CS378 Autonomous Multiagent Systems Spring 2005

Prof: Peter Stone

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The University of Texas at Austin

Week 15b: Thursday, May 4th

Good Afternoon, Colleagues

Are there any questions?

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- Bob experimental results
- NcNeil BEATS
- How would you deal w/ more subtle/covert emotions
- rtNEAT other than NERO

Logistics

- Final reports due to me on Thursday
- Just one point off if turned in at my office by Friday at 3:30pm
 - Only if you're in class on Thursday!

Discussion

How would you deal w/ more subtle/covert emotions?

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- How would you deal w/ more subtle/covert emotions?
- Should agents model emotions?

• You've read.

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You've reacted and formed opinions.

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- You've spoken.

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Do you like CS research?

1. Autonomous agents:

What is an agent?

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2. Agent architectures:

What is an agent? Subsumption, TCA

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2. Agent architectures:

Overview, subsumption

3. Multiagent Systems:

1. **Autonomous agents:** What is an agent?

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3. **Multiagent Systems:** Overview, subsumption

4. Communication and Teamwork: KQML, Joint Intentions

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5. RoboCup case studies

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- 5. RoboCup case studies
- 6. **Swarms and ant-based approaches:** "Go to the Ant"

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- 7. **Applications:** Air traffic, intersection traffic

Autonomous agents:

 Agent architectures:
 Multiagent Systems:
 Communication and Teamwork:
 RoboCup case studies

 Swarms and ant-based approaches:

 Applications:
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 Air traffic, intersection traffic

 Agent architectures:

 Subsumption
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 Applications:

 Air traffic, intersection traffic

 Nash equilibrium

What is an agent? Autonomous agents: 2. Agent architectures: Subsumption, TCA 3. Multiagent Systems: Overview, subsumption 4. Communication and Teamwork: KQML, Joint Intentions 5. RoboCup case studies "Go to the Ant" 6. Swarms and ant-based approaches: Air traffic, intersection traffic 7. Applications: 8. Game theory: Nash equilibrium 9. Statistical measurements: t-tests

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coaching, RMM, tracking teams

10. **Agent modeling:**

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The original question

• What is an agent?

- I've been impressed by the levels of discussions we've had in class
- I'm happy with the progress in writing and speaking that many of you have made
- I'm proud of all of you for sticking with it through such a demanding course

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THANKS!!!

Surveys

- Nate's and my surveys
- Positive and negative feedback useful

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- Invitation to send more feedback by email

Surveys

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- Positive and negative feedback useful
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 - Should the course be run again?
 - How should it change?

Next Meeting

• The tournament!



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- Tuesday, May 16th
- ACES 2,402
- 1pm-3pm

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- Come prepared to talk (informally) about your team