

91.549, Robotics II  
Fall 2003  
Prof. Yanco

## Lab 1

Out: Thursday, 4 September 2003

Due: Thursday, 11 September 2003

*Read before class on 9/11:*

AIMR: pp. 3 – 18, 193 – 242

Brooks' paper on the subsumption architecture ([link on web site](#))

*Overview:* In this lab, you'll learn to use the Pyro system with a simulated robot. Next week, you'll start to program the Pioneer robots.

*In lab today:* On the course web site (<http://www.cs.uml.edu/~holly/91.549>), you'll find links to two Pyro Modules: the Pyro introduction and an introduction to Python. You should read both modules completely. That said, these are the sections you should focus on today: the Pyro interface (follow this unit through to explore Pyro), Pyro sensors, Pyro services, and Pyro brains.

To assist you with testing later labs, I recommend creating a world in the Player/Stage simulator that looks like the hallway outside the lab (it would be enough to model the elevator lobby down to the end of the hallway near 304).

There is nothing to turn in for this assignment. Be sure to complete all of the suggested exercises and understand how to use Pyro. Next week we'll start writing brains and you'll be expected to understand the system.