BIBLIOGRAPHY

- M. S. M. Hajer Omrane and M. Masmoudi, "Fuzzy logic based control for autonomous mobile robot navigation," 08 2016.
- [2] X. Liang, H. Wang, and Y.-H. Liu, "Real time image processing based obstacle avoidance and navigation system for autonomous wheelchair application," pp. 380–385, 12 2017.
- [3] M. J. Gregory Dudek, Computational Principles of Mobile Robotics. Cambridge University Press40 W. 20 St. New York, NYUnited States, 2010.
- [4] H. Mulyawan, "Identifikasi dan tracking objek berbasis image processing secara real time," *EEPIS Final Project*, 2011.
- [5] V. S. Subramanyam, "Basics of bounding boxes," 2021.
- [6] J. F. Peters, Foundations of Computer Vision, Computational Geometry, Visual Image Structures and Object Shape Detection. Springer International Publishing, 2017.
- [7] J. C. Andersen, "Mobile robot navigation," 09 2007.
- [8] E. M. Jyh-Shing Roger Jang, Chuen-Tsai Sun, Neuro Fuzzy and Soft Computing A Computional Approach to Learning and Machine Intelligence. Prentice Hall, Inc, 1997.
- [9] S. G. Tzafestas, Introduction to Mobile Robot Control. Elsevier, 2014.
- [10] D. A. Pandey and D. Parhi, "Multiple mobile robots navigation and obstacle avoidance using minimum rule based anfis network controller in the cluttered environment," SOJ Robotics and Automation, vol. 1, 02 2016.
- [11] H. Wang, J. Duan, M. Wang, J. Zhao, and Z. Dong, "Research on robot path planning based on fuzzy neural network algorithm," in 2018 IEEE 3rd Advanced Information Technology, Electronic and Automation Control Conference (IAEAC), pp. 1800–1803, 2018.
- [12] D. A. Pandey and D. Parhi, "Optimum path planning of mobile robot in unknown static and dynamic environments using fuzzy-wind driven optimization algorithm," *Defence Technology*, vol. 13, 01 2017.
- [13] S. B. Germi, M. A. Khosravi, and R. FesharakiFard, "Adaptive ga-based potential field algorithm for collision-free path planning of mobile robots in dynamic environments," in 2018 6th RSI International Conference on Robotics and Mechatronics (IcRoM), pp. 28–33, Oct 2018.

- [14] X. Zhang, Y. Zhao, N. Deng, and K. Guo, "Dynamic path planning algorithm for a mobile robot based on visible space and an improved genetic algorithm," *International Journal of Advanced Robotic Systems*, vol. 13, p. 1, 05 2016.
- [15] "Matrix-binary codes based genetic algorithm for path planning of mobile robot," *Computers Electrical Engineering*, vol. 67, pp. 708 – 728, 2018.
- [16] X. Zhang, Y. Zhao, N. Deng, and K. Guo, "Dynamic path planning algorithm for a mobile robot based on visible space and an improved genetic algorithm," *International Journal of Advanced Robotic Systems*, vol. 13, p. 1, 05 2016.
- [17] J. Zhang, Y. Zhang, and Y. Zhou, "Path planning of mobile robot based on hybrid multi-objective bare bones particle swarm optimization with differential evolution," *IEEE Access*, vol. 6, pp. 44542–44555, 2018.
- [18] S. D. Vaka Murali Mohan, R. Kanaka Durga and K. S. Raju, "Image processing representation using binary image; grayscale, color image, and histogram," pp. 380– 385, 8 2020.
- [19] C. W. de Silva, Sensor Systems Fundamentals and Applications. Taylor Francis, CRC Press, 2017.
- [20] C. W. de Silva, Sensor Systems Fundamentals and Applications. Taylor Francis, CRC Press, 2017.
- [21] R. E. W. Rafael C. Gonzalez, Digital Image Processing Second Edition. Prentice-Hall, Inc, 2002.