

## REFERENCES

- [1] C. Soria, E. Freire and R. Carelli, "Stable AVG Corridor Navigation Based on Data and Control Signal Fusion," Instituto de Automatica, Universidad Nacional de San Juan Av. San Martin, Argentina, 2006.
- [2] J. Lee, C. Hyun and M. Park, "A Vision- Based Automated Guided Vehicle System with Marker Recognition for Indoor Use," School of Electrical and Electronic Engineering, Yonsei University, 2013.
- [3] J. L. Blanco, "Occupancy grids," MRPT, 11 October 2013. [Online]. Available: [http://www.mrpt.org/Occupancy\\_Grids/](http://www.mrpt.org/Occupancy_Grids/). [Accessed April 2015].
- [4] J. L. Bianco, "Path Planning with Occupancy Grid Maps," MRPT, 11 October 2013. [Online]. Available: [http://www.mrpt.org/tutorials/programming/path-motion-planning/path\\_planning\\_over\\_occupancy\\_grid\\_map/](http://www.mrpt.org/tutorials/programming/path-motion-planning/path_planning_over_occupancy_grid_map/). [Accessed April 2015].
- [5] "The Path Planning Algorithm and Simulation for Mobile Robot," *Journal of Theoretical and Applied Information Technology*, vol. 50, no. 3, pp. 601-605, 2013.
- [6] B. J.L, G. J and F.-M. J. A, "Consistent observation grouping for generating metric-topological maps that improves robot localization," *IEEE International Conference on Robotics and Automation* , pp. 811-823, 2006.
- [7] J. L. Blanco, B. Mauro and A. G. Fernandez, "TP-Space RRT: Kinematic path planning of non-holonomic any-shape vehicles," *International Journal of Advanced Robotic System*, pp. 1-9, 2014.
- [8] S. Fernando, "What is OpenCV," September 2010. [Online]. Available: <http://opencv-srf.blogspot.com/2010/09/what-is-opencv.html>. [Accessed April 2015].
- [9] OpenCV, [Online]. Available: <http://opencv.org/>. [Accessed April 2015].
- [10] "Miscellaneous Image Transformations," OpenCV, [Online]. Available: [http://docs.opencv.org/modules/imgproc/doc/miscellaneous\\_transformations.html](http://docs.opencv.org/modules/imgproc/doc/miscellaneous_transformations.html). [Accessed 2015].
- [11] "Operations with images," OpenCV, [Online]. Available: [http://docs.opencv.org/doc/user\\_guide/ug\\_mat.html](http://docs.opencv.org/doc/user_guide/ug_mat.html). [Accessed 2015].
- [12] B. R, "A Markovian Decision Process," *Journal of Mathematics and Mechanics* 6, 1957.