

DSL Reading List

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Further, I have started to compile a bibtex file of the articles in this list. You can get it [here](#). The mark [b] means that this article is in the bibtex database.

Graham

Nonmonotonic Logics

• Default Logic

- [R. Reiter \(1980\). A logic for default reasoning. Artificial Intelligence, 13:81-132.\[b\]](#)
- [J. P. Delgrande, T. Schaub, and W. K. Jackson \(1994\). Alternative approaches to default logic. Artificial Intelligence, 70:167-237.\[b\]](#)
- [J. Delgrande and T. Schaub \(2003\). On the relation between Reiter's default logic and its \(major\) variants. In Seventh European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty \(ECSQARU 2003\), pages 452-463.\[b\]](#)

• Defeasible Logic/Argumentation

- [D. Nute \(1994\). Defeasible logic. In Handbook of logic in artificial intelligence and logic programming, volume 3: Nonmonotonic reasoning and uncertain reasoning, pages 353-395. Oxford University Press.](#)
- [Logical models of argument, Carlos Chesnevar, et al., ACM Computing Surveys 32:4, 2000.](#)
- [Logics for defeasible argumentation, Henry Prakken and Gerard Vreeswijk, in Handbook of Philosophical Logic, Dov M. Gabbay, Franz Guenther, eds., Kluwer, 2002.](#)

• Circumscription

- [J. McCarthy \(1980\). Circumscription - A form of non-monotonic reasoning. Artificial Intelligence, 13:27-39.\[b\]](#)
- [J. McCarthy \(1986\). Applications of circumscription to formalizing common-sense knowledge. Artificial Intelligence, 28:89-116.\[b\]](#)
- V. Lifschitz (1986). Pointwise circumscription. In Proceedings of the Fifth National Conference on Artificial Intelligence (AAAI'86), pages 406-410.
- V. Lifschitz (1994). Circumscription. In Handbook of Logic in Artificial Intelligence and Logic Programming, Volume 3, pages 297-352. Oxford University Press.

• Closed world assumption

- [V. Lifschitz \(1986\). Closed-world databases and circumscription. Artificial Intelligence, 27:229-35.\[b\]](#)
- J. Minker (1982). On indefinite databases and the closed world assumption. In Proceedings of the Sixth International Conference on Automated Deduction (CADE'82), pp. 292-308.
- R. Reiter (1978). On closed world data bases. In H. Gallaire and J. Minker, editors, Logic and Data Bases, pp. 119-40. Plenum Publ. Co., New York.

• Answer Set Programming

- M. Gelfond [2008] Answer sets. In: Handbook of Knowledge Representation, Elsevier, pages 285-316.

• Logic Programming

- M. Gelfond and V. Lifschitz [1988] The Stable Model Semantics for Logic Programming Proc. 5th International Conference and Symposium on Logic Programming (R. Kowalski and K. Bowen, eds), MIT Press, pages 1070-1080.
- Representing Actions in Logic Programs and Default Theories: A Situation Calculus Approach, Hudson Turner, The Journal of Logic Programming Volume 31, Issues 1-3, April-June 1997, Pages 245-298, Reasoning about Action and Change.

• Negation as failure

- K. Clark [1978, 1987]. Negation as failure. Readings in nonmonotonic reasoning, Morgan Kaufmann Publishers, pages 311 - 325.
- [S. Kraus, D. Lehmann and M. Magidor. Nonmonotonic Reasoning, Preferential Models and Cumulative Logics, Artificial Intelligence, 44:167--207, 1990\[b\]](#)
- D. Makinson (2005) Bridges from Classical to Nonmonotonic Logic, College Publications.
- G. Brewka (1991). Nonmonotonic Reasoning: Logical Foundations of Commonsense. Cambridge University Press.

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- The uses of argument, Stephen Toulmin, Cambridge University Press, 1958.
- Logical foundations of artificial intelligence, Michael R. Genesereth, Nils J. Nilsson.
- Chin-Liang Chang; Richard Char-Tung Lee (1973). Symbolic Logic and Mechanical Theorem Proving. Academic Press.
- Reasoning with Incomplete Information, David W. Etherington, Morgan Kaufmann Publishers Inc.
- Logic in Computer Science: Modelling and Reasoning about Systems. (M. Huth & M. Ryan)
- Foundations of Logic Programming. (J. W. Lloyd)
- Knowledge Representation: Logical, Philosophical, and Computational Foundations. (J. F. Sowa)

Belief Revision

- C. E. Alchourròn, P. Gärdenfors, and D. Makinson (1985). On the logic of theory change: Partial meet contraction and revision functions. Journal of Symbolic Logic, 50:510-530.
- [Darwiche, A. and Pearl, J. \(1997\) On the logic of iterated belief revision. Artificial Intelligence 89\(1-2\): 1-29.\[b\]](#)
- H. Katsuno and A. O. Mendelzon (1991). On the difference between updating a knowledge base and revising it. In Proceedings of the Second International Conference on the Principles of Knowledge Representation and Reasoning (KR'91), pages 387-394.
- [H. Katsuno and A. O. Mendelzon \(1991\). Propositional knowledge base revision and minimal change. Artificial Intelligence, 52:263-294.\[b\]](#)
- S. Konieczny and R. Pino Perez (1998). On the logic of merging. In Proceedings of the Sixth International Conference on Principles of Knowledge Representation and Reasoning (KR'98), pages 488-498.
- C. Boutilier (1993). Revision sequences and nested conditionals. In Proceedings of the Thirteenth International Joint Conference on Artificial Intelligence (IJCAI'93), pages 519-525.
- C. Boutilier (1995). Generalized update: belief change in dynamic settings. In Proceedings of the

- [C. Boutilier \(1996\). Abduction to plausible causes: an event-based model of belief update. Artificial Intelligence, 83:143-166.\[b\]](#)

Action Theory

- J. McCarthy and P. Hayes (1969). Some philosophical problems from the standpoint of artificial intelligence. In B. Meltzer and D. Michie, editors, Machine Intelligence, 4:463–502. Edinburgh University Press, 1969.
- R. Reiter (1991). The frame problem in the situation calculus: a simple solution (sometimes) and a completeness result for goal regression. In Vladimir Lifshitz, editor, Artificial intelligence and mathematical theory of computation: papers in honour of John McCarthy, pages 359–380, San Diego, CA, USA. Academic Press Professional, Inc. 1991.
- M. Shanahan (1997). Solving the Frame Problem: a Mathematical Investigation of the Common Sense Law of Inertia. MIT Press.
- H. Levesque, F. Pirri, and R. Reiter (1998). Foundations for the situation calculus. Electronic Transactions on Artificial Intelligence, 2(3–4):159-178.
- [ConGolog, a concurrent programming language based on the situation calculus. Giuseppe De Giacomo, Yves Lespérance, Hector J. Levesque, Artificial Intelligence Volume 121, Issues 1-2, August 2000. Pages 109-169\[b\]](#)

Agents

- Rao, M. P. Georgeff. (1995). "Formal models and decision procedures for multi-agent systems". Technical Note, AAIL. <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.52.7924&rep=rep1&type=pdf>.
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- A. S. Rao and M. P. Georgeff. BDI-agents: From Theory to Practice, In Proceedings of the First International Conference on Multiagent Systems (ICMAS'95), San Francisco, 1995.
- Anand S. Rao, 1996. AgentSpeak(L): BDI Agents Speak Out in a Logical Computable Language. Proceedings of Seventh European Workshop on Modelling Autonomous Agents in a Multi-Agent World (MAAMAW-96).
- Hindriks, K.V., Boer, F.S. de, Hoek, W. van der & Meyer, J-J.Ch. (1999). Agent Programming in 3APL. In Int. J. of Autonomous Agents and Multi-Agent Systems 2(4) (pp. 357-401).
- Hindriks, K.V., Boer, F.S. de, Hoek, W. van der & Meyer, J-J.Ch. (1998). A formal embedding of AgentSpeak(L) in 3APL. UU-CS (Ext. rep. 1998-07). Utrecht, the Netherlands: Utrecht University: Information and Computing Sciences.
- Hindriks, K.V., Boer, F.S. de, Hoek, W. van der & Meyer, J-J.Ch. A formal embedding of agentspeak(l) in 3apl. In G. Antoniou & J. Slaney (Eds.), Advanced Topics in Artificial Intelligence (pp. 155-166). Berlin, Germany: Springer-Verlag.
- Hindriks, K.V., Boer, F.S. de, Hoek, W. van der & Meyer, J-J.Ch. (1998). Failure, monitoring and recovery in the agent language 3APL. In G. De Giacomo (Ed.), AAAI 1998 Fall Symposium on Cognitive Robotics (pp. 68-75).
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- BRATMAN, M. E., ISRAEL, D. J. & POLLACK, M. E. (1988) Plans and resource-bounded practical reasoning. Computational Intelligence, 4, 349-355.
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- distributed hypothesis formation. IEEE Transactions on Systems, Man, and Cybernetics, 21, 1167-1183.
- J. S. Rosenschein and M. R. Genesereth. Deals Among Rational Agents. Proc. of IJCAI-85, pages 91-99, 1985.
- [B. J. Grosz and S. Kraus \(1996\) "Collaborative Plans for Complex Group Actions" Artificial Intelligence 86, pages 269-358.\[b\]](#)
- [Davis, R. and Smith, R. Negotiation as a Metaphor for Distributed Problem Solving, Artificial Intelligence 20, Issue 1, pp. 63-109.\[b\]](#)
- [Reaching Agreements Through Argumentation: A Logical Model and Implementation, by Sarit Kraus, Katia Sycara, Amir Evenchik, Artificial Intelligence, Volume 104 , Issue 1-2 \(September 1998\) Pages: 1 - 69\[b\]](#)

Software Engineering

- 2009 Peri Tarr, Harold Ossher, William Harrison, and Stanley M. Sutto: N Degrees of Separation: Multi-Dimensional Separation of Concerns, ICSE-21, 1999.
- 2008 Peyman Oreizy, Nenad Medvidovic and Richard N. Taylor: Architecture-Based Runtime Software Evolution, ICSE-20, 1998.
- 2007 Antonio Carzaniga, Gian Pietro Picco and Giovanni Vigna: Designing Distributed Applications with Mobile Code Paradigms, ICSE-19, 1997.
- 2005 Michael Jackson, Pamela Zave: Deriving Specifications from Requirements: An Example, ICSE-17, 1995.
- 2004 Robert Allen, David Garlan: Formalizing Architectural Connection, ICSE-16, 1994.
- 2003 Bashar Nuseibeh, Jeff Kramer, Anthony Finkelstein: Expressing the Relationships between Multiple Views in Requirements Specification, ICSE-15, 1993.
- 2002 David S. Rosenblum: Towards a Method of Programming with Assertions, ICSE-14, 1992.
- 2001 Robert Balzer: Tolerating Inconsistency, ICSE-13, 1991.
- Requirements Engineering: A Roadmap B. Nuseibeh & S. Easterbrook, International Conference on Software Engineering'00: Proceedings of the Conference on The Future of Software Engineering (2000), pp. 35-46.
- Requirements Engineering in the Year 00: A Research Perspective - Axel van Lamsweerde, International Conference on Software Engineering'00: Proceedings of the 22nd international conference on Software engineering (2000), pp. 5 - 19
- Goal-Oriented Requirements Engineering: A Guided Tour, Axel van Lamsweerde, Proceedings of the Fifth IEEE International Symposium on Requirements Engineering (2001), pp. 249
- Model Checking Early Requirements Specifications in Tropos, Ariel Fuxman, Marco Pistore, John Mylopoulos, Paolo Traverso, In Proc. of the 5th Int. Symposium on Requirements Engineering, RE'01

Enterprise Architecture and Goal-Oriented Modeling

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