Good Afternoon, Colleagues

Are there any questions?
Logistics

- Reading response getting better
Logistics

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  - Be specific about where in article you’re referring to
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  – Show me you’ve read all the articles
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  - Sycara and Mataric
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● Programming assignment 3 — any questions?
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- Programming assignment 3 — any questions?

- Week 4 assignments are up
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- Speak in class
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- Role of a survey article
Some Definitions

- Distributed Computing:
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(pic from pursuit slides)
Multiagent Systems

- Study, behavior, construction of possibly preexisting autonomous agents that interact with each other.
  - incomplete information for agents
  - no global control
  - decentralized data
  - asynchronous computation
Why Multiagent Systems?
Why Multiagent Systems?

(7)

• Some domains require it. (Hospital scheduling)

• Interoperation of legacy systems

• Parallelism.

• Robustness.

• Scalability

• Simpler programming.

• “Intelligence is deeply and inevitably coupled with interaction.” – Gerhard Weiss
Organizations

• Hierarchy:
Organizations

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- **Community of Experts**: 

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Peter Stone
Organizations

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Peter Stone
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- **Market**: bid for tasks and resources; contracts

- **Scientific community**: full solutions (perhaps with varying information) combined