Autonomous Multiagent Systems

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Week 6, Thursday (10/3)

Midterm Surveys

- 9 received so far
- Keep ’em coming!

This week, be (extra) sure to cc vinay on everything

Any Questions?

{Per,Il}locution

Locution: What is said (physical)

Illocution: What is meant

Perlocution: Intended effects

Example: “Please close the window.”

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Theorem 2

- Team mutually wants p until true or impossible $\Longrightarrow$ individual wants p until true or impossible.

- Yes, it's correct.

Applications – exercises

- Searching for people as a team
- SWAT/bomb squad
- Submarine combat
- Joint forces operations

- Multiagent shopping
- Office cleaning
- Potluck dinner

- Networking
- Division of CPU among applications

- Automobile assembly

- Bridge/dominoes — minimal communication

Discussion

> "Capabilities for teamwork cannot be patched on, but must be designed in from the start." (Grosz, 1996)

- Agree or disagree?

Next Week's Readings – RoboCup case studies

- Application rather than theory
- Focus on learning approaches
- Choose 2 of 7