CS 378: Autonomous Intelligent Robotics (FRI)

Dr. Todd Hester
Are there any questions?
Talks

● Yasutaka Furukawa
  ○ Apr. 25, 2013, 11:00am-12:00pm, GDC 2.216
  ○ "Reconstruct and Visualize the World: From Academic Research to Product Deployment"
Logistics

• Fall Class
  ○ Doodle Survey on piazza
  ○ Current Winner: MW 3:30-5

• Piyush's Study
  ○ Will send out email tomorrow

• Final Projects
Final Projects

• Two Goals
  ○ Final term paper. Show me what you did.
  ○ Enable others to understand/use/integrate your project

• Four components
  ○ Final report
  ○ Source code
  ○ Demo video
  ○ Individual e-mail to me specifying what percentage you think each group member contributed.
Final Report

- 6 pages double spaced
- Like a conference paper
  - Sections, citations, figure/table
- Well-written abstract
- 3 citations. Compare with related work.
- Team member roles
- Link to source code
- Experimental results
- Not a story. A report
- Proofread and spell-check!
- Hard copy due in class Thursday 5/2
Source Code

- Public github repository
- Include a README file.
  - How do we run your code?
  - What nodes/launch files should we run?
  - What parameters do we need to know?
  - What external packages do we need?
- Include a link to the code in the report and with the video.
Demo Video

- 1-2 minute video
- Explain and demonstrate your project
- Each group member should speak
- Each video should have a title slide
  - Project name, group members, class, and instructor
- Post videos to youtube
- In description, put:
  - Project name, group members, class, instructor
  - Abstract
  - Link to source code
- Post links to videos on piazza by 5pm 5/10
Final Report

- Can turn in by 4pm Friday (slide under my office door)
  - 1 point off
Today

- Reinforcement Learning
Readings

- Tell us about what paper you read
- What did they do?
- How did they test it?
- How does it relate to our project?
Thursday

Course conclusion / discussion
Class surveys