

## References for Agent Computing

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Agent Based Engineering (ABE) Group, Center for Design Research, Stanford University, <http://www-cdr.stanford.edu/ABE/>, 2003.

Bergenti, F. and Poggi, A. A Development Toolkit to Realize Autonomous and Interoperable Agents, AGENTS'01, 632-639, Montreal, Quebec, Canada, May 28-June 1, 2001.

Bratman, M. E., Intention, Plans, and Practical Reason, *Harvard University Press*, 1987. (also available from CSLI Publications, 1999)

Brugali, D. and Sycara, K. Towards Agent Oriented Application Frameworks, 32(1es), 21-27, March 2000, also available at <http://www.cercom.polito.it/Publication/Pdf/128.pdf>, 2000.

Caglayan, A. and Harrison, C. *Agent Source Book*, John Wiley & Sons, Inc., (ISBN 0-471-15327-3), 1997.

Collins, J. C., Ndumu, D. T., Nwana, H. S. and Lee, L. C. The ZEUS Agent Building Tool-kit, *BT Technology Journal*, 16(3), 60-68, July 1998.

DeLoach, Scott A. Multiagent Systems Engineering: A Methodology and Language for Designing Agent Systems, <http://en.afit.af.mil/ai/publications/Conference/aois-99/MaSE-AOIS99.htm>, 1999.

Depke, Ralph, Heckel, Reiko, and Kuster, Jochen, Improving the Agent-Oriented Modeling Process by Roles, *AGENTS'01*, 640-647, June 2001.

Einhorn, M. Jeffery, A BDI Agent Software Development Process, MS Thesis, (Advisor: Chang-Hyun Jo), Department of Computer Science, University of North Dakota, May 2002.

Elammari, M. and Lalonde, W. An Agent-Oriented Methodology: High-Level and Intermediate Models, Proc. of the Agent-Oriented Information Systems (AOIS) 1999, Heidelberg, Germany, June 1999, Also available at <http://citeseer.nj.nec.com/cache/papers/cs/15637/http://zSzzSzwww.carleton.ca/~elammari/AOIS99/zSzaom-aois99.pdf/elammari99agentoriented.pdf>, 1999.

Foner, Lenny. What's an Agent, Anyway? A Sociological Case Study, <http://ics.www.media.mit.edu/people/foner/Julia/Julia.html>, 1999.

Franklin, Stan and Graesser, Art. Is it an Agent, or just a Program?: A Taxonomy for Autonomous Agents, <http://www.msci.memphis.edu/~franklin/AgentProg.html>,

Proceedings of the Third International Workshop on Agent Theories, Architectures, and Languages, Springer-Verlag, 1996.

Gruer, P., Hilaire, V., Koukam, A., and Cetnarowicz, K. A Formal Framework for Multi-agent Systems Analysis and Design, *Expert Systems with Applications*, 23(4), 349-355, 2002.

Grundy, J., Mugridge, W., and Hosking, J. Constructing Component-based Software Engineering Environments: Issues and Experiences, *Information and Software Technology*, 42(2), 103-114, 2000.

Hayden, Sandra, Carrick, Christina, and Yang, Qiang, A Catalog of Agent Coordination Patterns, ACM Press, 412-413, 1999.

IEEE, *A Special Edition for Agents*, [IEEE Internet Computing Vol 1., No. 4, July/August 1997.](#)

Iglesias C. A., Garijo M, Gonzalez J. C., and Juan R. Velasco, Analysis and Design of Multiagent Systems using MAS-CommonKADS, In M.P. Singh, A. Rao, and M.J. Wooldridge, editors, *Proc. 4th Int. Workshop on Agent Theories, Architectures, and Languages (ATAL-97)*, volume 1365 of LNAI, 313-328, Springer-Verlag, July 24-26, 1998.

Intelligent Agents Group (IAG), Trinity College Dublin and Broadcom Ireland, Software Agents: A review, [http://www.cs.tcd.ie/research\\_groups/aig/iag/iag2.html](http://www.cs.tcd.ie/research_groups/aig/iag/iag2.html), 2003.

Intelligent Agents Group (IAG), Trinity College Dublin and Broadcom Ireland, Intelligent Agents in Telecommunications, [http://www.cs.tcd.ie/research\\_groups/aig/iag/tereport.html](http://www.cs.tcd.ie/research_groups/aig/iag/tereport.html), 2003.

Intelligent Agents Group (IAG), Trinity College Dublin and Broadcom Ireland, A Survey on Intelligent Agents in Telecommunications, [http://www.cs.tcd.ie/research\\_groups/aig/iag/survey.html](http://www.cs.tcd.ie/research_groups/aig/iag/survey.html), 2003.

Janson, S. Agent-based Systems, <http://www.agentbase.com/survey.html>, 2003.

Jennings, Nicholas R., On agent-based software engineering, *Artificial Intelligence*, volume 117, 277-296, February 2000.

Jennings, Nicholas R., An Agent-Based Approach for Building Complex Software Systems, *Communications of the ACM*, 44(4), 35-41, April 2001.

Jo, Chang-Hyun, A Seamless Approach to the Agent Development, *ACM SAC 2001*, Las Vegas, 641-647, March, 2001.

Jo, Chang-Hyun and Allen J. Arnold, Agent-Based Programming Language (APL), *ACM SAC 2002*, Madrid, Spain, 27-31, March 2002.

Jo, Chang-Hyun and Einhorn, Jeffery M. A Process for BDI Agent-Based Software Construction, The 2003 International Multi-Conference in Computer Science and Engineering (IMCSE 2003) – The 2003 International Conference on Software Engineering Research and Practice (SERP'03), Las Vegas, Nevada, June 23-26, 2003.

Jo, Chang-Hyun, Research related to Agent Computing, <http://www.ecs.fullerton.edu/~jo/research>, 2003.

Kinny, D. and Georgeff, M. Modelling techniques for BDI agents systems, Technical Report 54, Australian AI Institute, Melbourne, Australia, 1995.

Kinny, D., Georgeff, M., and Rao A., A design methodology for BDI agent systems, Technical Report 55, Australian AI Institute, Melbourne, Australia, 1995.

Kinny, D., Georgeff, M., and Rao, A. A Methodology and Modelling Techniques for Systems of BDI agents. In *Agents Breaking Away: Proc. Of the 7<sup>th</sup> European Workshop on Modelling Autonomous Agents in a Multi-Agent World*, (LNAI Vol. 1038): 56-71, Springer-Verlag, 1996, also at <http://citeseer.nj.nec.com/cache/papers/cs/40/ftp:zSzzSzwww.aaii.com.auzSzpubzSzaaii-technoteszSztechnote58.pdf/kinny96methodology.pdf>.

Kinny, D. and Georgeff, M., Modelling and Design of Multi-Agent Systems, *Intelligent Agents III: The 3<sup>rd</sup> International Workshop on Agent Theories, Architectures, and Languages (ATAL-96)*, Springer, Lecture Notes in AI, 1996.

Maamar, Z. and Moulin B. An Overview of Software Agent-Oriented Frameworks, *ACM Computing Survey*, 32(1es), 1-6, March 2000, also available at <http://portal.acm.org/citation.cfm?doid=351936.351955>, 2000.

Maes, Pattie. Autonomous Agents Group, MIT Media Laboratory, <http://agents.media.mit.edu/index.html>, 2003.

Maudlin Michael. Julia, Information available from Forner, Lenny's Julia, <http://foner.www.media.mit.edu/people/foner/Julia/>, 1999.

OAA Home, The Open Agent Architecture (OAA), SRI International, <http://www.ai.sri.com/~oaa/>, 2001.

Odell, J., Parunak, H. V. D., and Bauer, B. Extending UML for Agents, *Proc. Of the AOIS Workshop at the 17<sup>th</sup> National Conference on AI (AAAI 2000)*, 3-17, available at <http://www.jamesodell.com/ExtendingUML.pdf>, 2000.

Petrie, Charles J. Agent-based Engineering, the Web, and Intelligence, <http://www-cdr.stanford.edu/NextLink/Expert.html>, 2003, also available from IEEE Expert, Dec. 1996.

Petrie, Charles, Agent-Based Software Engineering, *Agent-Oriented Software Engineering, Lecture Notes in AI, Springer-Verlag 1957*, 58-76, 2001.

Rana, O. F., Winikoff, M. Padgham, L., and Harland, J. Applying Conflict Management Strategies in BDI Agents for Resource Management in Computational Grids, Proc. Of the 25<sup>th</sup> Australian Conference on CS, Vol.4, 205-214, Jan 2002.

Rao, Anand S. and Georgeff, Michael P., BDI Agents: From Theory to Practice, Technical Notes 56, *Australian Artificial Intelligence Institute*, (April 1995), also available in the Proc. of the 1<sup>st</sup> International Conference on Multi-Agent Systems (ICMAS-95), San Francisco, USA, June, 1995.

Sycara, K. P. Multiagent Systems, <http://www-2.cs.cmu.edu/~softagents/papers/multiagentsystems.PDF>, also appears in AI Magazine, 19(2), 79-92, 1998.

Thangarajah, J., Padgham, L., and Harland, J. Representing and Reasoning for Goals in BDI Agents, Proc. Of the 25<sup>th</sup> Australian Conference on CS, Vol4, 259-265, Melbourne, Victoria, Australia, Jan. 2002.

UMBC Agent Web, News and information on software agent technology, <http://agents.umbc.edu/>, 2003.

Weiss G., editor, Multi-Agent Systems, *The MIT Press: Cambridge, MA*, 1999.

Wooldridge, Michael and Nicholas R. Jennings, "Agent Theories, Architectures, and Languages: a Survey," in Wooldridge and Jennings Eds., *Intelligent Agents*, Berlin: Springer-Verlag, 1-22. 1995.

Wooldridge, M. and Jennings, N. R., Intelligent Agents: Theory and Practice, *Knowledge Engineering Review, Cambridge Univ. Press*, 10(2), 115-152, June 1995.

Wooldridge, M. and Jennings, N. R., Software Engineering With Agents: Pitfalls and Pratfalls, *IEEE Internet Computing*, 20-27, May-June 1999.

Wooldridge, M., Jennings, N. R., and Kinny, D., A Methodology for Agent-Oriented Analysis and Design, *Autonomous Agents 1999, Seattle, WA*, 69-76, 1999.

Wooldridge, M., Reasoning about Rational Agents, *The MIT Press: Cambridge, MA*, 2000.