

91.451, Robotics II  
Spring 2003  
Prof. Yanco

### **Lab 5: More on State Transitions**

Out: Thursday, 13 March 2003

Due: Thursday, 13 March 2003 at end of lab

Reminder: The midterm exam will be given on Tuesday, 25 March in class. You can bring one sheet of notes with you.

Today's lab is intended to be a short lab so that there won't be any programming left to do over break or right before the midterm. This lab can be done with a partner if you would like. In this lab, you'll write more code using states and state transitions for programming a behavior based system. There are two options below; choose one.

**Option 1:** Create a system that will wander until it finds a wall, then will follow the wall once it finds it. When the wall is lost, go back to wandering.

**Option 2:** Come up with your own idea that involves state transitions and implement it. You could create a dancing robot or a robot that plays tag (will follow people at times and will avoid at other times). If you decide on this option, please talk to me very soon after class starts to discuss your idea.