



Coordination Models and Applications

Knowledge in Pervasive Environments (CoMA)

Intro

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CoMA Organisation

- | Tue, June 24, 2008

- | 3 sessions
 - | Third session includes discussion round

- | 7 full paper presentations
 - | 20' + 10' Q&A



Robotics

P2P over Tuple Spaces

Rule-based Reasoning

Grid-like Tuple Spaces

Agents

Ant-oriented Agents

Adaptive Process Management

Topics

Artificial Intelligence

Collaboration/Navigation

Spatially-aware Applications

Situated Agents

Neuronal Networks

Biologically Inspired Information Processing



Schedule

- | Session 1: 0900 – 1030
 - | Opening
 - | A study on human performance in a cooperative local navigation robotic system
 - | Secure P2P programming on top of tuple spaces
- | Session 2: 1100 – 1300
 - | Relation-Centric Development of Spatially-Aware Applications
 - | Cooperative behavior of artificial neural agents based on evolutionary architectures
 - | Collective Sort and Emergent Patterns of Tuple Distribution in Grid-Like Networks
 - | Situating A&A ReSpecT for Pervasive Environment Applications



Schedule

- | Lunch: 1300 – 1400
- | Session 3: 1400 – 1600
 - | Coordinating Mobile Actors in Pervasive and Mobile Scenarios: an AI-based Approach
 - | Joint discussion on "Knowledge Coordination in Pervasive Environments"
 - | Please prepare statements...
 - | To be integrated and elaborated in the workshop report



Schedule

| Session 1: 0900 – 1030

| Opening

Best Paper Award !!!

| A study on human performance in a cooperative local navigation robotic system

| Secure P2P programming on top of tuple spaces

| Session 2: 1100 – 1300

| Relation-Centric Development of Spatially-Aware Applications

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| Situating A&A ReSpecT for Pervasive Environment Applications



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