CS378
Autonomous Multiagent Systems
Spring 2005

Prof: Peter Stone
TA: Mazda Ahmadi

Department or Computer Sciences
The University of Texas at Austin

Week 3a: Tuesday, February 1

Good Afternoon, Colleagues

Are there any questions?

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Logistics

- Programming assignment questions?

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  – Multiagent Systems – an overview
    – Another overview (optional)
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  - Free-form response

Writing

- Direct, articulate responses
  - Thesis sentence
  - Supporting argument
  - Demonstrate that you know what you're saying

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One way that TCA departs from Rodney Brooks' design principles is that TCA employs a central control module. TCA's central component routes messages to the various connected modules and maintains control information. Brooks' designs, on the other hand, connected perception directly to actions, bypassing any form of central control and also any central representation of the world.

Yoram Singer's Talk

- Any reactions?

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    – Respond in a timely fashion
    – No complex respresentation
    – No state at all (respond to current percepts)

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- learning?

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It is worth observing that state-based agents as defined here are in fact no more powerful than the standard agents we introduced earlier. In fact, the are *identical* in their expressive power.

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  Reactive agents for last week's assignment task?

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  $\boxed{\text{Subsumption Architecture}}$

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  | Subsumption Architecture |

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