

### **Guidelines for Final Project Proposal:**

On Nov. 17, each of the students is expected to make a 10 minutes presentation on final project proposal. The proposal should include the following information:

- A tentative title of your final project
- Project objective
- Background/motivation of the project
- What need to be done and your plan on how to do it
- Expected results
- Resources that you need
- Contribution of the project to the general state of the art or the practice

You can use powerpoint slides to present your proposal. The purpose of the proposal presentation is for you to formally formulate your final project, and for the class to approve your proposal. A good proposal is half-way for a successful project.

The instructor will provide consultation time for the project proposal on Wednesday Nov. 12 3pm-5pm and Thursday Nov. 13 4pm-5pm, or any other time that you have an appointment with her.

### **Grading of Final Project:**

You will be graded by the following aspects of your final project:

- Novelty of the project idea
- Innovation/contribution made
- Quality/clarity of the final report
- Thoroughness of results and correctness of the technique/method
- Contribution to the general state of the art or the practice of mobile robotics

You can collaborate with your classmates. But each of you should write your own report on specific responsibility and contribution in the collaboration.

### **Resources Available:**

We have a few Create robots from iRobot that can be programmed to accomplish navigation tasks. Please check the web site for a detailed technical specification before you choose to use it in the final project.

### **Final Project Deadline:**

The report of your final project is due 5pm on Dec. 15 (Monday). Late submission will have penalty (10 points deducted on a 100 scale). You can either submit a hard copy of your report to the Instructor's office (Burchard 204) or email her an electronic version. You should also email her any codes that are associated with the project.