CS378
Autonomous Multiagent Systems
Spring 2005

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Week 3b: Thursday, February 3

Good Afternoon, Colleagues

Are there any questions?

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- Exactly how are layers combined?

- Can layers be used for proactivity?

- Other reactive archs?

Logistics

- Programming assignment 4

  – Help each other!
  – Start thinking about pairs

Subsumption

- Exactly how are layers combined?

- Can layers be used for proactivity?

Pengi

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Group 1: Design a Pengi controller using subsumption

Group 2: Design a Pengi controller using TCA

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- The details of a complete agent

- Any comments?

Merkwelt

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- Every agent has its own *Merkwelt*.

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- *Merkwelt* ~ "perceptual world"

- Every agent has its own *Merkwelt*.

- Why should robots use a representation based on our *Merkwelt*?

- Do we know our own *Merkwelt*?

Representation

- Necessary?

  "We hypothesize that much of even human level activity is similarly a reflection of the world through very simple mechanisms without detailed representations."

Modules

"When researchers working on a particular module get to choose both the inputs and the outputs that specify the module requirements I believe there is little chance the work they do will fit into a complete intelligent system."

Does this apply to TCA?

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Could Simmons have used subsumption?

- Why or why not?