Publications of M. Grazia Speranza

International Journals

1. Multi-commodity vs. single-commodity routing (submitted for publication) (with C. Archetti, A. Campbell)

2. Vehicle routing problems with profits (submitted for publication) (with C. Archetti, D. Vigo)

3. Linear and mixed integer linear programming models for portfolio optimization (submitted for publication) (with R. Mansini, W. Ogryczak)

4. Arc routing problems with profits (submitted for publication) (with C. Archetti)

5. Inventory Routing Problems: An introduction (submitted for publication) (with L. Bertazzi)

6. Directed profitable Rural Postman Problem with Fixed Costs (submitted for publication) (with C. Arbib, M. Servilio, C. Archetti)

7. The Team Orienteering Arc Routing Problem, Quaderno di Dipartimento n. 376, 2012 (submitted for publication) (with C. Archetti, A. Corberan, I. Piana, J. M. Sanchis)

8. The Vehicle Routing Problem with Divisible Deliveries and Pickups, Quaderno di Dipartimento n. 375, 2012 (submitted for publication) (with C. Archetti, G. Nagy, N. A. Wassan)

9. Asymptotic analysis of periodic policies for the inventory routing problem (submitted for publication) (with L. Bertazzi, A. Chan)

10. Disruption recovery in basic network problems (submitted for publication) (with K. Papadaki)

11. Complexity and approximation for Traveling Salesman Problems with profits (submitted for publication) (with E. Angelelli, C. Bazgan, Zs. Tuza)

12. Incomplete service and split deliveries in a routing problem with profits (submitted for publication) (with C. Archetti, N. Bianchessi, A. Hertz)

13. Polynomial Cases of the Economic Lot Sizing Problem with Transportation Cost Discounts (submitted for publication) (with C. Archetti, L. Bertazzi)
14. Reoptimizing the Rural Postman Problem (submitted for publication) (with C.Archetti, G.Guastaroba)


17. The Split Delivery Capacitated Team Orienteering Problem, to appear in Networks (with C.Archetti, N.Bianchessi, A. Hertz)


22. A branch-and-bound algorithm for the double TSP with two stacks, Networks DOI 10.1002/net.21468 (with F.Carrabs, R. Cerulli)


32. Exact solutions to the double Travelling Salesman Problem with multiple stacks, *Networks* 56, 229-243, 2010 (with C.Archetti, H.Petersen)


36. Reoptimizing the 0–1 knapsack problem, *Discrete Applied Mathematics* 158, 1879-1887, 2010 (with C.Archetti, L.Bertazzi)


40. The capacitated team orienteering and profitable tour problems, *Journal of the Operational Research Society* 60, 831-842, 2009 (with C.Archetti, D.Feillet, A. Hertz)


42. To split or not to split: That is the question, *Transportation Research E* 44, 114-123, 2008 (with C.Archetti, M.Savelsbergh).


84. Approximation algorithms for partitioning items in unequal bins to minimize the total size, *Discrete Applied Mathematics* 94, 181-191, 1999 (with P.Dell’Olmo).


International Volumes


10. The application of a vehicle routing model to a waste collection problem: two case studies, in *Quantitative approaches to distribution logistics and supply chain management*, A. Klose, M.G. Speranza, L. Van Wassenhove (eds.),


31. Stochastic control in urban traffic, Lecture Notes in Control and Information Sciences, Springer-Verlag, 84, 75-83, 1986 (with B.Betrò, F.Schoen).
