

# Lab 04

# Project I ROS Picking

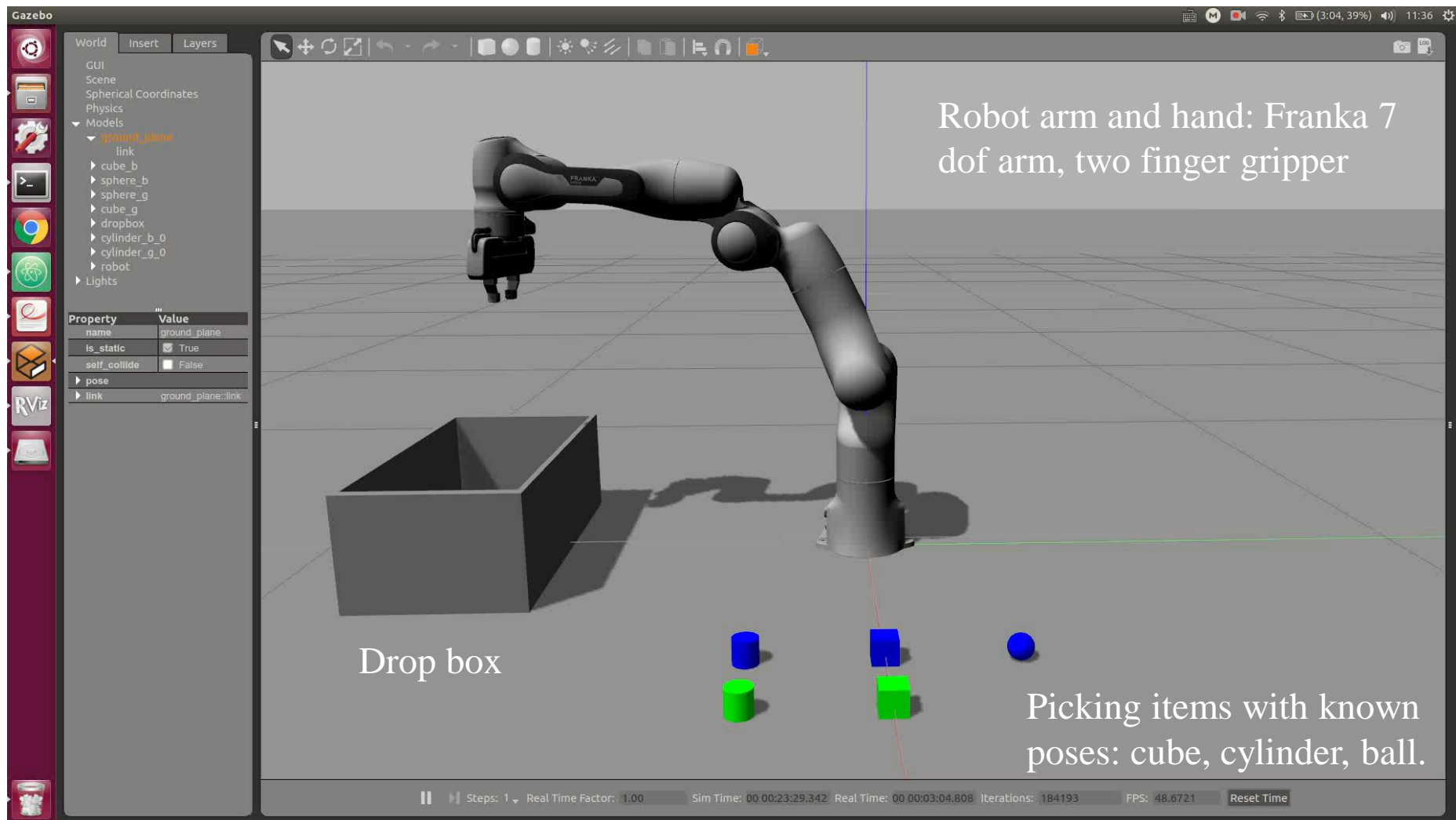
Wan Fang

Visiting Scholar

SUSTech Institute of Robotics

[sophie.fwan@hotmail.com](mailto:sophie.fwan@hotmail.com)

# Project I Demonstration



# Project I Introduction

---

## Pipeline of Simulating A Picking Robot

1. (Given) Build the scene in Gazebo: BionicDL-CobotLearning-Project1/franka\_description/worlds/simple\_geometry.world
2. (To be Completed) Modeling the Robot&Hand URDF
3. (To be Completed) Configure MoveIt with MoveIt! Setup Assistant
4. (To be Completed) Using python script to sent goals: BionicDL-CobotLearning-Project1 / franka\_description/scripts/project\_grasp.py
5. Codes: <https://github.com/ancorasir/BionicDL-CobotLearning-Project1.git>
  - Given by the instructor
  - Completed by the student in previous lab sessions
  - To be completed by the student