

EE183DA (Winter 2018)

Design of Robotic Systems I

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Final project proposals (draft)
Thu. Mar. 15 + Mon. Mar. 19, 2018

1 Overview

The goal of this proposal is to present a comprehensive plan for your team's design project. You will need to have completed all relevant background research, planning, and preparation; you will share these with the rest of the class.

2 Format

There will be two parts to this proposal: a presentation and a writeup.

The project proposal presentations will be held in class on Thu. Mar. 15 + Mon. Mar. 19, 2018. Team order will be randomly determined on the first day of presentations. Each team will get exactly 35 minutes to both present their proposal and field questions from the rest of class. Because of the limited time available, you will need to be judicious about what to present and how.

The writeup will contain the complete details of your proposal, including all of your background research and project planning. You should also address the questions and feedback received during your presentations. Finally, you must include a specific week-by-week plan, along with an assessment rubric for your weekly progress and demonstration results next quarter.

3 Presentation structure

- 25-30 minutes talk — everyone on the team must speak!
 - Define problem statement
 - Clarify motivation and scope
 - Detail context / related work
 - Identify task breakdown with particular challenges
 - Present project plan, including concrete weekly milestones and demonstration goals
 - Provide expected conclusions
- 5-10 minutes questions
 - Opportunity to get helpful feedback
 - Clarify motivation, technical challenges, implementation
 - Ask questions to your classmates!

4 Grading

As a presenter, you will be graded on the content, clarity, and completeness of your presentation, as well as your response to the audience questions. As a member of the audience, you will be graded on your engagement and participation in the other speakers' presentations through your questions and feedback.

For the writeup, you will similarly be graded on the content, clarity, and completeness of your proposal; this includes your background research, feedback responses, and project plan with assessment rubric.