

CS 378: Autonomous Intelligent Robotics (FRI)

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Are there any questions?

Logistics

- Progress Reports Due Today
- Wiki Project Updates
- Tuesday
- My job decision
- New research educator

AAAI Spring Symposium

- Designing Intelligent Robots
 - <http://people.csail.mit.edu/gdk/dir2/>
- Joelle Pineau
 - Intelligent Wheelchairs
 - Using Kinect to determine flow of crowd
 - Learn how people usually navigate in crowds
 - Appropriate distance to stay from people
- Sjriek Alers, Karl Tuyls
 - Telepresence robots
 - Forward facing and bottom facing cameras
 - Automatically follow center of attention
 - Navigation to goals, back to power

AAAI Spring Symposium

- Morgan Quigley
 - Lots of talk about ROS
 - Moving control down to the device firmware
 - Simulations for the DARPA Robotics Challenge
- Manuela Veloso
 - CoBot
 - People tricking the robot on the elevator
 - Multi-robot scheduling
 - Interrupting Autonomy
- Matt Taylor
 - Learning for robot error recovery
 - If robot gets stuck, can we learn/plan to escape

Class Topics

- Github / Version Control
- Human Robot Interaction
- Multi-Robot Coordination
- Motion / Obstacle Avoidance
- Covered?
 - ROS
 - Motion Control
 - Vision
 - Localization / SLAM

Today

- Group Updates
- Readings

Group Updates

Readings

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