Multi-Agent System Survey Paper and Presentation

55:185
Group Assignment
200 points

Distributed Intelligent Agents for Internet/Engineering Systems

Due Date: Paper: April 25, 2002 @ 5:00pm
Presentation: Date TBA (Last Weeks of Class)

Objective: To write a literature survey paper related to distributed intelligent agents theoretical concepts and prepare a presentation for the class on this topic.

Description

1.1 Survey Paper
Your assignment is to write a short five to ten page literature survey paper related to a distributed intelligent agent theoretical concept and then give a seven minute presentation on this topic. This paper should be a comparison of different research approaches for a multi-agent system area (see list of theoretical agent topics below). Your paper should include a review of existing or current work in a multi-agent systems research area. Your paper should at a minimum reference and summarize five related papers and list them in the bibliography. You are encouraged to use Citeseer to find your papers (http://citeseer.nj.nec.com/cs). Note: This paper is not the same as the technical report for your final project.

For your paper, you should use the Microsoft Word template found at:
• http://www.aaai.org/Publications/Author/macros-link.html

Listed below are some guideline theoretical topics related to distributed intelligent agents:

Theoretical Multi-Agent System Topics
• Multi-Agent Learning
• Ontology Merging
• Multi-Agent Planning
• Agent Communication Languages and Platforms (LEAP, DAML, FIPA ACL)
• Ontology Learning
• Agents and the Semantic Web
• Multi-Agent Collaboration
• Mobile Agent Systems
• Multi-Agent ToolKits

Note: You should consider picking a topic that would be related to your final MAS project.
1.2 **Presentation**

You should prepare a seven minute PowerPoint presentation that summarizes your paper plus includes summary descriptions of research or industry applications that incorporate your chosen multi-agent theoretical concept. These summaries must include how these systems were evaluated for their performance.

**Deliverables**

- Your topic and paper strategy must be approved by Prof. Williams by April 9 at class time.
- You must schedule a class time between April 28th and May 9th to give your presentation.
- You must turn in a hard copy (slide summary) of your PowerPoint slides plus an electronic copy the day you give your presentation.
- Please submit an MS Word copy of your final paper via e-mail to Prof. Williams by April 25 @ 5:00pm.
- Late penalty: 5% will be deducted per day for each day that your assignment is late.