

Software Architectures for Robotics

Lab Session 6

SLAM in Gazebo and Python ROS nodes



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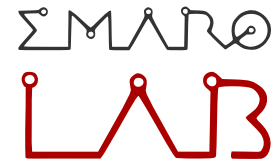


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SLAM in gazebo

TurtleBot Setup for ROS Kinetic:

<http://ros-developer.com/2017/05/09/slam-using-gmapping-with-turtlebot-robot-and-gazbo/>

Demos:

<https://www.sauravag.com/2016/10/how-to-setup-turtlebot-simulator-in-ros-with-gazebo/>

Publish-Subscribe using python nodes

Building the nodes:

<http://wiki.ros.org/ROS/Tutorials/WritingPublisherSubscriber%28python%29>

Running the nodes:

<http://wiki.ros.org/ROS/Tutorials/ExaminingPublisherSubscriber>

Service-Client using python nodes

Building the nodes:

<http://wiki.ros.org/ROS/Tutorials/WritingServiceClient%28python%29>

Running the nodes:

<http://wiki.ros.org/ROS/Tutorials/ExaminingServiceClient>