

Enrico Saccon,

The following list of publications is current as of January 6, 2026

- [1] E. Saccon, D. De Martini, M. Saveriano, E. Lamon, L. Palopoli, and M. Roveri, “Automated Generation of MDPs Using Logic Programming and LLMs for Robotic Applications,” *IEEE Robotics and Automation Letters*, vol. 11, no. 2, pp. 1770–1777, 2026. doi: 10.1109/LRA.2025.3643276.
- [2] P. Pastorelli, S. Dagnino, E. Saccon, M. Frego, and L. Palopoli, “Fast shortest path polyline smoothing with G^1 continuity and bounded curvature,” *IEEE Robotics and Automation Letters*, vol. 10, no. 4, pp. 3182–3189, 2025. doi: 10.1109/LRA.2025.3540531.
- [3] E. Saccon and M. Frego, “A Machine Learning Approach for the Three-Point Dubins Problem (3PDP),” *Symmetry*, vol. 17, no. 12, 2025, ISSN: 2073-8994. doi: 10.3390/sym17122133. [Online]. Available: <https://www.mdpi.com/2073-8994/17/12/2133>.
- [4] E. Saccon, A. Tikna, D. D. Martini, E. Lamon, L. Palopoli, and M. Roveri, *A temporal planning framework for multi-agent systems via llm-aided knowledge base management*, 2025. arXiv: 2502.19135 [cs.AI]. [Online]. Available: <https://arxiv.org/abs/2502.19135>.
- [5] E. Saccon, A. Tikna, D. De Martini, E. Lamon, L. Palopoli, and M. Roveri, “When prolog meets generative models: A new approach for managing knowledge and planning in robotic applications,” in *2024 IEEE International Conference on Robotics and Automation (ICRA)*, IEEE, 2024, pp. 17065–17071.
- [6] E. Saccon, “Multi-agent open framework: Developing a holistic system to solve mapf (student abstract),” in *Proceedings of the International Symposium on Combinatorial Search*, vol. 16, 2023, pp. 198–199.
- [7] E. Saccon, L. Palopoli, and M. Roveri, “Comparing multi-agent path finding algorithms in a real industrial scenario,” in *AIxIA 2022—Advances in Artificial Intelligence: XXIst International Conference of the Italian Association for Artificial Intelligence, AIxIA 2022, Udine, Italy, November 28–December 2, 2022, Proceedings*. 2023, pp. 184–197. doi: 10.1007/978-3-031-27181-6_13.
- [8] E. Saccon, P. Bevilacqua, D. Fontanelli, M. Frego, L. Palopoli, and R. Passerone, “Robot Motion Planning: can GPUs be a Game Changer?” *2021 IEEE 45th Annual Computers, Software, and Applications Conference (COMPSAC)*, pp. 21–30, 2021. doi: 10.1109/COMPSAC51774.2021.00015.
- [9] M. Frego, P. Bevilacqua, E. Saccon, L. Palopoli, and D. Fontanelli, “An Iterative Dynamic Programming Approach to the Multipoint Markov-Dubins Problem,” *IEEE Robotics and Automation Letters*, vol. 5, no. 2, pp. 2483–2490, 2020. doi: 10.1109/LRA.2020.2972787.