# CS344M
# Autonomous Multiagent Systems

**Todd Hester**

Department of Computer Science
The University of Texas at Austin

# Good Afternoon, Colleagues

Are there any questions?

# Logistics

- Surveys due Wednesday at 9pm (7 as of this morning)

# Logistics

- Surveys due Wednesday at 9pm (7 as of this morning)
- Next week's readings posted

# Logistics

- Surveys due Wednesday at 9pm (7 as of this morning)
- Next week's readings posted
- Talk this Friday at 11 am (ACES 2.302):

# Logistics

- Surveys due Wednesday at 9pm (7 as of this morning)
- Next week's readings posted
- Talk this Friday at 11 am (ACES 2.302):
  - Wolf Ketter
  - Erasmus University
  - Power Trading Agent Competition

# Kiva Systems

- Video (and RoboCup connection)

# Kiva Systems

- Video (and RoboCup connection)
- Is Job Manager (JM) a single point of failure?

# Kiva Systems

- Video (and RoboCup connection)
- Is Job Manager (JM) a single point of failure?
- How are collisions avoided with A*?

# Kiva Systems

- Video (and RoboCup connection)
- Is Job Manager (JM) a single point of failure?
- How are collisions avoided with A*?
- If Drive Unit does path planning, how does the JM know how to allocate resources?

# Kiva Systems

- Video (and RoboCup connection)
- Is Job Manager (JM) a single point of failure?
- How are collisions avoided with A*?
- If Drive Unit does path planning, how does the JM know how to allocate resources?
- How do they determine the ratio of pods to drive units to human pickers?

# Kiva Systems

- Video (and RoboCup connection)
- Is Job Manager (JM) a single point of failure?
- How are collisions avoided with A*?
- If Drive Unit does path planning, how does the JM know how to allocate resources?
- How do they determine the ratio of pods to drive units to human pickers?
- What are the "over 100 message types"?

# Kiva Systems

- Could you outperform the warehouse system with a swarm?

# Kiva Systems

- Could you outperform the warehouse system with a swarm?

- Other solutions to this problem?

# Kiva Systems

- Could you outperform the warehouse system with a swarm?
- Other solutions to this problem?
- Other applications of this system?