

Principles of Robot Autonomy I

Introduction to ROS

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Attendance



Section Sign Up Today Afternoon



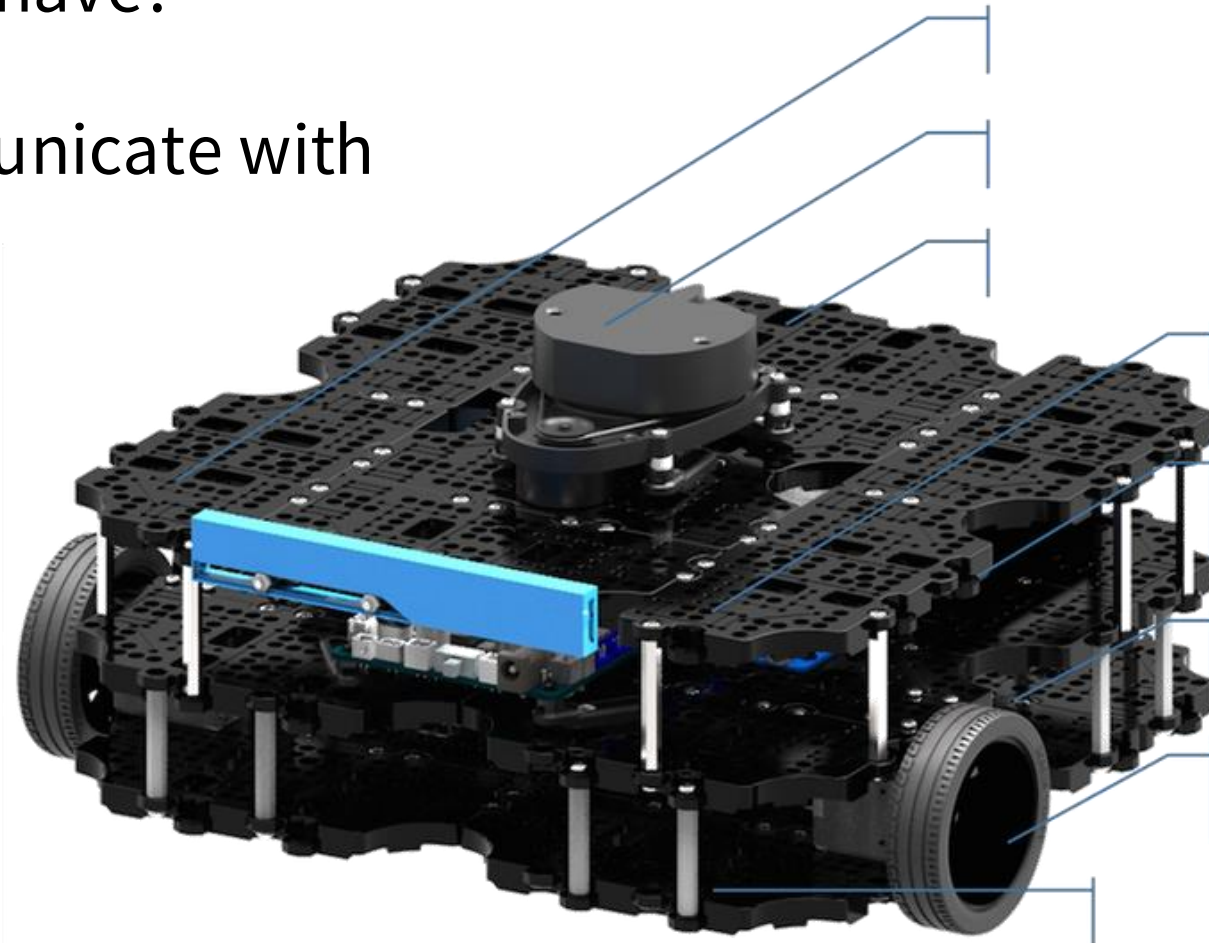
Follow along

- IF you have a laptop running a Linux distro with you:
 - <https://github.com/JakobThumm/simple-ros2-package>
- Otherwise
 - No problem!
 - You will have enough time to learn the basics of Linux and ROS in the sections.



Brain Teaser

- What components does this robot have?
- Which components need to communicate with each other?
- Remember: See, Think, Act



Learning goals

- Understand the structure of a ROS workspace
- Understand how to solve problems in ROS
 - Listing available packages, nodes, topics, and parameters
 - Manually starting nodes
 - Getting information about topics
 - Send and print messages to and from topics
- Understand communication between ROS nodes
- Internalize tab completion