

CS378
Autonomous Multiagent Systems
Spring 2005

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Week 3b: Thursday, February 2

Good Afternoon, Colleagues

Are there any questions?

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- Role switching heuristic in CMUnited?
- 3T communication protocol? Bandwidth limits?
- Merkwelt?
- How do Brooks' layers communicate? How differ from neural nets? Which layer is active?
- Is there a complexity limit? Which method is more prevalent now?

Logistics

- Programming assignment 4
 - Help each other!
 - Start thinking about pairs

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- Why should robots use a representation based on our *Merkwelt*?
- Do we know our own *Merkwelt*?

Subsumption

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Brooks' Goals



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Subsumption Architecture

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Subsumption Architecture

(journal article, page 2)

Class Discussion: Gary Bland

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

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Group 1: Design a Pengi controller using subsumption

Group 2: Design a Pengi controller using 3T