Good Afternoon, Colleagues

Are there any questions?
Logistics

- Programming assignment questions?
Logistics

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- Check the resources page
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- Next week’s readings up
  - Multiagent Systems – an overview
  - Another overview (optional)
  - Pushing Brooks’ approach to MAS
Logistics

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  - Free-form response
Writing

- Direct, articulate responses
  - Thesis sentence
  - Supporting argument
  - Demonstrate that you know what you’re saying
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.
Reactive vs. deliberative (3 senses)

- Respond in a timely fashion
- No complex representation
- No state at all (respond to current percepts)
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From the book:

- \( \text{action} : \mathcal{P} \rightarrow A \)
- Decision based entirely on the present
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- action : $P \rightarrow A$

- Decision based entirely on the present
  - True of Brooks’ “reactive” agents?
“We hypothesize that much of even human level activity is similarly a reflection of the world through very simple mechanisms without detailed representations.”

- An activity!
Brooks’ Goals
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- Autonomous mobile agents that are seen as intelligent
- No interest in applications
- Timely, robust, do something
Brooks’ Goals

• Autonomous mobile agents that are seen as intelligent
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• How differ from 3T goals?
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How differ from 3T goals?
- What are their stances towards modeling biology?
- Which is more biologically plausible?
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Subsumption Architecture
Brooks’ Goals

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Subsumption Architecture