

REFERENCES

- [1] Randa Almadhoun, Tarek Taha, Lakmal Seneviratne, Jorge Dias, and Guowei Cai. 2016. A survey on inspecting structures using robotic systems. *International Journal of Advanced Robotic Systems* 13, 6 (12 2016), 172988141666366. <https://doi.org/10.1177/1729881416663664>
- [2] Gustavo S. C. Avellar, Guilherme A. S. Pereira, Luciano C. A. Pimenta, Paulo Iscold, Gustavo S. C. Avellar, Guilherme A. S. Pereira, Luciano C. A. Pimenta, and Paulo Iscold. 2015. Multi-UAV Routing for Area Coverage and Remote Sensing with Minimum Time. *Sensors* 2015, Vol. 15, Pages 27783-27803 15, 11 (11 2015), 27783–27803. <https://doi.org/10.3390/S151127783>
- [3] Tolga Bektas. 2006. The multiple traveling salesman problem: An overview of formulations and solution procedures. *Omega* 34, 3 (6 2006), 209–219. <https://doi.org/10.1016/j.omega.2004.10.004>
- [4] Soon-Jo Chung, Aditya Avinash Paranjape, Philip Dames, Shaojie Shen, and Vijay Kumar. 2018. A Survey on Aerial Swarm Robotics. *IEEE Transactions on Robotics* 34, 4 (8 2018), 837–855. <https://doi.org/10.1109/TRO.2018.2857475>
- [5] Félix-Antoine Fortin, Ulavalca Marc-André Gardner, Marc Parizeau, and Christian Gagné. 2012. *DEAP: Evolutionary Algorithms Made Easy*. Technical Report. 2171–2175 pages. <http://deap.gel.ulaval.ca>.
- [6] Shweta Gupte, Paul Infant Teenu Mohandas, and James M. Conrad. 2012. A survey of quadrotor Unmanned Aerial Vehicles. In *2012 Proceedings of IEEE Southeastcon*. IEEE, 1–6. <https://doi.org/10.1109/SECon.2012.6196930>
- [7] Heiko Hamann. 2018. *Swarm Robotics: A Formal Approach*. Springer International Publishing, Cham. <https://doi.org/10.1007/978-3-319-74528-2>
- [8] Athanasios Ch. Kapoutsis, Savvas A. Chatzichristofis, and Elias B. Kosmatopoulos. 2017. DARP: Divide Areas Algorithm for Optimal Multi-Robot Coverage Path Planning. *Journal of Intelligent & Robotic Systems* 86, 3-4 (6 2017), 663–680. <https://doi.org/10.1007/s10846-016-0461-x>
- [9] Thomas Kent and Arthur Richards. 2019. Decentralised multi-demic evolutionary approach to the dynamic multi-agent travelling salesman problem. In *GECCO 2019 Companion - Proceedings of the 2019 Genetic and Evolutionary Computation Conference Companion*. Association for Computing Machinery, Inc, New York, New York, USA, 147–148. <https://doi.org/10.1145/3319619.3321993>
- [10] Mickey Li, Arthur Richards, and Mahesh Sooriyabandara. 2020. Reliability-Aware Multi-UAV Coverage Path Planning Using Integer Linear Programming. In *UKRAS20 Conference: "Robots into the real world" Proceedings*. EPSRC UK-RAS Network, 15–17. <https://doi.org/10.31256/Cy5Ej9K>
- [11] Derek Mitchell, Micah Corah, Nilanjan Chakraborty, Katia Sycara, and Nathan Michael. 2015. Multi-robot long-term persistent coverage with fuel constrained robots. In *2015 IEEE International Conference on Robotics and Automation (ICRA)*. IEEE, 1093–1099. <https://doi.org/10.1109/ICRA.2015.7139312>
- [12] Jalil Modares, Farshad Ghanei, Nicholas Mastrorarde, and Karthik Dantu. 2017. UB-ANC planner: Energy efficient coverage path planning with multiple drones. In *2017 IEEE International Conference on Robotics and Automation (ICRA)*. IEEE, 6182–6189. <https://doi.org/10.1109/ICRA.2017.7989732>
- [13] Patrick D. T. O'Connor and Andre. Kleynner. 2012. *Practical reliability engineering*. Wiley.
- [14] Ragesh K. Ramachandran, Lifeng Zhou James A. Preiss, and Gaurav S. Sukhatme. 2019. Resilient Coverage: Exploring the Local-to-Global Trade-off. (10 2019). <http://arxiv.org/abs/1910.01917>
- [15] Ioannis Rekleitis, Ai Peng New, Edward Samuel Rankin, and Howie Choset. 2008. Efficient Boustrophedon Multi-Robot Coverage: an algorithmic approach. *Annals of Mathematics and Artificial Intelligence* 52, 2-4 (4 2008), 109–142. <https://doi.org/10.1007/s10472-009-9120-2>
- [16] Junnan Song and Shalabh Gupta. 2020. CARE: Cooperative Autonomy for Resilience and Efficiency of robot teams for complete coverage of unknown environments under robot failures. *Autonomous Robots* 44, 3-4 (3 2020), 647–671. <https://doi.org/10.1007/s10514-019-09870-3>
- [17] K. C. Tan, Y. H. Chew, and L. H. Lee. 2006. A hybrid multiobjective evolutionary algorithm for solving vehicle routing problem with time windows. *Computational Optimization and Applications* 34, 1 (5 2006), 115–151. <https://doi.org/10.1007/s10589-005-3070-3>
- [18] Gerhard Weiss. 2013. *Multiagent systems, Second Edition*. MIT Press. 867 pages. <https://mitpress.mit.edu/books/multiagent-systems-second-edition>