

# Claudia ARCHETTI

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## INTERETS DE RECHERCHE

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Sciences de la décision, Systèmes d'aide à la décision, Mathématiques, Recherche opérationnelle

## FORMATION

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| 2017 | Qualification de Professeur Titulaire en Recherche Opérationnelle du Ministère Italien de l'Education, Italian Ministry of Education, Italie |
| 2002 | PhD en Méthodes de Calcul pour les Décisions et les Prévisions Economiques et Financières, Università degli studi di Bergamo, Italie         |

## EXPERIENCE PROFESSIONNELLE

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### Positions académiques principales

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| 2021 - Présent | Professeur, ESSEC Business School, France  |
| 2019 - 2021    | Professeur Associé en Recherche Operationelle, ESSEC Business School, France               |
| 2014 - 2019    | Professeur associé en Recherche Operationelle, Università degli Studi di Brescia, Italie   |
| 2005 - 2014    | Professeur assistant en Recherche Operationelle, Università degli Studi di Brescia, Italie |

### Autres affiliations académiques

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| 2022 - 2025 | Doyen Associé en charge des Chaires et Centres d'Excellence, ESSEC Business School, France |
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## PUBLICATIONS

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### Articles

- DIABAT, A., BIANCHESSI, N. et ARCHETTI, C. (2024). On the zero-inventory-ordering policy in the inventory routing problem. *European Journal of Operational Research*, 312(3), pp. 1024-1038.
- ARCHETTI, C., CERULLI, R., CARRABS, F. et LAUREANA, F. (2024). A new formulation and a branch-and-cut algorithm for the set orienteering problem. *European Journal of Operational Research*, 314(2), pp. 446-465.
- PETROPOULOS, F., LAPORTE, G., AKTAS, E., ALUMUR, S.A., ARCHETTI, C., AYHAN, H. ... ZHAO, X. (2024). Operational Research: methods and applications. *Journal of the Operational Research Society*, 75(3), pp. 423-617.

- BISWAS, D., ALFANDARI, L. et ARCHETTI, C. (2024). A Triple Bottom Line optimization model for assignment and routing of on-demand home services. *Computers & Operations Research*, 167, pp. 106644.
- NAJY, W., ARCHETTI, C. et DIABAT, A. (2023). Collaborative Truck-and-Drone Delivery for Inventory-Routing Problems. *Transportation Research Part C: Emerging Technologies*, 146, pp. 103791.
- SANTINI, A. et ARCHETTI, C. (2023). The hazardous orienteering problem. *Networks*, 81(2), pp. 235-252.
- DELLE DONNE, D., ARCHETTI, C., ALFANDARI, L. et LJUBIC, I. (2023). Freight-on-Transit for urban last-mile deliveries: A strategic planning approach. *Transportation Research Part B: Methodological*, 169, pp. 53-81.
- DI PLACIDO, A., ARCHETTI, C., CERRONE, C. et GOLDEN, B. (2023). The generalized close enough traveling salesman problem. *European Journal of Operational Research*, 310(3), pp. 974-991.
- CERULLI, M., SERRA, D., SORGENTE, C., ARCHETTI, C. et LJUBIC, I. (2023). Mathematical programming formulations for the collapsed k-core problem. *European Journal of Operational Research*, 311(1), pp. 56-72.
- ARCHETTI, C., BRUGLIERI, M., GUASTAROBA, G. et SPERANZA, M.G. (2023). The benefit of complete trip information in free-floating carsharing systems. *EURO Journal on Transportation and Logistics*, 12, pp. 100110.
- NHO MINH, D., ARCHETTI, C. et BERTAZZI, L. (2023). The inventory routing problem with split deliveries. *Networks*, 82(4), pp. 400-413.
- ANDREA MOR, A., ARCHETTI, C., OLA JABALI, O., ALBERTO SIMONETTO, A. et M. GRAZIA SPERANZA, M.G. (2022). The Bi-objective Long-haul Transportation Problem on a Road Network. *Omega*, 106, pp. 102522.
- MANUEL TROTTA, M., ARCHETTI, C., DOMINIQUE FEILLET, D. et ALAIN QUILLOT, A. (2022). Pickup and delivery problems with autonomous vehicles on rings. *European Journal of Operational Research*, 300(1), pp. 221-236.
- ARCHETTI, C., PEIRANO, L. et SPERANZA, M.G. (2022). Optimization in Multimodal Freight Transportation Problems: A Survey. *European Journal of Operational Research*, 299(1), pp. 1-20.
- GU, W., ARCHETTI, C., CATTARUZZA, D., OGIER, M., SEMET, F. et SPERANZA, M.G. (2022). A sequential approach for a multi-commodity two-echelon distribution problem. *Computers & Industrial Engineering*, 163, pp. 107793.
- MELIH CELIK, M., ARCHETTI, C. et HALDUN SURAL, H. (2022). Inventory routing in a warehouse: The storage replenishment routing problem. *European Journal of Operational Research*, 301(3), pp. 1117-1132.
- ARCHETTI, C. et LJUBIC, I. (2022). Comparison of formulations for the Inventory Routing Problem. *European Journal of Operational Research*, 303(3), pp. 997-1008.
- HUERTA-MUÑOZ, D.L., ARCHETTI, C., FERNÁNDEZ, E. et PEREA, F. (2022). The Heterogeneous Flexible Periodic Vehicle Routing Problem: Mathematical formulations and solution algorithms. *Computers & Operations Research*, 141, pp. 105662.

- BONERA, M., MUTTI, R., BARABINO, B., GUASTAROBA, G., MOR, A., ARCHETTI, C. ... MATERNINI, G. (2022). Identifying clusters and patterns of road crash involving pedestrians and cyclists. A case study on the Province of Brescia (IT). *Transportation Research Procedia*, 60, pp. 512–519.
- DI PLACIDO, A., ARCHETTI, C. et CERRONE, C. (2022). A genetic algorithm for the close-enough traveling salesman problem with application to solar panels diagnostic reconnaissance. *Computers & Operations Research*, 145, pp. 105831.
- PARAPPATHODI, J. et ARCHETTI, C. (2022). Crowdsourced humanitarian relief vehicle routing problem. *Computers & Operations Research*, 148, pp. 105963.
- ARCHETTI, C. et BERTAZZI, L. (2021). Recent challenges in Routing and Inventory Routing: E commerce and lastmile delivery. *Networks*, 77(2), pp. 255-268.
- ARCHETTI, C., GUERRIERO, F. et MACRINA, G. (2021). The Online Vehicle Routing Problem with Occasional Drivers. *Computers & Operations Research*, 127, pp. 105144.
- ARCHETTI, C., GIANFRANCO GUASTAROBA, G., HUERTA-MUNOZ, D.L. et SPERANZA, M.G. (2021). A Kernel Search Heuristic for the Multi-Vehicle Inventory Routing Problem. *International Transactions in Operational Research*, 28(6), pp. 2984-3013.
- DIABAT, A., ARCHETTI, C. et NAJY, W. (2021). The Fixed-Partition Policy Inventory Routing Problem. *Transportation Science*, 55(2), pp. 275-552.
- ANGELELLI, E., ARCHETTI, C., FILIPPI, C. et VINDIGNI, M. (2021). A dynamic and probabilistic orienteering problem. *Computers & Operations Research*, 136, pp. 105454.
- ARCHETTI, C., SPERANZA, M.G., BOCCIA, M., SFORZA, A. et STERLE, C. (2020). A Branch-And-Cut Algorithm for the Inventory Routing Problem with Pickups and Deliveries. *European Journal of Operational Research*, 282(3), pp. 886-895.
- ARCHETTI, C., FEILLET, D., MOR, A. et SPERANZA, M.G. (2020). Dynamic traveling salesman problem with stochastic release dates. *European Journal of Operational Research*, 280(3), pp. 832-844.
- ARSLAN, O., ARCHETTI, C., JABALI, O., LAPORTE, G. et SPERANZA, M.G. (2020). Minimum Cost Network Design in Strategic Alliances. *Omega*, 96.
- ARCHETTI, C. et PEIRANO, L. (2020). Air intermodal freight transportation: the freight forwarder service problem. *Omega*, 94, pp. 102040.
- ANGELELLI, E., ARCHETTI, C. et PEIRANO, L. (2020). A Matheuristic for the Air Transportation Freight Forwarder Service Problem. *Computers & Operations Research*, 123.
- ARCHETTI, C., SPERANZA, M.G. et EMIRENA GARRAFA, E. (2020). Managing an automated clinical laboratory: Optimization challenges. *EURO Journal on Decision Processes*, 8, pp. 41-60.
- ARCHETTI, C., COELHO, L.C. et SPERANZA, M.G. (2019). An Exact Algorithm for the Inventory Routing Problem with Logistic Ratio. *Transportation Research Part E: Logistics and Transportation Review*, 131, pp. 96-107.
- LARRAIN, H., COELHO, L.C., ARCHETTI, C. et SPERANZA, M.G. (2019). Exact solution methods for the multi-period vehicle routing problem with due dates. *Computers & Operations Research*, 110, pp. 148-158.
- DARVISH, M., ARCHETTI, C., COELHO, L.C. et SPERANZA, M.G. (2019). Flexible two-echelon location routing problem. *European Journal of Operational Research*, 277(3), pp. 1124-1136.

- DARVISH, M., ARCHETTI, C. et COELHO, L.C. (2019). Trade-offs between environmental and economic performance in production and inventory-routing problems. *International Journal of Production Economics*, 217, pp. 269-280.
- ARCHETTI, C., FERNÁNDEZ, E. et HUERTA-MUÑOZ, D.L. (2018). A two-phase solution algorithm for the Flexible Periodic Vehicle Routing Problem. *Computers & Operations Research*, 99, pp. 27-37.
- ARCHETTI, C., FEILLET, D., MOR, A. et SPERANZA, M.G. (2018). An iterated local search for the Traveling Salesman Problem with release dates and completion time minimization. *Computers & Operations Research*, 98, pp. 24-37.
- ABSI, N., ARCHETTI, C., DAUZÈRE-PÉRÈS, S., FEILLET, D. et SPERANZA, M.G. (2018). Comparing sequential and integrated approaches for the production routing problem. *European Journal of Operational Research*, 269(2), pp. 633-646.
- ARCHETTI, C., SPERANZA, M.G. et WEYLAND, D. (2018). A simulation study of an on-demand transportation system. *International Transactions in Operational Research*, 25(4), pp. 1137-1161.
- ARCHETTI, C., CHRISTIANSEN, M. et GRAZIA SPERANZA, M. (2018). Inventory routing with pickups and deliveries. *European Journal of Operational Research*, 268(1), pp. 314-324.
- ARCHETTI, C., CARRABS, F. et CERULLI, R. (2018). The Set Orienteering Problem. *European Journal of Operational Research*, 267(1), pp. 264-272.
- BIANCHETTI, L., SQUAZZONI, F., CASNICI, N., BIANCHINI, D., GARRAFA, E., ARCHETTI, C. ... MARENGONI, A. (2017). Social networks and health status in the elderly: the 'ANZIANI IN-RETE' population-based study. *Aging Clinical and Experimental Research*, 29(6), pp. 1173-1179.
- ARCHETTI, C., DESAULNIERS, G. et SPERANZA, M.G. (2017). Minimizing the logistic ratio in the inventory routing problem. *EURO Journal on Transportation and Logistics*, 6(4), pp. 289-306.
- ARCHETTI, C., BOLAND, N. et SPERANZA, M.G. (2017). A Matheuristic for the Multivehicle Inventory Routing Problem. *INFORMS Journal on Computing*, 29(3), pp. 377-387.
- ARCHETTI, C., MONTANELLI, A., FINAZZI, D., CAIMI, L. et GARRAFA, E. (2017). Clinical laboratory automation: a case study. *Journal of Public Health Research*, 6(1).
- ANGELELLI, E., ARCHETTI, C., FILIPPI, C. et VINDIGNI, M. (2017). The probabilistic orienteering problem. *Computers & Operations Research*, 81, pp. 269-281.
- ARCHETTI, C., FERNÁNDEZ, E. et HUERTA-MUÑOZ, D.L. (2017). The Flexible Periodic Vehicle Routing Problem. *Computers & Operations Research*, 85, pp. 58-70.
- ARCHETTI, C., BERTAZZI, L., LAGANÀ, D. et VOCATURO, F. (2017). The Undirected Capacitated General Routing Problem with Profits. *European Journal of Operational Research*, 257(3), pp. 822-833.
- ARCHETTI, C., CAMPBELL, A.M. et SPERANZA, M.G. (2016). Multicommodity vs. Single-Commodity Routing. *Transportation Science*, 50(2), pp. 461-472.
- ARCHETTI, C., CORBERÁN, , PLANA, I., SANCHIS, J.M. et SPERANZA, M.G. (2016). A branch-and-cut algorithm for the Orienteering Arc Routing Problem. *Computers & Operations Research*, 66, pp. 95-104.
- ARCHETTI, C. et SPERANZA, M.G. (2016). The inventory routing problem: the value of integration. *International Transactions in Operational Research*, 23(3), pp. 393-407.
- ARCHETTI, C., SAVELSBERGH, M. et SPERANZA, M.G. (2016). The Vehicle Routing Problem with Occasional Drivers. *European Journal of Operational Research*, 254(2), pp. 472-480.

- ARCHETTI, C., BIANCHESSI, N., HERTZ, A., COLOMBET, A. et GAGNON, F. (2015). Directed weighted improper coloring for cellular channel allocation. *Discrete Applied Mathematics*, 182, pp. 46-60.
- ARCHETTI, C., JABALI, O. et SPERANZA, M.G. (2015). Multi-period Vehicle Routing Problem with Due dates. *Computers & Operations Research*, 61, pp. 122-134.
- ARCHETTI, C., BIANCHESSI, N. et SPERANZA, M.G. (2015). A branch-price-and-cut algorithm for the commodity constrained split delivery vehicle routing problem. *Computers & Operations Research*, 64, pp. 1-10.
- ARCHETTI, C., CORBERÁN, , PLANA, I., SANCHIS, J.M. et SPERANZA, M.G. (2015). A matheuristic for the Team Orienteering Arc Routing Problem. *European Journal of Operational Research*, 245(2), pp. 392-401.
- NAGY, G., WASSAN, N.A., SPERANZA, M.G. et ARCHETTI, C. (2015). The Vehicle Routing Problem with Divisible Deliveries and Pickups. *Transportation Science*, 49(2), pp. 271-294.
- ARCHETTI, C., FEILLET, D. et SPERANZA, M.G. (2015). Complexity of routing problems with release dates. *European Journal of Operational Research*, 247(3), pp. 797-803.
- ABSI, N., ARCHETTI, C., DAUZÈRE-PÉRÈS, S. et FEILLET, D. (2015). A Two-Phase Iterative Heuristic Approach for the Production Routing Problem. *Transportation Science*, 49(4), pp. 784-795.
- ARCHETTI, C., GUASTAROBA, G. et SPERANZA, M.G. (2014). An ILP-refined tabu search for the Directed Profitable Rural Postman Problem. *Discrete Applied Mathematics*, 163, pp. 3-16.
- ARCHETTI, C., BIANCHESSI, N., SPERANZA, M.G. et HERTZ, A. (2014). The split delivery capacitated team orienteering problem. *Global Networks*, 63(1), pp. 16-33.
- ARCHETTI, C., BIANCHESSI, N. et HERTZ, A. (2014). A branch-and-price algorithm for the robust graph coloring problem. *Discrete Applied Mathematics*, 165, pp. 49-59.
- ARCHETTI, C., BIANCHESSI, N., SPERANZA, M.G. et HERTZ, A. (2014). Incomplete service and split deliveries in a routing problem with profits. *Networks*, 63(2), pp. 135-145.
- ARBIB, C., SERVILIO, M., ARCHETTI, C. et SPERANZA, M.G. (2014). The directed profitable location Rural Postman Problem. *European Journal of Operational Research*, 236(3), pp. 811-819.
- ARCHETTI, C., BERTAZZI, L. et SPERANZA, M.G. (2014). Polynomial cases of the economic lot sizing problem with cost discounts. *European Journal of Operational Research*, 237(2), pp. 519-527.
- ANGELELLI, E., ARCHETTI, C. et VINDIGNI, M. (2014). The Clustered Orienteering Problem. *European Journal of Operational Research*, 238(2), pp. 404-414.
- ARCHETTI, C., BIANCHESSI, N. et SPERANZA, M.G. (2014). Branch-and-cut algorithms for the split delivery vehicle routing problem. *European Journal of Operational Research*, 238(3), pp. 685-698.
- ARCHETTI, C., BIANCHESSI, N., IRNICH, S. et SPERANZA, M.G. (2014). Formulations for an inventory routing problem. *International Transactions in Operational Research*, 21(3), pp. 353-374.
- ARCHETTI, C., SPERANZA, M.G., CORBERÁN, , SANCHIS, J.M. et PLANA, I. (2014). The Team Orienteering Arc Routing Problem. *Transportation Science*, 48(3), pp. 442-457.
- ARCHETTI, C. et SPERANZA, M.G. (2014). A survey on matheuristics for routing problems. *EURO Journal on Computational Optimization*, 2(4), pp. 223-246.

- ARCHETTI, C., PISINGER, D. et SPERANZA, M.G. (2014). Special issue on: "matheuristics". *EURO Journal on Computational Optimization*, 2(4), pp. 221-222.
- ARCHETTI, C., GUASTARROBA, G. et SPERANZA, M.G. (2013). Reoptimizing the rural postman problem. *Computers & Operations Research*, 40(5), pp. 1306-1313.
- ARCHETTI, C., BIANCHESSI, N. et SPERANZA, M.G. (2013). Optimal solutions for routing problems with profits. *Discrete Applied Mathematics*, 161(4-5), pp. 547-557.
- ARCHETTI, C., BIANCHESSI, N. et SPERANZA, M.G. (2013). The capacitated team orienteering problem with incomplete service. *Optimization Letters*, 7, pp. 1405-1417.
- ARCHETTI, C., DOERNER, K.F. et TRICOIRE, F. (2013). A heuristic algorithm for the free newspaper delivery problem. *European Journal of Operational Research*, 230(2), pp. 245-257.
- ARCHETTI, C., BERTAZZI, L., HERTZ, A. et SPERANZA, M.G. (2012). A Hybrid Heuristic for an Inventory Routing Problem. *INFORMS Journal on Computing*, 24(1), pp. 101-116.
- ARCHETTI, C. et SPERANZA, M.G. (2012). Vehicle routing problems with split deliveries. *International Transactions in Operational Research*, 19(1-2), pp. 3-22.
- GOEL, A., ARCHETTI, C. et SAVELSBERGH, M. (2012). Truck driver scheduling in Australia. *Computers & Operations Research*, 39(5), pp. 1122-1132.
- CÔTÉ, J.F., ARCHETTI, C., SPERANZA, M.G., GENDREAU, M. et POTVIN, J.Y. (2012). A branch-and-cut algorithm for the pickup and delivery traveling salesman problem with multiple stacks. *Networks*, 60(4), pp. 212-226.
- ARCHETTI, C., BERTAZZI, L., PALETTA, G. et SPERANZA, M.G. (2011). Analysis of the maximum level policy in a production-distribution system. *Computers & Operations Research*, 38(12), pp. 1731-1746.
- ARCHETTI, C., BIANCHESSI, N. et SPERANZA, M.G. (2011). A column generation approach for the split delivery vehicle routing problem. *Networks*, 58(4), pp. 241-254.
- ARCHETTI, C., FEILLET, D., GENDREAU, M. et SPERANZA, M.G. (2011). Complexity of the VRP and SDVRP. *Transportation Research Part C: Emerging Technologies*, 19(5), pp. 741-750.
- ARCHETTI, C., BOUCHARD, M. et DESAULNIERS, G. (2011). Enhanced Branch and Price and Cut for Vehicle Routing with Split Deliveries and Time Windows. *Transportation Science*, 45(3), pp. 285-298.
- ARCHETTI, C., BERTAZZI, L. et SPERANZA, M.G. (2010). Reoptimizing the 0–1 knapsack problem. *Discrete Applied Mathematics*, 158(17), pp. 1879-1887.
- ARCHETTI, C., FEILLET, D., HERTZ, A. et SPERANZA, M.G. (2010). The undirected capacitated arc routing problem with profits. *Computers & Operations Research*, 37(11), pp. 1860-1869.
- PETERSEN, H.L., ARCHETTI, C. et SPERANZA, M.G. (2010). Exact solutions to the double travelling salesman problem with multiple stacks. *Networks*, 56(4), pp. 229-243.
- ARCHETTI, C., FEILLET, D., HERTZ, A. et SPERANZA, M.G. (2009). The capacitated team orienteering and profitable tour problems. *Journal of the Operational Research Society*, 60(6), pp. 831-842.
- ARCHETTI, C. et SAVELSBERGH, M.W.P. (2009). The Trip Scheduling Problem. *Transportation Science*, 43(4), pp. 417-431.

ARCHETTI, C., SAVELSBERGH, M.W.P. et SPERANZA, M.G. (2008). To split or not to split: that is the question. *Transportation Research Part E: Logistics and Transportation Review*, 44(1), pp. 114-123.

ARCHETTI, C., SPERANZA, M.G. et SAVELSBERGH, M.W.P. (2008). An Optimization-Based Heuristic for the Split Delivery Vehicle Routing Problem. *Transportation Science*, 42(1), pp. 22-31.

KE, L., ARCHETTI, C. et FENG, Z. (2008). Ants can solve the team orienteering problem. *Computers & Industrial Engineering*, 54(3), pp. 648-665.

ARCHETTI, C., BERTAZZI, L., LAPORTE, G. et SPERANZA, M.G. (2007). A Branch-and-Cut Algorithm for a Vendor-Managed Inventory-Routing Problem. *Transportation Science*, 41(3), pp. 382-391.

ARCHETTI, C., HERTZ, A. et SPERANZA, M.G. (2007). Metaheuristics for the team orienteering problem. *Journal of Heuristics*, 13(1), pp. 49-76.

ARCHETTI, C., SPERANZA, M.G. et HERTZ, A. (2006). A Tabu Search Algorithm for the Split Delivery Vehicle Routing Problem. *Transportation Science*, 40(1), pp. 64-73.

ARCHETTI, C., SAVELSBERGH, M.W.P. et SPERANZA, M.G. (2006). Worst-Case Analysis for Split Delivery Vehicle Routing Problems. *Transportation Science*, 40(2), pp. 226-234.

ARCHETTI, C., MANSINI, R. et SPERANZA, M.G. (2005). Complexity and Reducibility of the Skip Delivery Problem. *Transportation Science*, 39(2), pp. 182-187.

ARCHETTI, C. et SPERANZA, M.G. (2004). Vehicle routing in the 1-skip collection problem. *Journal of the Operational Research Society*, 55(7), pp. 717-727.

ARCHETTI, C., BERTAZZI, L. et SPERANZA, M.G. (2003). Reoptimizing the traveling salesman problem. *Networks*, 42(3), pp. 154-159.

### Chapitres d'ouvrage

ARCHETTI, C. et SPERANZA, M.G. (2015). Arc routing problems with profits. Dans: Ángel Corberán, Gilbert Laporte eds. *Arc Routing: Problems, Methods, and Applications*. 1st ed. Philadelphia: SIAM, pp. 281-300.

ARCHETTI, C., SPERANZA, M.G. et VIGO, D. (2014). Vehicle routing problems with profits. Dans: Paolo Toth, Daniele Vigo eds. *Vehicle Routing: Problems, Methods, and Applications*. 2nd ed. Philadelphia: SIAM, pp. 273-298.

ARCHETTI, C. et M. GRAZIA SPERANZA, M.G. (2008). The split delivery vehicle routing problem: a survey. Dans: Golden B., Raghavan S., Wasil E. eds. *The Vehicle Routing Problem: Latest Advances and New Challenges*. 1st ed. Boston: Springer, pp. 103-122.

ARCHETTI, C. et M. GRAZIA SPERANZA, M.G. (2005). Collection of waste with single load trucks: a real case. Dans: Fleischmann B., Klose A. eds. *Distribution Logistics, Lecture Notes in Economics and Mathematical Systems*. 1st ed. Berlin: Springer, pp. 105-119.

### Conférences

DELLE DONNE, D., SANTINI, A. et ARCHETTI, C. (2024). Integrating public transport in sustainable last-mile delivery: Column Generation approaches. Dans: 2024 INFORMS/ALIO/ASOCIO International Conference. Medellín.

ARCHETTI, C., CERULLI, M., FERNÁNDEZ, E. et LJUBIC, I. (2023). A bilevel pricing and routing problem. Dans: 24ème Congrès Annuel de la Société Française de Recherche Opérationnelle et d'Aide à la Décision (ROADEF 2023). Rennes.

ARCHETTI, C., CATTARUZZA, D., PETRIS, M., OGIER, M. et SEMET, F. (2023). A Branch-Price-and-Cut algorithm for the Multi-Commodity two-echelon Distribution Problem. Dans: 2023 SyncroTrans. Lille.

CERULLI, M., DOMENICO, S., SORGENTE, C., ARCHETTI, C. et LJUBIC, I. (2023). Mathematical Programming Formulations for the Collapsed k-Core Problem. Dans: 2023 Mathematics & Applications, Winter Meeting. Lisbon.

DELLE DONNE, D., SANTINI, A. et ARCHETTI, C. (2022). Extended formulations and column generation for the Freight on Transport problem. Dans: European Conference on Operational Research (EURO). Espoo.

ARCHETTI, C., DELLE DONNE, D. et SANTINI, A. (2022). An extended IP formulation for the Freight on Transport problem. Dans: Spanish Conference on Statistics and Operations Research (SEIO). Granada.

DELLE DONNE, D., ALFANDARI, L., ARCHETTI, C. et LJUBIC, I. (2022). Freight-on-Transit for urban last-mile deliveries: A Strategic Planning Approach. Dans: International Workshop on Freight Transportation and Logistics (ODYSSEUS). Tanger.

DELLE DONNE, D., ARCHETTI, C. et SANTINI, A. (2022). An extended IP formulation for the Freight on Transport problem. Dans: Joint ALIO/EURO International Conference on Applied Combinatorial Optimization. Viña del Mar.

ARCHETTI, C., DELLE DONNE, D. et SANTINI, A. (2022). An extended IP formulation for the Freight on Transport problem. Dans: Triennial Symposium on Transportation Analysis (TRISTAN). Mauritius.

DELLE DONNE, D., ALFANDARI, L., ARCHETTI, C. et LJUBIC, I. (2022). Freight-on-Transit for urban last-mile deliveries: A Strategic Planning Approach. Dans: Spanish Conference on Statistics and Operations Research (SEIO). Granada.

ARCHETTI, C., ALFANDARI, L. et ALFANDARI, L. (2022). Capacity Design and Resource Allocation in Online Food Delivery Platforms. Dans: International Workshop on Freight Transportation and Logistics (Odysseus 2022). Tanger.

LI, Y., ARCHETTI, C. et LJUBIC, I. (2022). Reinforcement Learning Approaches for the Orienteering Problem with Stochastic and Dynamic Release Dates. Dans: 2022 Italian Operations Research Society (AIRO) (2022 ODS). Florence.

ARCHETTI, C. et LJUBIC, I. (2021). Aggregated Formulations for the Inventory Routing Problem. Dans: 2021 Optimization in Artificial Intelligence and Data Sciences (ODS). Rome.

DELLE DONNE, D., ALFANDARI, L., ARCHETTI, C. et LJUBIC, I. (2021). Freight on Public Transport: Strategical decision making with mixed integer programming. Dans: European Conference on Operational Research (EURO). Athens.

ARCHETTI, C. (2020). Routing problems in last-mile delivery services. Dans: 4th AIROYoung Workshop: New Advances in Optimization, Machine Learning and Data Science. Bolzano.

ARCHETTI, C. (2019). Emerging problems and challenges in routing. Dans: SPOC 5. Paris.

ARCHETTI, C. (2019). Vehicle routing problems and recent business trends. Dans: 33rd Annual Conference of the Belgian Operational Research Society (ORBEL 33). Hasselt.

ARCHETTI, C. (2019). A kernel search heuristic for the multi-vehicle inventory routing problem. Dans: 32nd Conference of the European Chapter on Combinatorial Optimization (ECCO XXXII). St. Julian's.



ARCHETTI, C. (2019). A kernel search heuristic for the multi-vehicle inventory. Dans: ODS XXXII. Genova.

### Invité dans une conférence académique

ARCHETTI, C. (2022). How to build a successful research work in 2021: Focus on routing and logistics. Dans: EURO 2022, 32nd European Conference on Operational Research.

ARCHETTI, C. et LJUBIC, I. (2022). Comparison of Formulations for the Inventory Routing Problem. Dans: 3rd Workshop on Combinatorial Optimization. Online.

ARCHETTI, C. (2021). The fixed-partition policy inventory routing problem. Dans: ROADEF 2021.

ARCHETTI, C. (2021). The dynamic traveling salesman problem with release dates. Dans: Workshop 'New trends in sustainable last-mile delivery'.

ARCHETTI, C. (2021). Formulations and exact solution approaches for the inventory routing problem. Dans: International Conference on Operations Research 2021.

ARCHETTI, C. (2021). The bi-objective long-haul transportation problem on a road network. Dans: 27th International Conference on Principles and Practice of Constraint Programming.

### Préfaces de revue

ARCHETTI, C., CORDEAU, J.F. et DESAULNIERS, G. (2020). Introduction to the special issue on combining optimization and machine learning: Application in vehicle routing, network design and crew scheduling. *EURO Journal on Transportation and Logistics*, 9(4), pp. 100024.

ARCHETTI, C., BERTAZZI, L., MILANIČ, M., SCHINDL, D. et VARONE, S. (2018). Preface: Special Issue on the Ninth International Colloquium on Graphs and Optimization (GO IX), 2014. *Discrete Applied Mathematics*, 234, pp. 1-2.

### Documents de travail

DELLE DONNE, D., ALFANDARI, L., ARCHETTI, C. et LJUBIC, I. (2021). *Freight-on-Transit for urban last-mile deliveries: A Strategic Planning Approach*. 2104, ESSEC Business School.

### Presse

DELLE DONNE, D., ARCHETTI, C., LJUBIC, I. et ALFANDARI, L. (2023). When public transport delivers. *ESSEC Knowledge*.

ARCHETTI, C. (2021). The new logistics challenge: E-commerce and last-mile delivery. *ESSEC Knowledge*.

ALFANDARI, L., ARCHETTI, C. et LJUBIC, I. (2021). Sustainable city logistics. *ESSEC Knowledge*.

## AUTRES ACTIVITES DE RECHERCHE

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### Direction d'une revue

Depuis 2023 Networks

### Co-direction d'une revue

2020 - 2022 Omega

2020 - 2022 TOP: An Official Journal of the Spanish Society of Statistics and Operations Research

Depuis 2018 Transportation Science

2016 - 2018 Computers & Operations Research

2010 - 2022 Networks

### Membre d'un comité de lecture

Depuis 2018 European Journal of Operational Research

### Affiliations

Depuis 2018 VIP3 de EURO, Association of European Operational Research Societies, en charge des publications et de la communication

### Supervision de thèses / HDR

2023 M. BEN AHMED, Membre de jury

2023 S. ATAÇ, Membre de jury

2023 A. HASSANZADEH (ESSEC Business School), Président de jury

2023 D. BISWAS (ESSEC Business School), Membre de jury

2022 U. BREUNIG (Université de Vienne), Membre de jury

2021 D. DUMEZ, Membre de jury

2021 M. A. VAN ZON, Membre de jury

2021 F. TORRES, Membre de jury

2020 L. PEIRANO (Università degli studi di Bergamo), Directeur de thèse

2020 N. GASTALDON (University of Padova), Membre de jury

2020 F. LAUREANA (University of Salerno), Rapporteur

2020 A. MASONE, Membre de jury

2020 G. MARQUES, Membre de jury

2020 E. ORM HELLSTEN, Membre de jury

2019 I. BEN MOHAMED (Université de bordeaux), Membre de jury

2019 P. MATL (Université de Vienne), Membre de jury

2019 A. BALLER (University of Amsterdam), Membre de jury

2019 Y. YUAN (École Centrale Lille), Membre de jury

2019 K. FARIAS DE ARAUJO (Université Grenoble Alpes), Membre de jury

2018 D. HUERTA-MUNOZ (Universitat Politècnica de Catalunya), Co-directeur de thèse

2017 H. BEN TICHA (École des Mines de Saint-Etienne), Membre de jury

2016 C. TILK (University of Mainz), Membre de jury

- 2016 B. SANTOS HERNANDEZ (University of La Laguna), Membre de jury
- 2016 M. DARVISH (Université Laval), Membre de jury
- 2015 A. HEMMATI (Norwegian University Of Science and Technology), Membre de jury
- 2013 A. PFEFFER (Tel Aviv University), Rapporteur
- 2012 M. STALHANE (Norwegian University Of Science and Technology), Membre de jury
- 2011 M. TRESOLDI (Universita degli studi di Milano), Rapporteur
- 202 A. MASONE (Università di Napoli Federico II), Rapporteur
- N. MAMMADOV (Università degli Studi di Brescia), Directeur de thèse
- J. PARAPPATHODI (ESSEC Business School), Directeur de thèse
- M. MARTINELLO (Università degli Studi di Brescia), Directeur de thèse
- M. PETRIS (École Centrale Lille), Co-directeur de thèse
- M. TROTTA (École des Mines de Saint-Etienne), Co-directeur de thèse
- A. ANDREA DI PLACIDO (University of Molise), Co-directeur de thèse
- M. PUNAM MANDAL (ESSEC Business School), Co-directeur de thèse
- Y. LI (ESSEC Business School), Co-directeur de thèse
- Y. SU, Membre de jury

### Autres activités de recherche

Depuis 2021 Interview from Elsevier