**Mini Project Team Selections: Due via email by Wednesday, March 24th; if I have not heard from you, you will be assigned to a team.**

**Mini Project Topic Selections: Due via email by Wednesday, March 31st.**

**Mini Project Presentations: In class on either Monday, May 3rd or Wednesday May 5th, 2021.**

## Mini Project Guidelines

In this mini project, you will give a short presentation on a topic related to convex optimization, or the application of convex optimization in systems and control. You will work in groups of two or three people. The goal of the mini project is for you to present a short tutorial in class on a topic that goes beyond what we already covered in class.

Some potential starting points for topics:

- A topic/example from the textbook(s) not covered in class, or covered in class only in passing;
- A topic from another textbook (e.g., more geared toward theory or algorithms than modeling);
- A paper from the research literature, or a topic from your own research;
- A specific engineering application;
- A numerical issue, or some feature of a modeling language or solver;
- If you are having trouble finding a topic, I will be happy to discuss with you and give some suggestions.

## Presentation

Your team will give a presentation in class on your chosen topic. You are allowed 15 minutes for groups of two, or 20 minutes for groups of three (with time divided evenly between group members, and with 1 or 2 minutes reserved for a couple of short questions from the audience). You should strive to present your topic in a tutorial style that roots the topic in ideas discussed in class and then gently and clearly goes beyond the ideas from class. You should use slides, notes, or writing on the whiteboard to guide and supplement the presentation. You will be graded on the clarity of your presentation (60 points) and quality of the supporting material (40 points).