

Vorlesung Multiagentensysteme

8. Literatur zur Vorlesung

Kapitel 1: Einführungsliteratur

- AgentLink Agent Technology Roadmap.
<http://www.agentlink.org/roadmap/index.html>
- J. M. Bradshaw. Software Agents. MIT Press, 1997.
- J. Ferber. Multi-Agent Systems : An Introduction to Distributed Artificial Intelligence. Addison-Wesley, 1999.
- M. N. Huhns and M. P. Singh, editors, Readings in Agents. Morgan Kaufmann Publishers Inc., 1998.
- N.R. Jennings and M. J. Wooldridge. Agent Technology: Foundations, Applications, and Markets. Springer-Verlag. 1998.
- N.R. Jennings, K. Sycara, and M.J. Wooldridge. A Roadmap of Agent Research and Development In Journal of Autonomous Agents and Multi-Agent Systems. 1(1), pages 7-36. July 1998.
- R. Murch and T. Johnson. Agententechnologie: Die Einführung. Addison-Wesley, München, Boston, 2000.
- M. J. Wooldridge. An introduction to Multiagent Systems. John Wiley & Sons, 2002.

Kapitel 2: Agentenarchitekturen

- M. Bratman, D.J. Israel, and M.E. Pollack. Toward an architecture for resource-bounded agents. Technical report CSLI-87-104, Stanford University, 1987.
- Intelligent Agents book series. Springer-Verlag, Lecture Notes in Artificial Intelligence, Volumes 890, 1037, 1193, 1365, 1555 (1995-1999)
- J. P. Müller. The Design of Autonomous Agents : A Layered Approach, volume 1177 of Lecture Notes in Artificial Intelligence. Springer-Verlag, Heidelberg, 1996.
- A.S. Rao and M. Georgeff. Modeling agents within a BDI architecture. Proc. Of the 2nd Intl. Conf. On Principles of Knowledge Representation and Reasoning (KR'91), 1991.
- Y. Shoham. Agent-oriented programming. Artificial Intelligence, 60:51-92, 1993
- M. J. Wooldridge. Kapitel 2-5 von An introduction to Multiagent Systems. John Wiley & Sons, 2002.

Kapitel 3: Entscheidungsmodelle und Suchverfahren

- N. J. Nilsson. Artificial Intelligence: A New Synthesis. Morgan Kaufmann, 1998.
- J. Pearl. Heuristics. Addison-Wesley, 1984.
- M.M. Richter. Prinzipien der Künstlichen Intelligenz. B. G. Teubner Stuttgart, 1989
- S. Russell and P. Norvig. Artificial Intelligence: A Modern Approach, Prentice Hall, 2002.

Kapitel 4: Interaktion in Multiagentensystemen

- Robert Axelrod. The evolution of cooperation. Basic Books, 1985.
- Ken Binmore. Fun and Games: a Text on Game Theory. D.C.Heath and Company, Lexington, 1992.
- J. Rosenschein and G. Zlotkin. Rules of Encounter. MIT Press, 1994.
- M. J. Wooldridge. Kapitel 6 In An introduction to Multiagent Systems. John Wiley & Sons, 2002.

Kapitel 5: Verhandlungsmodelle

- Trading Agent Competition Web Site.
<http://auction2.eecs.umich.edu/>
- M. J. Wooldridge. Kapitel 7 in An introduction to Multiagent Systems. John Wiley & Sons, 2002.
- Gilad Zlotkin and Jeffrey S. Rosenschein. Mechanism design for automated negotiation and its application for task-oriented domains. Artificial Intelligence. Journal of Artificial Intelligence. Volume 86, Number 2, October 1996, pages 195-244.

Kapitel 6: Kommunikation, Koordination, Kooperation

- A. Bond and L. Gasser. *Readings in Distributed Artificial Intelligence*. Morgan Kaufman Publishers, San Mateo, California, 1988.
- Weiss G., ed. *Multiagent Systems: A Modern Approach to Distributed Artificial Intelligence*. MIT Press, 2000.
- M. J. Wooldridge. Kapitel 8 und 9 in *An introduction to Multiagent Systems*. John Wiley & Sons, 2002.

Kapitel 7: Entwicklung agentenbasierter Softwaresysteme

- Buchreihe: *Agent-Oriented Software Engineering*, Springer-Verlag, *Lecture Notes in Artificial Intelligence*
- LEAP, EU Project (<http://leap.crm-paris.com>)
- FIPA-OS, Emorphia (<http://www.fipa-os.org>)
- JADE, TILabs (<http://sharon.cselt.it/projects/jade>)
- Cougaar, ALPINE for DARPA (<http://www.cougaar.org>)
- Zeus, BT (<http://zeus.enhydra.org>)

Wissenschaftliche Journals

- Journal of Autonomous Agents and Multi-Agent Systems, <http://www.wkap.nl/journalhome.htm/1387-2532>
- Künstliche Intelligenz, <http://www.kuenstliche-intelligenz.de>
- Wirtschaftsinformatik, <http://www.wirtschaftsinformatik.de>

Standardisierungsgremien

- AgentLink (<http://www.agentlink.org>)
- Agent Society (<http://www.agent.org>)
- DAML (<http://www.daml.org>)
- FIPA (<http://www.fipa.org/>)
- Sun JCP, JAS (<http://www.java-agent.org>)
- OMG (<http://www.omg.org>)
- SemanticWeb (<http://www.semanticweb.org>)
- UDDI (<http://www.uddi.org>)
- W3C (XML) (<http://www.w3.org>)

Bedeutende Konferenzen und Workshops

- International Conference on Autonomous Agents and Multiagent Systems (AAMAS, ab 2002)
 - <http://www.aamas-conference.org>
- International Conference on Autonomous Agents (AA, bis 2001)
 - <http://autonomousagents.org>
- International Conference on Multiagent Systems (ICMAS, bis 2001)
 - <http://www.icmas.org>
- International Workshop on Agent Theories, Architectures, and Languages (ATAL, bis 2001)
 - <http://www.atal.org>
- Int. Workshop on Agent-oriented Software Engineering (AOSE)
- Int. Workshop on Agent-mediated electronic commerce (AMEC)
- Int. Workshop on Coop. Information Agents (CIA)

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Internet-Ressourcen

- Tim Finin's agent page at UMBC
<http://www.cs.umbc.edu/agents>
- Mike Wooldridge's agent page
<http://gryphon.elec.qmw.ac.uk/dai/people/mikew/links/>
- Software agents FAQ
http://www.ee.mcgill.ca:80/~belmarc/agent_faq.html
- Mobile agents links
http://www.cetus-links.org/oo_mobile_agents.html
- Agent web letter and mailing list
<http://www.cs.umbc.edu/agentslist; ../agents/agentnews/>
- WWW Consortium (Mobile Code)
<http://www.w3.org/pub/WWW/MobileCode/>

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