

# ENPM 667 Project # 1

University of Maryland, College Park

**Due Date: Nov 20 in ELMS**

## INSTRUCTIONS

- Please send an email to the Instructor with your paper selection. The Instructor will analyze the paper content and provide an approval or reject the paper. Once fully approved you can start working on the project. Multiple papers can be selected.
- The paper should also be attached to your final submission.
- The project will be submitted online in ELMS.
- Students are allowed to select only Journal Papers. For exceptions contact the Instructor.
- The final document needs to be written in a type-setting document processor like LaTeX, LyX, Microsoft Word etc.
- You are free to choose any software package for running your simulations.
- Code for running your simulations needs to be included in the final report.
- Submission extensions will only be provided under exceptional circumstances.
- Two students are allowed (not required) to work as a group on this project.
- This project can also be extended into an independent study course in the future.

**Project 1 (200 points):** Select a Journal paper (or several papers) with a significant control and robotics component and write a technical report on it. You are expected to write and explain the main technical result(s) and affiliated proof(s) in complete detail. In addition, you need to simulate all the results in the paper and provide your simulation code and results in your final submission.

You are free to choose any technical format for the technical report. However, sections comprising an abstract (or summary), introduction (or background), discussions and conclusions, and bibliography should be present in the report. The technical report should be complete and all concepts and results should be explained in detail. You are encouraged to use references (books and papers) to enhance the quality of the final report.

**Grading Policy:**

- This project will be worth **20%** of the total course grade.
- The project will be graded on the quality of the final technical report (**200 points**).
- Students who do not get the paper approved will be given no credit.