ROS: Five Years – Various Applications of ROS

WillowGaragevideo's channel

https://www.youtube.com/watch?feature=player_detailpage&v=PGaXiLZD2KQ

SIMULATORS

Introduction to ROS and MoveIt!

https://www.youtube.com/watch?feature=player_detailpage&v=eMlGV94c5WU

Rethink MoveIT Tutorial and Video

http://sdk.rethinkrobotics.com/wiki/MoveIt_Tutorial

https://www.youtube.com/watch?v=1Zdkwym42P4&feature=player_embedded

MoveIt! Pick and Place with the PR2

https://www.youtube.com/watch?v=Jk_s98U5ob8&feature=player_embedded

MoveIt

http://moveit.ros.org/

These will help us with MoveIt. Hydro version is a bit dated.

http://moveit.ros.org/documentation/concepts/

http://docs.ros.org/hydro/api/moveit_ros_visualization/html/doc/tutorial.html

URDF References

ROSCon 2012 - URDF and You
Published on May 23, 2012 David Lu
URDF and YOU

https://www.youtube.com/watch?v=g9WHxOpAUns

Tutorial: Using a URDF in Gazebo
The Universal Robotic Description Format (URDF) is an XML file format used in ROS to describe all elements of a robot. To use a URDF file in Gazebo, some additional simulation-specific tags must be added to work properly with Gazebo. This tutorial explains the necessary steps to successfully use your URDF-based robot in Gazebo, saving you from having to create a separate SDF file from scratch and duplicating description formats. Under the hood, Gazebo will then convert the URDF to SDF automatically.

http://gazebosim.org/tutorials/?tut=ros_urdf

Silent One

https://www.youtube.com/watch?feature=player_detailpage&v=UN5Dq5SQCzw

V-REF

https://www.youtube.com/watch?feature=player_detailpage&v=PHuQZDp8kt8

Visualization of ROS topic "/joint_states/positions" by rqt_plot

Yutaka Kondo   No Sound

https://www.youtube.com/watch?feature=player_detailpage&v=ALcCJhBB8IM