
129. The multi-compartment vehicle routing problem with flexible compartment sizes, European Journal of Operational Research 246, 730-743, 2015 (con T.Henke, G.Waescher)
130. A branch-and-cut algorithm for the Orienteering Arc Routing Problem, Computers & Operations Research 66, 95104, 2016 (con C.Archetti, A.Corberan, I.Piana, J.M.Sanchis)
131. On the collaboration uncapacitated arc routing problem, Computers & Operations Research 67, 120-131, 2016 (con E. Fernandez, D. Fontana)

132. The inventory routing problem: The value of integration, International Transactions on Operations Research 23, 393-407, 2016 (con C. Archetti)

133. Linear programming models based on Omega ratio for the Enhanced Index Tracking Problem, European Journal of Operational Research 251, 938-956, 2016 (con G. Guastaroba, R.Mansini, W.Ogryczack)
134. The Vehicle Routing Problem with Occasional Drivers, European Journal of Operational Research 254, 472-480, 2016 (con C. Archetti, M. Savelsbergh)
135. Intermediate facilities in freight transportation planning: a survey, 50, 763-789, 2016 Transportation Science (con G. Guastaroba, D. Vigo)
136. Proactive route guidance to avoid congestion, Transportation Research B 94, 1-21, 2016 (con E. Angelelli, I. Arsik, V. Morandi, M. Savelsbergh)
137. A heuristic framework for the bi-objective enhanced index tracking problem, Omega 65, 122-137, 2016 (con C. Filippi, G. Guastaroba)
138. The value of integrating loading and routing, European Journal of Operational Research) 257, 89-105, 2017 (con J-F Cote', G. Guastaroba)
139. A matheuristic for the multi-vehicle inventory routing problem, Informs J. on Computing 29, 377-387, 2017 (con C. Archetti, N. Boland)
140. Adaptive Kernel Search: A Heuristic for Solving Mixed Integer Linear Programs, European Journal of Operational Research) 263, 789-804, 2017 (con G. Guastaroba, M. Savelsbergh)
141. Minimizing the logistic ratio in the inventory routing problem, EURO Journal on Transportation and Logistics) 6, 289-306, 2017 (con C. Archetti, G. Desaulniers)
142. Trends in transportation and logistics, European Journal of Operational Research 264, 830-836, 2018
143. Inventory routing with pickups and deliveries, European Journal of Operational Research 268, 314324, 2018 (con C. Archetti, M. Christiansen)
144. An iterated local search for the traveling salesman problem with release dates and completion time minimization, Computers & Operations Research 98, 24-37, 2018 (con C. Archetti, A. Mor, D. Feillet)
145. A branch-and-cut algorithm for the Team Orienteering Problem, International Transactions on Operations Research 25, 627-635, 2018 (con N. Bianchessi, R. Mansini)
146. Comparing Sequential and Integrated Approaches for the Production Routing Problem, European Journal of Operational Research, 269, 633-646, 2018 (con N. Absi, C. Archetti, D. Feillet, S. Dauzere-Peres)

147. A simulation study of an on-demand transportation system, International Transactions of Operations Research 25, 1137-1161, 2018 (con C. Archetti, D. Weyland)
148. The Shared Customer Collaboration Vehicle Routing Problem, European Journal of Operational Research 265, 1078-1093, 2018 (con E. Fernandez, M. Roca-Riu)
149. Bridging k-sum and CVaR optimization in MILP, Computers & Operations Research 105, 156-166, 2019 (con C. Filippi, W.Ogryczack)
150. A Branch-and-Cut Algorithm for the Multi-Compartment Vehicle Routing Problem with Flexible Compartment Sizes, Annals of Operations Research 275, 321-338, 2019 (con T. Henke, G. Waescher)
151. An exact algorithm for the inventory routing problem with logistic ratio, Transportation Research E 131, 96-107, 2019 (con C.Archetti, L.C Coelho)
152. Congestion avoiding heuristic path generation for the proactive route guidance approach, in stampa in Computers & Operations Research) (con E. Angelelli, V. Morandi)
153. Flexible two-echelon location routing, in stampa in European Journal of Operational Research (con C. Archetti, L. C. Coelho, M. Darvish)
154. The Pickup and Delivery Problem with Time Windows and Occasional Drivers, in stampa in Computers & Operations Research doi.org/10.1016/j.cor.2019.04.023 (con L. Dahle, H. Andersson, M. Christiansen)
155. A trade-off between average and maximum arc congestion minimization in traffic assignment with user constraints, in stampa in Computers & Operations Research (con E. Angelelli, V. Morandi)
156. Exact solution methods for the multi-vehicle multi-period vehicle routing problem with due dates, in stampa in Computers & Operations Research (con C.Archetti, L.C Coelho, H.Larrain)
157. Managing an automated clinical laboratory: Optimization challenges, in stampa in EURO Journal on Decision Processes (con C.Archetti, E. Garrafa, A. Montanelli)
158. Network design in strategic alliances, in stampa in Omega (con O. Arslan, C. Archetti, O. Jabali, G. Laporte)
159. Managing an automated clinical laboratory: Optimization challenges, in stampa in EURO Journal on Decision Processes DOI:10.1007/s40070-019-00097-2 (con C.Archetti, E. Garrafa, A. Montanelli)

160. On single source capacitated facility location with cost and fairness objectives, in stampa in European Journal of Operational Research DOI: 10.1016/j.ejor.2019.07.045 (con C.Filippi, G.Guastaroba)

161. Dynamic traveling salesman problem with stochastic release dates, in stampa in European Journal of Operational Research (con C. Archetti, D. Feillet, A. Mor)
162. Conditional Value-at-Risk Beyond Finance: A Survey, in stampa in International Transactions on Operations Research (con C. Filippi, G. Guastaroba)
163. A branch-and-cut algorithm for the inventory routing problem with pickups and deliveries, in stampa in European Journal of Operational Research (con C. Archetti, M. Boccia, A. Sforza, C. Sterle)

Pubblicazioni su Volumi internazionali

1. Randomized algorithms, in Combinatorial Optimization. Annotated bibliographies, M.O'heigeartaigh, J.K.L.Lenstra e A.H.G.Rinnoy Kan (ed.), Wiley, New York, 89-105, 1984 (con F.Maffioli, C.Vercellis).
2. Discrete time point processes in road traffic, in Concise Encyclopedia of Traffic and Transportation Systems, Pergamon Press, 101-106, 1991 (con B.Betro', F.Schoen).
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20. Operations Research in transportation and supply chain management, in 'New Trends in Emerging Complex Real Life Problems', P.Daniele, L.Scrimali (eds), AIRO Springer Series, n. 1, 13-21, 2018.

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1. Linear and Mixed Integer Programming for Portfolio Optimization, EURO Advanced Tutorials on Operational Research, volume 1, Springer, ISBN 978-3-319-18482-1, 2015. (con R. Mansini, W. Ogryczak)
2. Quantitative approaches to distribution logistics and supply chain management, Springer Science & Business Media, vol. 519, 2012 (con A. Klose, L.N. Van Wassenhove, eds).
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4. Advances in distribution logistics, Lecture Notes in Economics and Mathematical Systems, Springer-Verlag, vol.460, 2012 (con B. Fleischmann, J. van Nunen, P. Stahly, eds).
5. Methodology, implementation and applications of Decision Support Systems, CISM Courses and Lectures 320, Springer Verlag, 1991 (con A.Lewandowski, P.Serafini, eds).

Appartenenza a gruppi / associazioni

Posizioni nelle associazioni scientifiche

- Membro del Consiglio Direttivo dell'Associazione Italiana di Ricerca Operativa dal 1990 al 1996;
- Membro dell'Executive Committee dell'EURO (association of European Operational Research Societies);
- Vice-Presidente di IFORS (International Federation of Operations Research Societies), rappresentante l'EURO dal 1 gennaio 2008 al 31 dicembre 2009.
- President elect dell'EURO nel 2010;
- Presidente dell'EURO nel 2011 e 2012;
- Fondatore dell'EURO Working Group su Routing and Logistics (VeRoLog) nel 2012;
- Presidente di TSL (Transportation Science and Logistic) society di INFORMS (The Institute for Operations Research and the Management Sciences) nel 2014;
- Presidente di IFORS (International Federation of Operations Research Societies), dal 1 gennaio 2019.

Appartenenza a gruppi / associazioni

Responsabilita' editoriali

- Membro dell'Editorial board di 'Collana di Ricerca operativa';
- Editor of the Series 'EURO Advanced Tutorials on Operational Research', Springer;
- Associate editor di RAIRO-Operations Research (dal 2016);
- Associate editor di Transportation Science (dal 2003 al 2018);
- Editor di ITOR (International Transactions of Operations Research) (dal 2009);
- Associate editor di TOP (rivista ufficiale della Spanish Society of Statistics and Operations Research) (dal 2012 al 2016);
- Area editor per Optimization problems in finance di 4OR (dal 2009);
- Editor dell'EURO Journal on Transportation and Logistics (dal 2011);
- Membro dell'Editorial board dell'EURO Journal on Computational Optimization (dal 2011);
- Membro dell'Editorial Board di Sustainability (dal 2019);
- Editor dell'International Journal of Portfolio Optimization (dal 2011);
- Editor del Mexican Journal of Operations Research (dal 2011);
- Membro dell'Editorial Advisory Board di Transportation Research B (dal 2001 al 2003);
- Area editor per Logistics, Distribution, Inventory and Transportation dell'Asia-Pacific Journal of Operational Research (dal 2009 al 2010);
- Membro dell'Editorial Advisory Board (EAB) del volume "Hybrid Algorithms for Service, Computing

and Manufacturing Systems: Routing, Scheduling and Availability Solutions".

Referee

E' stata referee per conto di numerose riviste internazionali fra cui: IEE Transactions, European Journal of Operational Research, Annals of Operations Research, International Journal of Production Economics, Operations Research, Transportation Research, Computers and Operations Research, Omega, International Transactions in Operational Research, Control and Cybernetics, Algorithmica, Journal of Scheduling, Transportation Science.

Ha curato volumi e numeri speciali di riviste:

- editor (con P.Sera ni) del Numero speciale su: "L'innovazione tecnologica nelle tecniche gestionali", Ricerca Operativa 55, 1990;
- editor (con A.Lewandowski e P.Sera ni) del volume "Methodology, implementation and applications of Decision Support Systems", CISM Courses and Lectures 320, Springer Verlag, 1991;
- "guest editor" di un numero speciale del vol.71, 1993 dell'European Journal of Operational Research;
- "guest editor" del numero speciale "Models and algorithms for planning and scheduling problems" del vol.72, 1997 di Discrete Applied Mathematics;
- "co-editor" del volume Advances in distribution logistics, Lecture Notes in Economics and Mathematical Systems, Springer-Verlag, vol.460, 1998.
- "co-editor" del volume New trends in distribution logistics, Lecture Notes in Economics and Mathematical Systems, Springer-Verlag, vol. 480, 1999.
- "co-editor" del volume Quantitative approaches to distribution logistics and supply chain management, Lecture Notes in Economics and Mathematical Systems, Springer-Verlag, vol. 519, 2002,
- "co-editor" del volume di Annals of Operations Research "Optimization in Transportation", 2004,
- "co-editor" dello special issue di Computers and Operations Research "Odysseus 2003 Second International Workshop on Freight Transportation Logistics", vol. 34, Issue 6, June 2007,
- "co-editor" dello special issue di Networks "Route 2011", Altea (Spagna);
- "co-editor" dello special issue di EURO Journal on Computational Optimization su "Matheuristics" (EURO Journal on Computational Optimization November 2014, Volume 2, Issue 4).