CS344M
Autonomous Multiagent Systems

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Good Afternoon, Colleagues

Are there any questions?
Logistics

- Programming assignment 4 - any questions?
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  - 2D or 3D

- Next week’s readings on RoboCup case studies
Logistics

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- Next week’s readings on RoboCup case studies

- Talks in the department:
  - Leif Johnson, PhD Defense, today at 4:30pm (GDC 4.518)
  - “Redundancy Reduction in Motor Control”
ACL Desiderata

Form: simple, readable, concise, easy to parse and generate, extensible
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Environment: interoperability with other languages

Reliability: reliable, secure, authentication possible, error handling
Three-layer organization

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```lprolog
tell
    :sender stock-server
    :content (PRICE IBM 14)
    :receiver joe
    :in-reply-to ibm-stock
    :language LPROLOG
    :ontology NYSE-TICKS)
```
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ACLs – Current Landscape

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- Sample FIPA applications on resources page
What is the soccer server communication protocol?
Soccer server communication

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  – Only one agent from a team can speak at a time (or at least be heard at a time)
  – Communication limited to 50 meters
  – Limited bandwidth

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- How to get the most from limited bandwidth?
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An example protocol