CS378 Autonomous Multiagent Systems Spring 2005

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Department or Computer Sciences The University of Texas at Austin

Week 2b: Thursday, January 27th

Good Afternoon, Colleagues

Are there any questions?



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- Progress in the teamwork challenge? (off-line review, on-line tracking)
- Infrastructure challenge: rescue too?





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- Next soccer assignment: communication





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 - -1 more in C, then C++





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- Next soccer assignment: communication
 - -1 more in C, then C++
- Optional: do rescue assignments 2 and 3 instead



Environment \implies sensations, actions



 ${\sf Environment} \Longrightarrow {\sf sensations}, {\sf actions}$

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- static vs. dynamic



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- single-agent vs. multiagent



Your Agent Examples



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Physical control: Automatic gear shift, roomba (2), traffic light control, Mars rover



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Software control: DVR (2), web crawler, spam filter, computer virus, smoke alarm (2), GPL locator



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Software control: DVR (2), web crawler, spam filter, computer virus, smoke alarm (2), GPL locator

Human interaction: Game AI agent, chatbot, political demonstrator

Biological: real virus



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Discrete? Accessible? Deterministic? Static? Episodic?

