ROB 537: Learning-Based Control

Week 8, Lecture 2
Project Presentations

Announcements:

Monday 11/27
8:15-noon
Rogers 226

Final Presentation: Structure

• What makes a good presentation:
  – As many results as you can present in 12 minutes
  – As much math as you can cram onto a page (use tiny fonts to fit more math)
  – Skip the background and jump into the code
  – You have to tell a story
What does it mean to tell a story?

- Why are you doing this project
- Who cares?
- What are your goals?
- What’s the impact of achieving your goals?
- How did you go about achieving those goals
- What did you achieve
- What’s the key contribution of your work
- What next?

To outline or not to outline

- Up to you, but:
  - If presentation is less than 15 minutes, you probably don’t need it.
  - If presentation is longer than 20 minutes, you do need it.
  - If you have an outline, don’t do this:
How NOT to do an Outline

- Introduction
- Background
- Method
- Results
- Conclusions

Outline: Robots for wave energy extraction

- Impact of wave energy
- Learning and coordination in multiagent systems
- Multi-robot coordination for wave energy farm
- Results: Improved efficiency in large farms
- Next steps
Final Presentation: Visuals

- Make your slide visually accessible
  - Keep them simple
  - Keep the color down
  - Don’t change fonts/colors unless there is a very good reason
THIS IS NOT A GOOD IDEA

What does it mean to tell a story?

- Why are you doing this project
- Who cares?
- What are your goals?
- What’s the impact of achieving your goals?
- How did you go about achieving those goals
- What did you achieve
- What’s the key contribution of your work
- What next?

THIS IS A WORSE IDEA

What does it mean to tell a story?

- Why are you doing this project
- Who cares?
- What are your goals?
- What’s the impact of achieving your goals?
- How did you go about achieving those goals
- What did you achieve
- What’s the key contribution of your work
- What next?
Final Presentation: Timing

- If you have 12 minutes:
  - You should prepare a 15 minute presentation and speak as fast as you can.
  - Talk for 15 minutes because what you're saying is very important.
  - Talk for 7 minutes and then leave because you are in a hurry.
  - Talk for 12 minutes (plus or minus 15 seconds)