

Wrapup

Coordination Technology Can Help

- a large body of robust technology & underlying theory from many domains
- suitable for complex collaborative domains
- infrastructure is becoming ubiquitous

Coordination Challenges

- dependency capture
 - reduce burden/increase services
 - increase expressiveness
- process management
 - broader palette of coordination mechanisms
 - theory of problem -> mechanism mapping
- exception handling
 - robust reusable mechanisms
 - social institutions

Agents Challenges

- communication standards
 - domain level (KIF, PDES ...)
 - collaboration level (IDEF, KQML ...)
- self-aware
 - of own skills & rationale & enactment status
- self-modifying
 - to respond to coordination needs, exceptions

What's Coming

- increasingly capable software agents
- growth of “emergent society” mechanisms
- vast heterogeneous agent societies, creating unprecedented coordination challenges

Evaluation, Please

- Did the tutorial cover material you were interested in?
- Was the presentation clear and well-organized?
- Please leave your comments with me before you go - thanks!

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