

CURRICULUM VITAE

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Place and date of birth: Iseo (BS), Italy, 08/03/1975.

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Position

From September 1st, 2019, she is Associate Professor at Department of Information Systems, Decision Sciences and Statistics of ESSEC Business School in Paris. From November 3rd, 2014 to August 31st, 2019, she was Associate Professor in Operations Research at the Department of Economics and Management of the University of Brescia. In April 2017 she got the National Italian Qualification as Full Professor in Operations Research.

Education and Past Positions

1994: Bachelor in Business and Foreign Language obtained at the Istituto Tecnico Commerciale Astolfo Lunardi (BS), 58/60.

December 11, 1998: Degree in Economics at the University of Brescia, 110/110 cum laude, title of the thesis “Models and Algorithms for the Transportation

of Solid Waste”, supervisor Prof. Maria Grazia Speranza.

May 1998 - May 1999: internship at ASM (Brescia) for the development of a software for the organization of the waste collection service.

May 15-19, 2000: participation at the DONET Spring School on “Computational Combinatorial Optimization”, Schloss Dagstuhl, Germany.

September 2000 - June 2001: visiting student at the Swiss Federal Institute of Technology in Lausanne (EPFL), Switzerland, referents Prof. Dominique De Werra and Prof. Alain Hertz.

May 6-8, 2002: participation at the Spring School on “Logistics and Distribution Management”, Montréal, Canada.

December 9, 2002: PhD Degree in “Computational Methods for Economic and Financial Decisions and Forecast”, University of Bergamo, title of the thesis “Analysis and Solution Methods for some Vehicle Routing Problems”, supervisor Prof.ssa Maria Grazia Speranza.

March 1, 2003 - January 3, 2005: post-doc student at the University of Brescia, research project “Models and Algorithms for Vehicle Routing Problems”, supervisor Prof.ssa Maria Grazia Speranza.

January 3, 2005 - November 3, 2014: Assistant Professor in Operations Research at the Department of Economics and Management of the University of Brescia.

Conferences

June 13-19, 2001: Triennial Symposium on Transportation Analysis (Tristan IV), Azores, Portugal. Title of the talk “The vehicle routing problem with capacity 2 and 3, general distances and multiple customer visits”.

July 9-11, 2001: European Conference on Operational Research (EURO 2001), Rotterdam, Netherland. Title of the talk “The split delivery vehicle routing problem with capacity 2 and 3”.

September 4-7, 2001: AIRO Conference 2001, Cagliari, Italy. Title of the talk “The vehicle routing problem with capacity 2 and 3, general distances and multiple customer visits”.

September 26-29, 2001: Operational Research Peripatetic Postgraduate Program (ORP3), Paris, France. Title of the talk “The vehicle routing problem with capacity 2 and 3, general distances and multiple customer visits”.

April 16-17, 2002: Local Search Workshop, London, UK. Title of the talk “The 1-skip collection problem”.

May 6-8, 2002: Optimization Days, Montréal, Canada. Title of the talk “The split delivery vehicle routing problem with small capacity”.

September 9-13, 2002: AIRO Conference 2002, L’Aquila, Italy. Title of the talk “A direct trip algorithm for the k -split delivery vehicle routing problem”.

October 5-9, 2002: International Workshop on Distribution and Logistics - IWDL 7, Grainau, Germany. Title of the talk “The 1-skip collection problem”.

August 25-27, 2004: Symposium on Transportation and Logistics - TraLog 2004, Molde, Norway. Title of the talk “Approximation algorithms for the traveling salesman reoptimization problem”.

September 7-10, 2004: AIRO Conference 2004, Lecce, Italy. Title of the talk “Approximation algorithms for the traveling salesman reoptimization problem”.

May 22-26, 2006: Odysseus 2006, Altea, Spain. Title of the talk “Worst-case analysis for split delivery vehicle routing problems”.

September 12-15, 2006: AIRO Conference 2006, Cesena, Italy. Title of the talk “An optimization-based heuristic for the split delivery vehicle routing problem”.

February 5-9, 2007: AIRO WINTER 2007, Cortina d'Ampezzo, Italy. Title of the talk "Reoptimizing the 0-1 knapsack problem".

May 13-16, 2007: Route 2007, Jekyll Island, Georgia, USA. Title of the talk "An optimization-based heuristic for the split delivery vehicle routing problem".

June 11-15, 2007: Triennial Symposium on Transportation Analysis (TRISTAN VI), Phuket Island, Thailand. Title of the talk "An optimization-based heuristic for the split delivery vehicle routing problem".

June 18-21, 2008: Matheuristics 2008, Bertinoro, Italy. Title of the talk "An optimization-based heuristic for the split delivery vehicle routing problem".

October 23-24, 2008: EUMEeting 2008, Troyes, France. Title of the talk "A hybrid heuristic for an inventory routing problem".

May 11-13, 2009: IWDL 2009, 's-Hertogenbosch, Netherland. Title of the talk "A hybrid heuristic for an inventory routing problem".

May 26-29, 2009: Odysseus 2009, Cesme, Turkey. Title of the talk "Optimization of an integrated production-distribution system".

June 21-24, 2009: Route 2009, Skodsborg, Denmark. Title of the talk "The undirected capacitated arc routing problem with profits".

September 8-11, 2009: AIRO Conference 2009, Siena, Italy. Title of the talk "A hybrid heuristic for an inventory routing problem".

June 13-17, 2010: GO VII, Ovronnaz, Switzerland. Title of the talk "The team orienteering problem with split deliveries".

June 20-25, 2010: Triennial Symposium on Transportation Analysis (TRISTAN VII), Trømso, Norway. Title of the talk "The team orienteering problem with split deliveries".

June 28-30, 2010: Matheuristics 2010, Vienna, Austria. Title of the talk “The team orienteering problem with split deliveries”.

August 23-25, 2010: Now 2010, Ajaccio, France. Title of the talk “A hybrid heuristic for an inventory routing problem”.

September 6-9, 2010: AIRO Conference 2010, Reggio Calabria, Italy. Title of the talk “Enhanced branch-and-price-and-cut for vehicle routing with split deliveries and time windows”.

May 31 - June 3, 2011: Route 2011, Sitges, Spain. Title of the talk “Analysis of the maximum level policy in a production-distribution system”.

September 6-9, 2011: AIRO Conference 2011, Brescia, Italy. Title of the talk “The orienteering problem with set constraints”.

May 2-5, 2012: CORAL 2012, Benicassim, Spain. Title of the talk “A matheuristic for the team orienteering arc routing problem”.

May 21-25, 2012: Odysseus 2012, Mykonos, Greece. Title of the talk “A matheuristic for the team orienteering arc routing problem”.

June 18-20, 2012: VeroLog 2012, Bologna, Italy. Title of the talk “A hybrid heuristic for an inventory routing problem”.

September 6-9, 2012: AIRO Conference 2012, Vietri, Italy. Title of the talk “A matheuristic for the team orienteering arc routing problem”.

May 22-24, 2013: WARP 2013, Copenhagen, Denmark. Title of the talk “A matheuristic for the team orienteering arc routing problem”.

July 1-4, 2013: EURO/INFORMS 2013, Rome, Italy. Title of the talk “Reoptimizing the Rural Postman problem”.

July 7-10, 2013: VeroLog 2013, Southampton, UK. Title of the talk “Reoptimizing the Rural Postman problem”.

May 28-30, 2014: ECMS 2014, Brescia, Italy. Program Chair.

June 22-25, 2014: VeroLog 2014, Oslo, Norvegia. Plenary lecture “Matheuristics for routing problems”.

July 6-10, 2014: GO Meeting 2014, Sirmione, Italy. Member of the organizing committee.

July 14-18, 2014: IFORS 2014, Barcelona, Spain. Title of the talk “A matheuristic for the multi-vehicle inventory routing problem”.

November 8-13 2014: INFORMS 2014, San Francisco, USA. Title of the talk “Multi-commodity vs single commodity routing”.

June 8-10 2015: VeroLog 2015, Vienna, Austria. Title of the talk “The Vehicle Routing Problem with Release Dates”.

July 12-15 2015: EURO 2015, Glasgow, UK. Title of the talk “A branch-and-price-and-cut algorithm for the commodity-constrained split delivery vehicle routing problem”.

September 30 - October 2 2015: CORAL 2015, Salamanca, Spain. Title of the talk “Multi-period vehicle routing problem with due dates”.

May 16-18 2016: ISCO 2016, Vietri sul Mare, Italy. Title of the talk “A matheuristic for the multi-vehicle inventory routing problem”.

June 5-8 2016: VeroLog 2016, Nantes, France. Title of the talk “Minimizing the logistic ratio in the inventory routing problem”.

June 13-18 2016: Triennial Symposium on Transportation Analysis (TRISTAN IX), Aruba. Title of the talk “The Vehicle Routing Problem with Occasional Drivers”.

September 6-9 2016: AIRO 2016, Trieste, Italy. Title of the talk “Minimizing the logistic ratio in the inventory routing problem”.

June 12-13 2017: Route Optimization/VEHICLE Routing (ROVER) Workshop, Warsaw, Poland. Title of the talk “Heuristics for the traveling salesman problem with release dates and completion time minimization”.

June 19-21 2017: Workshop “Heuristics and metaheuristics: foundation, methodology and applications”, Isernia, Italy. Title of the talk “Heuristics for the traveling salesman problem with release dates and completion time minimization”.

July 9-12 2017: VeroLog 2017, Amsterdam, Netherlands. Title of the talk “Inventory routing with pickups and deliveries”.

September 4-7 2017: ODS2017, Sorrento, Italy. Title of the talk “Inventory routing with pickups and deliveries”.

June 4-8 2018: Odysseus 2018, Cagliari, Italy. Title of the talk “Flexible two-echelon location routing”.

June 25-27 2018: EURO/ALIO 2018, Bologna, Italy. Title of the talk “An iterated local search algorithm for the traveling salesman problem with release dates and completion time minimization”.

July 8-11 2018: EURO 2018, Valencia, Spain. Title of the talk “A two-phase solution algorithm for the flexible periodic vehicle routing problem”.

September 10-13 2018: ODS 2018, Taormina, Italy. Title of the talk “Dynamic traveling salesman problem with stochastic release dates”.

February 4-8 2019: plenary talk “Vehicle routing problems and recent business trends”, ORBEL 2019, Hasselt, Belgio.

May 30 - June 1 2019: ECCO XXXII, La Valletta, Malta. Title of the talk “A kernel search heuristic for the multi-vehicle inventory routing problem”.

May September 4-7 2019: ODS XXXII, Genova, Italy. Title of the talk “A kernel search heuristic for the multi-vehicle inventory routing problem”.

Seminars

July 2001: “The vehicle routing problem with capacity 2 and 3, general distances and multiple customer visits”, Swiss Federal Institute of Technology in Lausanne (EPFL), Lausanne, Switzerland.

May 2007: “Optimization of an integrated production-distribution system”, Georgia Institute of Technology, Atlanta, Georgia, Usa.

November 2007: “An optimization-based heuristic for the split delivery vehicle routing problem”, GERAD, École Polytechnique, Montréal (Qc), Canada.

April 2008: “Optimization of an integrated production-distribution system”, Université d’Avignon et des Pays de Vaucluse, Avignon, France.

May 2008: “Metaheuristics for routing problems with profits”, University of Vienna, Austria.

January 2010: “The split delivery vehicle routing problem”, University of Vienna, Austria.

September 2010: “A hybrid heuristic for an inventory routing problem”, École des Mines de Saint Etienne, Gardanne, France.

June 2012: “Challenges in aged-friendly transportation systems”, ALIAS Workshop “Active ageing: challenges and opportunities”, Università degli Studi di Milano Bicocca, Milan, Italy.

October 2013: “Matheuristics for arc routing problems”, Polytechnical University of Barcelona, Spain.

March 2014: “A matheuristic for the multi-vehicle inventory routing problem”, École des Mines de Saint Etienne, Gardanne, France.

November 2014: “A matheuristic for the multi-vehicle inventory routing problem”, Middle East Technical University, Ankara, Turkey.

Novembre 2014: seminario dal titolo “Matheuristics: the power of combining heuristics with MILPs” Middle East Technical University, Ankara, Turkey.

November 2014: “Matheuristics for routing problems”, University of Iowa, Iowa City, USA.

January 2015: “A matheuristic for the multi-vehicle inventory routing problem”, Johannes Gutenberg University, Mainz, Germany.

April 2015: “Matheuristics for routing problems”, University of Valencia, Valencia, Spain.

September 2015: “On-demand transportation”, ALIAS PhD Summer School “The Complexity of the Ageing Society: Research and Technological Challenges”, Università degli Studi di Milano Bicocca, Milan, Italy.

September 2015: “A matheuristic for the multi-vehicle inventory routing problem”, Norwegian University of Science and Technology, Trondheim, Norway.

January 2016: “Matheuristics for routing Problems”, GERAD, Montréal, Canada.

January 2016: “The vehicle routing problem with occasional drivers” University of Ghent, Ghent, Belgium.

May 2017: “Matheuristics for routing Problems”, Xi’an Jiaotong University, Xi’an, Cina.

May 2017: “A matheuristic for the multi-vehicle inventory routing problem”, Xi’an Jiaotong University, Xi’an, Cina.

December 2018: “Dynamic traveling salesman problem with stochastic release dates”, École Centrale de Lille, Lille, France.

March 2019: “The flexible periodic vehicle routing problem”, ESSEC Business school, Paris, France.

May 2019: “A kernel search heuristic for the multi-vehicle inventory routing problem”, University of Vienna, Austria.

May 2019: “Vehicle routing problems and recent business trends”, University of Vienna, Austria.

January 2020: “Dynamic traveling salesman problem with stochastic release dates”, University of Rotterdam.

Research visits

May 2017: she visited Prof. Liangjung Ke at the Xian Jaotong University in Xian, China.

February 2018: she visited Prof. Ali Diabat the New York University in Abu Dhabi, Emirates.

December 2018: she visited the INRIA Institute in Lille for a project collaboration with Prof. Frederic Semet and Diego Cattaruzza.

Teaching

She currently teaches Decision Analysis, Optimal Decision Making and Math Refreshing for the Grande Ecole Program and Advanced Optimization - PhD Program at ESSEC.

The past teaching activity at the Department of Economics and Management of the University of Brescia includes the following courses:

- ‘Decision Analysis’ for undergraduate students.
- ‘Operations Management’ for undergraduate students.
- ‘Green economy and sustainability’ and ‘International business’ for master students.
- ‘Linear Optimization’ to PhD students in ‘Analytics for Economics and Management’.

- ‘Models for Production Systems’ for undergraduate students.
- ‘Operations Research’ for undergraduate students.
- ‘Operations Research for Business’ for master students.
- Short courses in logistics and linear programming software for undergraduate students.
- ‘Optimization in Finance’ for master students.
- ‘Implementing solution approaches for the Traveling Salesman Problem’ for PhD students at the EURO PhD School on Routing and Logistics.

Past teaching activity at other Departments:

- ‘Combinatorial Optimization’ at the Faculty of Engineering of the University of Brescia for master students.
- ‘Location Problems’ for a master program in ‘Computational Science and Advanced Calculation’ at the University of Calabria.

Tutoring and supervisioning

- She has been supervisor of many graduation and master thesis.
- She worked with many PhD students of the program in “Analytics for Economics and Business” of the University of Bergamo.
- She is co-supervised, together with Prof. Elena Fernández, the PhD thesis of Diana Huerta-Muñoz, “The Flexible Periodic Vehicle Routing Problem: Modeling alternatives and solution techniques”, Universitat Politècnica de Catalunya, Barcelona.
- She is supervisor of the PhD thesis of Lorenzo Peirano, PhD program in “Analytics for Economics and Business”.
- She is supervisor of the PhD thesis of Michele Martinello, PhD program in “Analytics for Economics and Management”.
- She is supervisor of the PhD thesis of Nariman Mammadov, PhD program in “Analytics for Economics and Management”.

Institutional activities

- From October 2010 to October 2012 she was member of the Administration Council of the University of Brescia.
- From October 2005 to October 2010 she was member of the Research Council of the University of Brescia.
- From January 2005 to October 2012 she was member of the Economic Faculty Council of the University of Brescia.
- From October 2012 to October 2014 she was member of the Board of the Department of Economics and Management of the University of Brescia.

Projects

1997-1998: collaboration to the Life Project “New methods of selective collection and transportation of solid waste, supported by advanced modelling for comparative evaluation of system cost-effectiveness”.

June 2002 - March 2003: collaboration to the national project n. 34425 “Collegamento tra mondo della ricerca e imprese” Ob. 3 Mis. D4 - 2001- development of software and teaching material for the module “Supply Chain Management (SCM)”.

November 2008: collaboration to the project PRIN 2007 “Optimization of distribution logistics”.

June 2010: collaboration to the project “IMPULSO” for the call “Industria 2015: Bando Mobilità sostenibile” of the Industry Ministry.

December 2010: collaboration to the project “ALIAS: ALta formazione e Internazionalizzazione nell’Ageing Society” for the call CARIPLO “Promuovere la formazione di capitale umano di eccellenza”.

December 2011: collaboration to the project PRIN 2009 “models and algorithms for the optimization of the logistics”.

Dicembre 2012: collaboration to the University project “Anziani IN-RETE: INvecchiamento, stato di salute e RETE sociale in anziani residenti a Brescia” .

January 2015: collaboration to the University project “ILDIF: Integrazione della Logistica Diretta e Inversa del Fresco” founded by the University of Brescia and ”Fondazione Comunitá Bresciana” .

May 2016: collaboration to the University project “BIOMANE - BIOmarcatori di MAIattie NEurodegenerative” founded by the University of Brescia.

December 2017: she received the FFABR grant for research activity from the Ministry of Education (MIUR).

January 2019: collaboration to the project “Per una maggiore sicurezza dell’utente debole della strada” founded by the University of Brescia.

Research activity

The research activity has been focused mainly on the development of exact and heuristic methods for combinatorial optimization problems. The research topics include, but are not limited to, routing problem and logistics. She has carried out the scientific activity in collaboration with Italian and foreign colleagues and published joint papers with some of the best researchers at the international level.

Editorial activity

1. She was Area Editor of “Computers and Operations Research” .
2. She is Associate Editor of “Networks” .
3. She is Associate Editor of “Transportation Science” .
4. She is Associate Editor of “European Journal of Operational Research” .
5. In 2010 and in 2017 she received the “Best Reviewer Award” for the “European Journal of Operational Research” .

6. In 2014 she received the “Best Reviewer Award” for “Omega”.
7. She is editor, with F. Squazzoni, F. Baronio and M. Castellani, of the book “ECMS 2014: Proceedings of the 28th European Conference on Modelling and Simulation”, 2014.
8. She is editor, with M. Grazia Speranza and D. Pisinger, of the Special Issue in “Matheuristics” of the Euro Journal on Computational Optimization, vol. 2, 2014.
9. She is editor, with Luca Bertazzi, Martin Milanic, David Schindl and Sacha Varone, of the Special Issue “Ninth International Colloquium on Graphs and Optimization (GO IX), 2014” of Discrete Applied Mathematics, vol. 234, 2018.
10. She is editor, with Bogumil Kamiński, and Maciek Nowak, of the Special Issue “Future of Route Optimization/Vehicle Routing”, upcoming in Networks.
11. She is editor, with Jean-François Cordeau and Guy Desaulniers, of the Special Issue “Combining optimization and machine learning: applications in vehicle routing, network design and crew scheduling ” of EURO Journal on Transportation and Logistics, to appear in 2019.
12. She acts as referee for many international journals like:
 - Annals of Operations Research.
 - Central European Journal of Operations Research.
 - Computers and Industrial Engineering.
 - Computers and Operations Research.
 - Discrete Applied Mathematics.
 - EURO Journal on Transportation and Logistics.
 - European Journal of Operations Research.
 - International Transactions in Operational Research.
 - Journal of Discrete Algorithms.
 - Journal of Heuristics.
 - Journal of Production Economics.

- Journal of Scheduling.
- Journal of the Operational Research Society.
- Naval Research Logistics.
- Omega, The International Journal of Management Science.
- Operational Research: An International Journal.
- Operations Research.
- Optimization Letters.
- Production and Operations Management.
- Transactions on Evolutionary Computation.
- Transportation Research E.
- Transportation Science.
- 4OR.

Evaluation and Executive Committees

- From January 2018 she is Vice-President 3 of EURO, the Association of European Operational Research Societies, in charge of publications and communications.
- From January 1st 2017 she is member of the FWO expert panel G&M2: Economics, Business Economics and Management.
- She has been member of the PhD committee for the following Phd students/PhD programs:
 - Magnus Stålhane, University of Trondheim, Norway, 2012.
 - Arahona Pfeffer, University of Tel Aviv, Israel, 2013.
 - Ahmad Hemmati, University of Trondheim, Norway, 2015.
 - PhD program in Informatics at the University of Salerno, Italy, 2016.
 - PhD program in Informatics at the University of Milano Bicocca, Italy, 2016.
 - Christian Tilk, University of Mainz, Germany, 2016.

- Beatriz Santos Hernández, University of La Laguna, Spain, 2016.
- Maryam Darvish, University of Laval, Canada, 2017.
- Hamza Ben Ticha, École des Mines de Saint-Étienne, France, 2017.
- Imen Ben Mohamed, University of Bordeaux and Kedge Business School, 2019.
- Peter Matl, University of Vienna, Austria, 2019.
- Annelieke Baller, University of Amsterdam, 2019.
- Yuan Yuan, University of Lille, 2019.
- Nicola Gastaldon, University of Padova, 2020.

Other research activities

Plenary Talks

- She gave a plenary lecture at the conference VeroLog 2014, Oslo, Norway.
- She was invited as lecturer at the "EURO PhD school in Matheuristics", Nantes, France, 2016.
- She was invited as plenary lecturer at Belgian OR Conference (ORBEL), 2019.

Conference Committees

- She was member of the organizing committee of the conference "International Workshop on Distribution and Logistics (IWDL) 2006", Brescia, Italy.
- She was member of the scientific committee of the conference "Matheuristics 2010", Vienna, Austria.
- She was member of the organizing committee of the conference "AIRO 2011", Brescia, Italy.
- She was program chair of the conference "ECMS 2014", Brescia, Italy.
- She was member of the organizing committee of the conference "GO meeting 2014", Sirmione, Italy.

- She was member of the organizing committee of the "EURO PhD school on Routing and Logistics", Brescia, 2015.
- She was member of the program committee of the conference EURO 2015, Glasgow, UK.
- She was member of the scientific committee of the conference "Matheuristics 2016", Brussels, Belgium.
- She was member of the program committee of the conference "ICORES 2017", Porto, Portugal.
- She is member of the program committee of the conference "ICCL 2018 (9th International Conference on Computational Logistics)", Vietri sul Mare, Italy.
- She is member of the program committee of the conference "11th International Workshop on Hybrid Metaheuristics", 2019, Concepción, Chile.
- She is member of the program committee of the conference "ODS2019 - International Conference on Optimization and Decision Science - XLIX AIRO Meeting", 2019, Genova, Italy.
- She is member of the scientific committee for the 2020 TSL Conference, Washington, D.C., USA.

PUBLICATIONS

International journals

- [J1] C. Archetti, L. Bertazzi, M.G. Speranza, Reoptimizing the traveling salesman problem, *Networks* 42, 154-159, 2003.
- [J2] C. Archetti, M.G. Speranza, Vehicle routing in the 1-skip collection problem, *Journal of the Operational Research Society* 55, 717-727, 2004.
- [J3] C. Archetti, R. Mansini, M.G. Speranza, Complexity and reducibility of the skip delivery problem, *Transportation Science* 39, 182-187, 2005.
- [J4] C. Archetti, A. Hertz, M.G. Speranza, A tabu search algorithm for the split delivery vehicle routing problem, *Transportation Science* 40, 64-73, 2006.
- [J5] C. Archetti, M.W.P. Savelsbergh, M.G. Speranza, Worst-case analysis for split delivery vehicle routing problems, *Transportation Science* 40, 226-234, 2006.
- [J6] C. Archetti, L. Bertazzi, G. Laporte, M.G. Speranza, A branch-and-cut algorithm for a vendor managed inventory routing problem, *Transportation Science* 41, 382-391, 2007.
- [J7] C. Archetti, A. Hertz, M.G. Speranza, Metaheuristics for the team orienteering problem, *Journal of Heuristics* 13, 49-76, 2007.
- [J8] C. Archetti, M.W.P. Savelsbergh, M.G. Speranza, To split or not to split: that is the question, *Transportation Research E* 44, 114-123, 2008.
- [J9] C. Archetti, M.W.P. Savelsbergh, M.G. Speranza, An optimization-based heuristic for the split delivery vehicle routing problem, *Transportation Science* 42, 22-31, 2008.
- [J10] L. Ke, C. Archetti, Z. Feng, Ants can solve the team orienteering problem, *Computers and Industrial Engineering* 54, 648-665, 2008.
- [J11] C. Archetti, D. Feillet, A. Hertz, M.G. Speranza, The capacitated team orienteering and profitable tour problems, *Journal of the Operational Research Society* 60, 831-842, 2009.

- [J12] C. Archetti, M.W.P. Savelsbergh, The trip scheduling problem, *Transportation Science* 43, 417-431, 2009.
- [J13] C. Archetti, L. Bertazzi, M.G. Speranza, Reoptimizing the 0-1 knapsack problem, *Discrete Applied Mathematics* 158, 1879-1887, 2010.
- [J14] C. Archetti, D. Feillet, A. Hertz, M.G. Speranza, The undirected capacitated arc routing problem with profits, *Computers and Operations Research* 37, 1860-1869, 2010.
- [J15] C. Archetti, H. Petersen, M.G. Speranza, Exact solution approaches to the double travelling salesman problem with multiple stacks, *Networks* 56, 229-243, 2010.
- [J16] C. Archetti, L. Bertazzi, G. Paletta, M.G. Speranza, Analysis of the maximum level policy in a production-distribution system, *Computers and Operations Research* 38, 1731-1746, 2011.
- [J17] C. Archetti, N. Bianchessi, M.G. Speranza, A column generation approach for the split delivery vehicle routing problem, *Networks* 58, 241-254, 2011.
- [J18] C. Archetti, D. Feillet, M. Gendreau, M.G. Speranza, Complexity of the VRP and SDVRP, *Transportation Research C* 19, 741-750, 2011.
- [J19] C. Archetti, M. Bouchard, G. Desaulniers, Enhanced branch-and-price-and-cut for vehicle routing with split deliveries and time windows, *Transportation Science* 45, 285-298, 2011.
- [J20] C. Archetti, L. Bertazzi, A. Hertz, M.G. Speranza, A hybrid heuristic for an inventory-routing problem, *INFORMS Journal on Computing* 24, 101-116, 2012.
- [J21] C. Archetti, M.G. Speranza, Vehicle routing problems with split deliveries, *International Transactions in Operational Research* 39, 3-22, 2012.
- [J22] C. Archetti, A. Goel, M. Savelsbergh, Truck Driver Scheduling in Australia, *Computers and Operations Research* 39, 1122-1132, 2012.

- [J23] C. Archetti, J.-F. Côté, M. Gendreau., J.-Y. Potvin, M.G. Speranza, A branch-and-cut algorithm for the pickup and delivery traveling salesman problem with multiple stacks, *Networks* 60, 212-226, 2012.
- [J24] C. Archetti, G. Guastaroba, M.G. Speranza, Reoptimizing the rural postman problem, *Computers and Operations Research*, 40, 1306-1313, 2013.
- [J25] C. Archetti, N. Bianchessi, M.G. Speranza, Optimal solutions for routing problems with profits, *Discrete Applied Mathematics* 161, 547-557, 2013.
- [J26] C. Archetti, N. Bianchessi, M.G. Speranza, The capacitated team orienteering problem with incomplete service, *Optimization Letters* 7, 1405-1417, 2013.
- [J27] C. Archetti, K. Doerner, F. Tricoire, A heuristic algorithm for the free newspaper delivery problem, *European Journal of Operational Research*, 230, 245-257, 2013.
- [J28] C. Archetti, G. Guastaroba, M.G. Speranza, An ILP-refined tabu search for the directed profitable rural postman problem, *Discrete Applied Mathematics* 163, 3-16, 2014.
- [J29] C. Archetti, N. Bianchessi, A. Hertz, M.G. Speranza, The split delivery capacitated team orienteering problem, *Networks* 63, 16-33, 2014.
- [J30] C. Archetti, N. Bianchessi, A. Hertz, A branch-and-price algorithm for the robust graph coloring problem, *Discrete Applied Mathematics* 165, 49-59, 2014.
- [J31] C. Archetti, N. Bianchessi, A. Hertz, M.G. Speranza, Incomplete service and split deliveries in a routing problem with profits, *Networks* 63, 135-145, 2014.
- [J32] C. Arbib, C. Archetti, M. Servilio, M.G. Speranza, The directed profitable location rural postman problem, *European Journal of Operational Research* 236, 811-819, 2014.
- [J33] C. Archetti, L. Bertazzi, M.G. Speranza, Polynomial cases of the economic lot sizing problem with quantity discounts, *European Journal of Operational Research* 237, 519-527, 2014.

- [J34] E. Angelelli, C. Archetti, M. Vindigni, The clustered orienteering problem, *European Journal of Operational Research*, 238, 404-414, 2014.
- [J35] C. Archetti, N. Bianchessi, M.G. Speranza, Branch-and-cut algorithms for the split delivery vehicle routing problem, *European Journal of Operational Research* 238, 685-698, 2014.
- [J36] C. Archetti, N. Bianchessi, S. Irnich, M.G. Speranza, Formulations for an inventory routing problem, *International Transactions in Operational Research* 21, 353-374, 2014.
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