CS 378: Autonomous Intelligent Robotics (FRI)

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Are there any questions?

Logistics

- Ball Following Assignment
  - Reserve your time slots and start soon!
  - Pull power cables by white connector
  - Fourth robot is up and running
  - How is it going?
  - Any lab access issues?

- Forum for AI (FAI)
  - http://www.cs.utexas.edu/~ai-lab/fai/

- Assignment Due Thursday
- Proposals due the following week
  - Proposal Info

Laser Scan Results

- Lasers detected frosted glass

- Laser goes straight through other glass
  - We are getting a return (next object past glass) rather than no signal
  - Can detect as a wall with blinds down

Today

- Controllers
- Readings

Controllers

- Bang Bang Control
- Proportional Control
- PID Control

Readings

- Particular insights?
- Work that might be useful for our project?
- What's missing in these research projects?
- How can we extend/modify what you read to our project?
- Ideas/Challenges that we haven't considered?

Readings

- Similar Projects
- Vision and Face Detection/Tracking
- Localization and SLAM
- Motion/Path Planning
- Multiple Robot Coordination
- Human Robot Interaction

Thursday

- Assignment 2 Due