

## Intelligent Agents Reading List

Each of you must read a paper and present it in one of the class lectures from Nov. 6 to Dec. 6. The following papers are suggested topics for you presentations. You are free to present something else, but only if I give prior approval on the topic. You must sign up for a particular day and paper by the end of the day on Monday, Nov. 4. The sign up sheet will be posted outside my office door.

- Peter Stone, Manuela Veloso, and Patrick Riley. The CMUnited-98 champion simulator team. In Minoru Asada and Hiroaki Kitano, editors, RoboCup-98: Robot Soccer World Cup II. Springer Verlag, Berlin, 1999.  
<http://www.uni-koblenz.de/~fruit/ROBOCUP/BIB/svr98.ps.gz>  
<http://citeseer.nj.nec.com/94850.html>  
**(presentation must be on Wed., Nov. 6)**
- K. Carley and Les Gasser. Computational Organization Theory. Chapter 7, our textbook
- H. Van Dyke Parunak. Industrial and Practical Applications of DAI. Chapter 9, our textbook
- H. Chalupsky, Y. Gil, C.A. Knoblock, K. Lerman, J. Oh, D.V. Pynadath, T.A. Russ, and M. Tambe. Electric Elves: Applying Agent Technology to Support Human Organizations. In Proceedings of the Thirteenth Innovative Applications of Artificial Intelligence Conference (IAAI-01), Menlo Park, 2001. AAAI Press.  
<http://www.isi.edu/~hans/publications/IAAI01.pdf>
- Bayardo et al.; Infosleuth: Semantic Integration of Information in Open and Dynamic Environments. In Proc. of the 1997 ACM-SIGMOD International Conference on Management of Data, 195-206. Also in Readings in Agents, M. N. Huhns and M. P. Singh eds., Morgan Kaufman, 1997  
<http://www.almaden.ibm.com/cs/people/bayardo/ps/sigmod97.pdf>
- A Scalable Comparison-Shopping Agent for the World-Wide Web (Autonomous Agents 1997)  
<http://www.cs.washington.edu/research/projects/WebWare1/www/softbots/papers/agents97.pdf>
- The DARPA Agent Markup Language (DAML+OIL).  
<http://www.daml.org/2001/03/daml+oil-index.html>
- N. R. Jennings (2000) "On Agent-Based Software Engineering" Artificial Intelligence, 117 (2) 277-296.  
<http://www.ecs.soton.ac.uk/~nrj/download-files/aij2000.ps>
- M. Wooldridge and P. Ciancarini. Agent-Oriented Software Engineering: The State of the Art In P. Ciancarini and M. Wooldridge, editors, Agent-Oriented Software Engineering. Springer-Verlag Lecture Notes in AI Volume 1957, January 2001.  
<http://www.cs.wpi.edu/~cs525m/s02/aose2000a.ps>

- James Mayfield, Yannis Labrou and Tim Finin. Evaluation of KQML as an Agent Communication Language, in Intelligent Agents Volume II -- Proceedings of the 1995 Workshop on Agent Theories, Architectures, and Languages. M. Wooldridge, J. P. Muller and M. Tambe (eds). Lecture Notes in Artificial Intelligence, Springer-Verlag, 1996.  
*<http://www.cs.umbc.edu/~jklabrou/publications/lnai95.pdf>*
- Mobile Agents: Are they a good idea?, Colin Harrison, David Chess and Aaron Kershenbaum. Research report, IBM .J. Watson Research Center, March 1995.  
*<http://www.research.ibm.com/massive/mobag.ps>*
- David N. Allsopp and Patrick Beautement and John Carson and Michael Kirton", Toward Semantic Interoperability in Agent-Based Coalition Command Systems In First International Semantic Web Working Symposium (SWWS'01), 2001.  
*<http://www.semanticweb.org/SWWS/program/full/paper10.pdf>*
- D. L. Martin, A. J. Cheyer, and D. B. Moran, "The open agent architecture: A framework for building distributed software systems," Applied Artificial Intelligence, vol. 13, pp. 91--128, January-March 1999.  
*<http://www.ai.sri.com/pubs/files/415.ps.gz>*
- Tambe, M. 1997. Towards Flexible Teamwork. In Journal of Artificial Intelligence Research, Volume 7, Pages 83-124.  
*<http://www.isi.edu/teamcore/tambe/papers/97/jair.pdf>*
- Cohen, P. R. & Levesque, H. J. (1991). Teamwork. *Nous* 25(4), pp. 487-512. Special Issue on Cognitive Science and Artificial Intelligence.  
*<http://www.cse.ogi.edu/CHCC/Papers/philPaper/teamw10.pdf>*
- K. Pfleger & B. Hayes-Roth. An Introduction to Blackboard-Style Systems Organization. Knowledge Systems Laboratory, 1998  
*[http://www.ksl.stanford.edu/KSL\\_Abstracts/KSL-98-03.html](http://www.ksl.stanford.edu/KSL_Abstracts/KSL-98-03.html)*
- Fisher et al.; 1996. A pragmatic BDI architecture. Intelligent Agents II. (*see instructor for copies*)