## **DAFTAR PUSTAKA**

- [1] M. Montemerlo, FastSLAM: A Factored Solution to the Simultaneous Localization and Mapping Problem With Unknown Data Association, Pittsburgh: Carnegie Mellon University, 2003.
- [2] C. Thorpe and H. Durrant-Whyte, "Field robots," in *Proceedings of the 10th International Symposium of Robotics Research (ISRR'01)*, Lorne, 2001.
- [3] F. Dellaert, D. Fox, W. Burgard and S. Thrun, "Monte Carlo Localization for Mobile Robots," in *Proceedings of the IEEE International Conference on Robotics and Automation*, 1999.
- [4] H. P. Moravec, "Sensor Fusion in Certainty Grids for Mobile Robots," in *AI Magazine*, 1988, p. 61–74.
- [5] S. Thrun, "Robotic Mapping: A Survey," *Exploring Artificial Intelligence in the New Millenium*, 2002.
- [6] K. Murphy, "Bayesian Map Learning In Dynamic Environments," in *Proceeding of Neural Information Processing Systems*, 1999.
- [7] M. Montemerlo, S. Thrun, D. Koller and B. Wegbreit, "FastSLAM 2.0: An Improved Particle Filtering Algorithm for Simultaneous Localization and Mapping that Provably Converges," in *Proceedings of Association For The Advancement Of Artificial Intelligence*, 2003.
- [8] A. Martinez and E. Fernández, Learning ROS for Robotics, Birmingham: Packt Publishing Ltd., 2013.
- [9] J. J. Leonard and H. F. Durrant-Whyte, "Mobile Robot Localization by Tracking Geometric Beacons," *IEEE TRANSACTIONS ON ROBOTICS AND AUTOMATION*, vol. 7, no. 3, pp. 376-382, 1991.
- [10] R. Smith, M. Self and P. Cheeseman, "Estimating Uncertain Spatial Relationships in Robotics," in *Autonomous Robot Vehicles*, New York, Springer New York, 1990, pp. 167-193.
- [11] S. Riisgaard and M. R. Blas, SLAM for Dummies: A Tutorial Approach to Simultaneous Localization and Mapping.

- [12] M. Padmanabha, "Wall following algorithm," 2012. [Online]. Available: http://www.mlees-robotronics.in/home/robotics/wall-following-algorithm. [Accessed 1 9 2016].
- [13] Open Source Robotics Foundation, Inc., "ROS," Open Source Robotics Foundation, Inc., [Online]. Available: www.ros.org.
- [14] Adept Mobilerobots, "Pioneer P3-DX," Adept Mobilerobots, [Online].

  Available:

  http://www.mobilerobots.com/ResearchRobots/PioneerP3DX.aspx.
- [15] Open Source Robotics Foundation, "Gazebo," Open Source Robotics Foundation, [Online]. Available: http://gazebosim.org/.
- [16] Open Source Robotics Foundation, "rviz/DisplayTypes," Open Source Robotics Foundation, [Online]. Available: http://wiki.ros.org/rviz/DisplayTypes. [Accessed 1 September 2016].
- [17] The Eclipse Foundation, "Eclipse," The Eclipse Foundation, [Online]. Available: https://eclipse.org/.
- [18] JetBrains s.r.o., "PyCharm," JetBrains s.r.o., [Online]. Available: https://www.jetbrains.com/pycharm/.
- [19] B. Stroustrup, A Tour of C++, Pearson Education Ltd, 2013.
- [20] Python Software Foundation, "What is Python? Executive Summary," Python Software Foundation, [Online]. Available: https://www.python.org/doc/essays/blurb/.
- [21] D. Duckworth, A. Lalejini and B. Odom, "FastSLAM," [Online]. Available: https://github.com/dexterduck/fastslam.