Good Afternoon, Colleagues
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Are there any questions?
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- Will there be a definition? Does it matter?
Good Afternoon, Colleagues

Are there any questions?

- Will there be a definition? Does it matter?
- What’s up with “persistence” / “operating through time”?
Logistics

- WICS: "How to prepare for the career fair"  
  - Thursday, Jan 29, at 7:00 PM in TAY 2.106.
Logistics

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• Reading responses
Logistics

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- Reading responses

- Programming assignment
Logistics

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- Reading responses

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- Mailing list replies
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- Mailing list replies

- Rescue: so far at most 4 people
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- Reading responses

- Programming assignment

- Mailing list replies

- Rescue: so far at most 4 people

- Next week’s readings are up:
  - Brooks’ reactive robots
  - A more deliberative architecture
  - RoboCup case study (addition)
Ladies and Gentlemen...
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Laurel Issen on "Trusting Agents"
Writing Assessment

- What did you think of these readings?
- What was good about them?
- How could they have improved?
Franklin and Graesser Definition

An autonomous agent is a system situated within and a part of an environment that senses that environment and acts on it, over time, in pursuit of its own agenda and so as to affect what it senses in the future.
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An autonomous agent is a system situated within and a part of an environment that senses that environment and acts on it, over time, in pursuit of its own agenda and so as to affect what it senses in the future.

1. “over time... so as to affect what it senses in the future”

2. “in pursuit of its own agenda”
Thermostats

- Are they agents or not?
- How does Wooldridge resolve this?
My Requirements of Agents

• They must **sense** their environment.

• They must **decide** what action to take (“think”).

• They must **act** in their environment.
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**Multiagent systems:** Interact with other agents
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**Multiagent systems:** Interact with other agents

**Learning agents:** Improve performance from experience
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**Multiagent systems:** Interact with other agents

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**Autonomous Bidding, Robot Soccer**
Environments

Environment $\Rightarrow$ sensations, actions
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- fully observable vs. partially observable (accessible)
Environments

Environment $\iff$ sensations, actions

- fully observable vs. partially observable (accessible)
- deterministic vs. non-deterministic
Environments

Environment $\implies$ sensations, actions

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- mobile?