



# ARTIST Requirements Meeting

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## Artificial Intelligence and RT

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### ❑ Multi-agent systems

- Robo-Cup
- Real-time pattern recognition
- Real-time path finding

### ❑ Deliberation and planning

- Anytime algorithms

### ❑ Regular reassignment of resources

- Application task allocating CPU time to agent tasks
- Need to use any spare capacity constructively

# Contract Model

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- ❑ **Need to recalculate budgets dynamically and efficiently**
- ❑ **Need to negotiate for a collections of agents (threads) simultaneously**
  - Might imply a hierarchical contract mechanism