# FrÃ©dÃ©ric Semet

## List of Publications by Year
in descending order

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|---|---|---|---|
| 66 papers | 4,942 citations | 172207 29 h-index | 123241 61 g-index |
| 72 all docs | 72 docs citations | 72 times ranked | 2901 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Meta partial benders decomposition for the logistics service network design problem. European Journal of Operational Research, 2022, 300, 473-489. | 3.5 | 3 |
| 2 | A sequential approach for a multi-commodity two-echelon distribution problem. Computers and Industrial Engineering, 2022, 163, 107793. | 3.4 | 7 |
| 3 | Mixed integer programming formulations for the generalized traveling salesman problem with time windows. 4or, 2021, 19, 571-592. | 1.0 | 4 |
| 4 | Agriculture fleet vehicle routing: AÂdecentralised and dynamic problem. AI Communications, 2021, 34, 55-71. | 0.8 | 6 |
| 5 | A time-expanded network reduction matheuristic for the logistics service network design problem. Transportation Research, Part E: Logistics and Transportation Review, 2021, 147, 102203. | 3.7 | 15 |
| 6 | A column generation based heuristic for the generalized vehicle routing problem with time windows. Transportation Research, Part E: Logistics and Transportation Review, 2021, 152, 102391. | 3.7 | 22 |
| 7 | A Heuristic Branch-Cut-and-Price Algorithm for the ROADEF/EURO Challenge on Inventory Routing. Transportation Science, 2020, 54, 313-329. | 2.6 | 5 |
| 8 | A note on the lifted Millerâ€"Tuckerâ€"Zemlin subtour elimination constraints for routing problems with time windows. Operations Research Letters, 2020, 48, 167-169. | 0.5 | 17 |
| 9 | A branch-and-cut algorithm for the generalized traveling salesman problem with time windows. European Journal of Operational Research, 2020, 286, 849-866. | 3.5 | 24 |
| 10 | A Benders decomposition-based approach for logistics service network design. European Journal of Operational Research, 2020, 286, 523-537. | 3.5 | 22 |
| 11 | Integrated Shift Scheduling and Load Assignment Optimization for Attended Home Delivery. Transportation Science, 2019, 53, 1150-1174. | 2.6 | 9 |
| 12 | Adaptive large neighborhood search for the commodity constrained split delivery VRP. Computers and Operations Research, 2019, 112, 104761. | 2.4 | 36 |
| 13 | A three-phase matheuristic for the Packaging and Shipping Problem. Applied Mathematical Modelling, 2018, 64, 713-732. | 2.2 | 1 |
| 14 | Comparison of formulations for the two-level uncapacitated facility location problem with single assignment constraints. Computers and Operations Research, 2017, 86, 86-93. | 2.4 | 10 |
| 15 | A unified matheuristic for solving multi-constrained traveling salesman problems with profits. EURO Journal on Computational Optimization, 2017, 5, 393-422. | 1.5 | 14 |
| 16 | A Lagrangian-Based Branch-and-Bound Algorithm for the Two-Level Uncapacitated Facility Location Problem with Single-Assignment Constraints. Transportation Science, 2016, 50, 1286-1299. | 2.6 | 25 |
| 17 | A branch-and-cut algorithm for the truck dock assignment problem with operational time constraints. European Journal of Operational Research, 2016, 249, 1144-1152. | 3.5 | 21 |
| 18 | A 2-stage method for a field service routing problem with stochastic travel and service times. Computers and Operations Research, 2016, 65, 64-75. | 2.4 | 33 |

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| 19 | Multilayer variable neighborhood search for twoâ€level uncapacitated facility location problems with single assignment. Networks, 2015, 66, 214-234. | 1.6 | 7 |
| 20 | A multi-compartment vehicle routing problem arising in the collection of olive oil in Tunisia. Omega, 2015, 51, 1-10. | 3.6 | 81 |
| 21 | Rich vehicle routing problems: From a taxonomy to a definition. European Journal of Operational Research, 2015, 241, 1-14. | 3.5 | 217 |
| 22 | Models for Multimodal Freight Transportation Integrating Consolidation and Transportation Phases. , 2015, , . | | 1 |
| 23 | Chapter 2: Classical Exact Algorithms for the Capacitated Vehicle Routing Problem. , 2014, , 37-57. | | 18 |
| 24 | Heuristics for Rich Profitable Tour Problems. , 2013, , . | | 3 |
| 25 | A Generic Branch-and-Cut Algorithm for Multiobjective Optimization Problems: Application to the Multilabel Traveling Salesman Problem. INFORMS Journal on Computing, 2012, 24, 554-564. | 1.0 | 31 |
| 26 | The undirected m-Capacitated Peripatetic Salesman Problem. European Journal of Operational Research, 2012, 223, 637-643. | 3.5 | 8 |
| 27 | Design factors analysis for instances of rich vehicle routing problem. , 2011, , . | | 0 |
| 28 | Risk approaches for delivering disaster relief supplies. OR Spectrum, 2011, 33, 543-569. | 2.1 | 91 |
| 29 | A branch-and-cut algorithm for the minimum labeling Hamiltonian cycle problem and two variants. Computers and Operations Research, 2011, 38, 1534-1542. | 2.4 | 16 |
| 30 | A tabu search with an oscillation strategy for the discriminant analysis problem. Computers and Operations Research, 2010, 37, 1688-1696. | 2.4 | 1 |
| 31 | Heuristiques pour le ProblÃ¨me du Vendeurm-PÃ©ripatÃ©tique. RAIRO - Operations Research, 2009, 43, 13-26. | 1.0 | 1 |
| 32 | Formulations and relaxations for a multi-echelon capacitated locationâ€"distribution problem. Computers and Operations Research, 2009, 36, 1335-1355. | 2.4 | 51 |
| 33 | An evolutionary algorithm for the vehicle routing problem with route balancing. European Journal of Operational Research, 2009, 195, 761-769. | 3.5 | 107 |
| 34 | Application of the Double Standard Model for Ambulance Location. Lecture Notes in Economics and Mathematical Systems, 2009, , 235-249. | 0.3 | 29 |
| 35 | Multi-objective vehicle routing problems. European Journal of Operational Research, 2008, 189, 293-309. | 3.5 | 382 |
| 36 | The Undirected *m*-Peripatetic Salesman Problem: Polyhedral Results and New Algorithms. Operations Research, 2007, 55, 949-965. | 1.2 | 13 |

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| 37 | Target aiming Pareto search and its application to the vehicle routing problem with route balancing. Journal of Heuristics, 2007, 13, 455-469. | 1.1 | 52 |
| 38 | The bi-objective covering tour problem. Computers and Operations Research, 2007, 34, 1929-1942. | 2.4 | 65 |
| 39 | Enhancements of NSGA II and Its Application to the Vehicle Routing Problem with Route Balancing. Lecture Notes in Computer Science, 2006, , 131-142. | 1.0 | 36 |
| 40 | The maximal expected coverage relocation problem for emergency vehicles. Journal of the Operational Research Society, 2006, 57, 22-28. | 2.1 | 162 |
| 41 | The Black and White Traveling Salesman Problem. Operations Research, 2006, 54, 366-378. | 1.2 | 22 |
| 42 | Branch-and-cut algorithms for the undirected m-Peripatetic Salesman Problem. European Journal of Operational Research, 2005, 162, 700-712. | 3.5 | 19 |
| 43 | Heuristics and lower bounds for the bin packing problem with conflicts. Computers and Operations Research, 2004, 31, 347-358. | 2.4 | 94 |
| 44 | A bilevel programming approach to the travelling salesman problem. Operations Research Letters, 2004, 32, 240-248. | 0.5 | 28 |
| 45 | Exact algorithms for the job sequencing and tool switching problem. IIE Transactions, 2004, 36, 37-45. | 2.1 | 60 |
| 46 | A MULTI-OBJECTIVE EVOLUTIONARY ALGORITHM FOR THE COVERING TOUR PROBLEM. Advances in Natural Computation, 2004, , 247-267. | 0.1 | 3 |
| 47 | Heuristics for the black and white traveling salesman problem. Computers and Operations Research, 2003, 30, 75-85. | 2.4 | 17 |
| 48 | Ambulance location and relocation models. European Journal of Operational Research, 2003, 147, 451-463. | 3.5 | 601 |
| 49 | Parallel and Hybrid Models for Multi-objective Optimization: Application to the Vehicle Routing Problem. Lecture Notes in Computer Science, 2002, , 271-280. | 1.0 | 52 |
| 50 | Fast heuristics for large scale covering-location problems. Computers and Operations Research, 2002, 29, 651-665. | 2.4 | 24 |
| 51 | A dynamic model and parallel tabu search heuristic for real-time ambulance relocation. Parallel Computing, 2001, 27, 1641-1653. | 1.3 | 360 |
| 52 | Heuristics for the multi-vehicle covering tour problem. Computers and Operations Research, 2000, 27, 29-42. | 2.4 | 100 |
| 53 | Classical and modern heuristics for the vehicle routing problem. International Transactions in Operational Research, 2000, 7, 285-300. | 1.8 | 520 |
| 54 | An optimality cut for mixed integer linear programs. European Journal of Operational Research, 1999, 119, 671-677. | 3.5 | 0 |

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| 55 | Computational Evaluation Of A Transformation Procedure For The Symmetric Generalized Traveling Salesman Problem. Infor, 1999, 37, 114-120. | 0.5 | 29 |
| 56 | A Covering Tour Model for Planning Mobile Health Care Facilities in SuhumDistrict, Ghama. Journal of Regional Science, 1998, 38, 621-638. | 2.1 | 81 |
| 57 | A branch-and-cut algorithm for the undirected selective traveling salesman problem. Networks, 1998, 32, 263-273. | 1.6 | 132 |
| 58 | A tabu search heuristic for the undirected selective travelling salesman problem. European Journal of Operational Research, 1998, 106, 539-545. | 3.5 | 174 |
| 59 | A generalized linear programming model for nurse scheduling. European Journal of Operational Research, 1998, 107, 1-18. | 3.5 | 188 |
| 60 | A tiling and routing heuristic for the screening of cytological samples. Journal of the Operational Research Society, 1998, 49, 1233-1238. | 2.1 | 10 |
| 61 | The Covering Tour Problem. Operations Research, 1997, 45, 568-576. | 1.2 | 188 |
| 62 | Optimal sequencing of skip collections and deliveries. Journal of the Operational Research Society, 1997, 48, 57-64. | 2.1 | 46 |
| 63 | Solving an ambulance location model by tabu search. Location Science, 1997, 5, 75-88. | 0.2 | 295 |
| 64 | Estimation and determination of shortest path length in a road network with obstacles. European Journal of Operational Research, 1995, 83, 105-116. | 3.5 | 10 |
| 65 | A two-phase algorithm for the partial accessibility constrained vehicle routing problem. Annals of Operations Research, 1995, 61, 45-65. | 2.6 | 59 |
| 66 | Solving real-life vehicle routing problems efficiently using tabu search. Annals of Operations Research, 1993, 41, 469-488. | 2.6 | 181 |