CS344M Autonomous Multiagent Systems Spring 2008

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Good Afternoon, Colleagues

Are there any questions?



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- Synthetic challege paper "dated" = old?
- Offline skill learning how?
- Hardware speedups: more on-line learning?





• How did it go?





- How did it go?
- Next soccer assignment: communication





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- Next soccer assignment: communication
 - 1 more in C, then C++



Aravind Gowrisankar on car-racing agents



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RoboCup Synthetic Agents Challenge

- Learning Challenge
- Teamwork Challenge
- Opponent Modeling Challenge



Learning Challenge

• early years - Offline individual, collaborative learning



Learning Challenge

- early years Offline individual, collaborative learning
- then some online skill and collaborative team learning



Learning Challenge

- early years Offline individual, collaborative learning
- then some online skill and collaborative team learning
- Open challenge on-line adversarial learning
 - Especially during a single game



• early years – hard-wired positions



- early years hard-wired positions
- now, more flexible teamwork



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- now, more flexible teamwork
 - plan decomposition roles, play modes



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 - executing team plans ISIS



- early years hard-wired positions
- now, more flexible teamwork
 - plan decomposition roles, play modes
 - executing team plans ISIS
 - contingency planning not so much



• First: Build in models



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- Off-line review statistical engines



- First: Build in models
- Off-line review statistical engines
- Open challenge:
 - On-line tracking (Andou)
 - On-line strategy recognition



- First: Build in models
- Off-line review statistical engines
- Open challenge:
 - On-line tracking (Andou)
 - On-line strategy recognition
- Recent years coach
 - Omniscient view
 - Standard language
 - Coachable teams

