

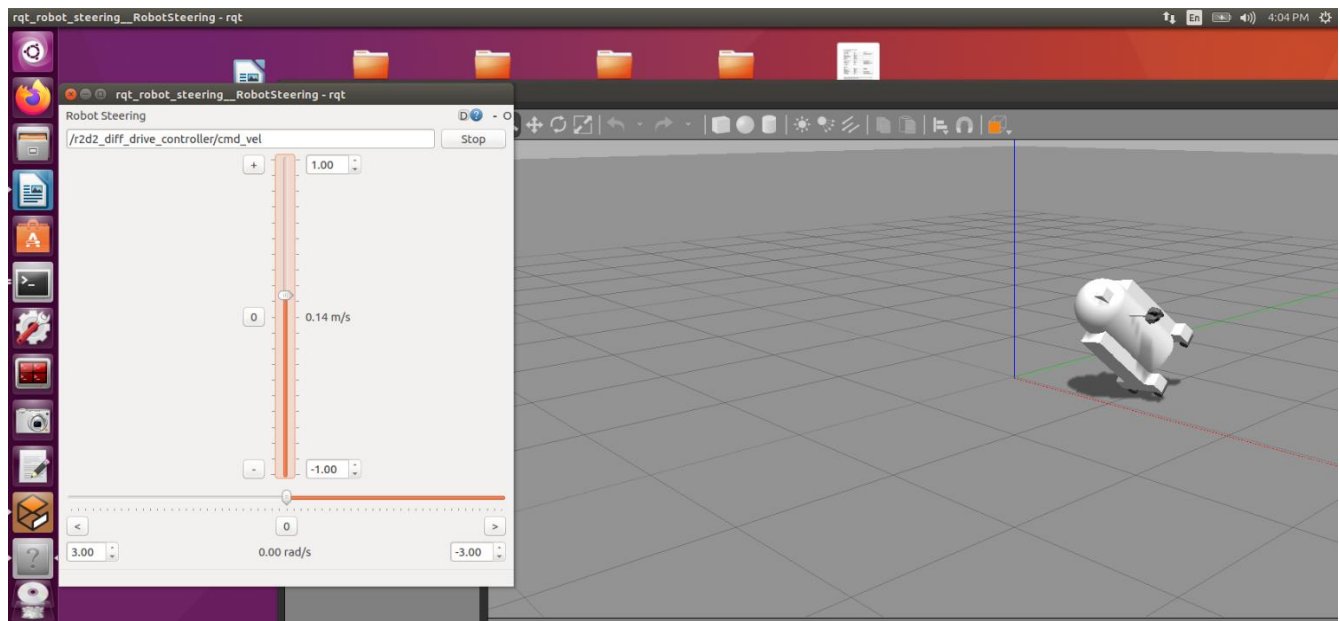
CENG 5435 4391: Robotics and ROS AGENDA October 12, 2021

WELCOME: REMIND ME TO RECORD SESSIONS and Share Screen

I Homework 4 URDF InGazebo (See Demo), David LU!!, Louise Pouble

HW4_Gazebo_urdf_sim_tutorials 10_10_2021.pdf DEMO in VBox.

See script and results in Blackboard Course Content.



HW4_2 David Lu!! And URDF

HW4_3 Louise Poubel discusses ROS1 and ROS2

2. SWRI Lecture Friday

----- **CHAPTER 3 in Textbook**

3. Turtlebot Slide Show

3a_5435_SlideShow1_TurtleBot_10_12_2021.pdf

3b_5435_SlideShow2_TURTLEBOT ODOM10_12_2021.pdf

3c_Odom_Gazebo_SlideShow

Rqt tools and TurtleBot Odometry Pg 104-110, 110-120

3. Controlling a Real Turtlebot Pages 87-98

Setup, Standalone test, Networking, SSH, Testing

4. Turtlebot3

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Previous (October 5, 2021)

Let's PLAY with Turtlebot; Turtlebot and Gazebo Pages 77-87
Turtlebot control by Python Script

III. On Website: TurtleBot 2 Additional Data!

[Chapter 3 TurtleBotGuide TurtleBot&Mobile Robots](#)
[Ch3 TurtleBot Gazebo Python Examples](#) [timed out and back TLH.py](#)
[Turtlesim Turtlebot remap](#)

[Lab2: TurtleBot Exercises ControlTurtleBot.py MoveTBtoGoalPoints.py](#)

TurtleBot stuff from Seminar on Website

Unit 2_1 [CHAPTER 2 IN TEXTBOOK](#) [CHAPTER2 COMMANDS](#)

Unit 2_2 [MOBILE ROBOTS USING ROS](#) [ADAS](#) [MOBILE ROBOTS](#)

Unit 2_3 [TURTLEBOT GUIDE](#) [TURTLEBOT REFERENCES](#) [VIDEOS](#)
[TEACH TURTLEBOT TO DELIVER BEER](#)

Unit 2_4 [TURTLEBOT CHAPTER3 TEXT](#) [Simulation](#)

Unit 2_5 [go in circleTurtlesim remap](#) [go in circleTurtlesim.py](#)
[Timed out and back TLH](#) [timed out and back TLH.py](#)
[Range ahead SensorData](#) [range ahead.py](#)
[ROS&Cpp](#)

Unit 2_6 [TurtleBot Map Navigation](#) [TurtleBot Mapping](#) [References](#)

Unit 2_7 [TurtleBot Exercises](#) [controlTurtleBot.py](#) [MoveTBtoGoalPoints.py](#)