What Do We want to

Bad stuff

* Meeting time is a little too late

Favorites

* Wide variety of projects

Wants

* Just want to build stuff

Focus Idea:

* Dedicated collaboration area
  + Proper working space
* Getting us in the Lab
  + Hands-on (75%)
  + Other (25%)

Requirements of mission statement

* We are not IEEE

Change Ideas

* Work meetings and separate information meetings
* More strict, long-term lab hours

Page 1: <https://robocademy.com/2020/04/13/how-to-choose-an-actuator-for-your-robot/>

Page 2: <https://robocademy.com/2020/04/13/how-to-choose-an-actuator-for-your-robot/2/>

* Notes:
* Industrial Robots- harmonic drives
* Research robots- Harmonic drives or smart digital servos

<https://www.youtube.com/watch?v=d9P5LBQqgFo>

<https://www.youtube.com/watch?v=HMSLPefUVeE>

<https://www.youtube.com/watch?v=IN8tjTk8ExI>

<https://www.youtube.com/watch?v=YfSAL5XciOc>

<https://www.youtube.com/watch?v=U0v_0ZyX-SI>

<https://www.trossenrobotics.com/pincherx-100-robot-arm.aspx>

IRROS: <https://github.com/Interbotix/interbotix_ros_core#code-structure>

ROS1 vs ROS2: <https://www.youtube.com/watch?v=yn638LmVwlw>

“Really Simple ROS Integration” (also including an NVIDIA ai board): <https://youtube.com/watch?v=ugx82hz-oMc>

Robot Actuators: <https://www.robotis.us/dynamixel/?sort=priceasc>

# Interesting subjects

**Software**

* ROS 2
* RViz
* Gizibo
* MoveIt

**Math**

* Inverse kinematics

**Code**

* Python