Bibliography

[1] H. Almuallim and T.G. Dietterich. Learning Boolean Concepts in the Presence of Many Irrelevant Features. *Artificial Intelligence*, 69:279–305, 1994.

[2] S. Arikawa. Construction of Knowledge Processing System Employing Analogical Reasoning. Technical Report Subject 62880008, Ministry of Education Science Research Project (Experimental Research (2)), 1990. in Japanese.

[3] J. Arima and K. Sato. Non-Monotonic Reasoning. In K. Furukawa and F. Mizoguchi, editors, *Knowledge Programming*, chapter 8, pages 189–214. Kyoritsu Shuppan Co. Ltd., 1988. in Japanese.

[4] H. Asoh. *Neural Network Information Processing*. Sangyo Tosho, 1988. in Japanese.

[5] F. Bergadano and D. Gunetti. *Inductive Logic Programming: From Machine Learning to Software Engineering*. The MIT Press, 1996.

[6] Toshiba Tutors Computers in Conceptual Thinking. Business Week, July 13, 1992.

[7] R. Caruana and D. Freitag. How Useful Is Relevance? In *Relevance: Papers from the 1994 AAAI Fall Symposium*, pages 21–25. AAAI, AAAI Press, 1994.

[8] T.R. Davies and S.J. Russel. A Logical Approach to Reasoning by Analogy. In *Proc. of 10th IJCAI*, pages 264–270, 1987.

[9] J. de Kleer. An Assumption-Based Truth Maintenance System. *Artificial Intelligence*, 28(2):127–162, 1986.

[10] J. de Kleer and B.C. Williams. Diagnosing Multiple Faults. In *Readings in Model-Based Diagnosis*, pages 100–117. Morgan Kaufmann, 1992.

[11] N. Domae and M. Ishizuka. Knowledge-Base Reformation for Efficient Hypothetical Reasoning System. *Journal of JSAI*, 9(4):595–603, 1994. in Japanese.

[12] R.J. Doyle. Constructing and Refining Causal Explanations from an Inconsistent Domain Theory. In *Proc. of AAAI'86*, pages 538–544, 1986.

[13] L. Eshelman. MOLE: A Knowledge-Aquisition Tool for Cover-and-Differentiate Systems. In S. Marcus, editor, *Automating Knowledge Acquisition for Expert Systems*, pages 37–80. Kluwer Academic Publishers, 1988.

[14] K. Eshghi and R.A. Kowalski. Abduction Compared with Negation by Failure. In *Proc. of 6th ICLP*, pages 234–254, 1989.

[15] M. Gelfond. The Stable Model Semantics for Logic Programming. In *Proc. of 5th ICLP*, pages 1070–1080, 1988.

[16] D. Gentner. Structure-Mapping: A Theoretical Framework for Analogy. *Cognitive Science*, 7:155–170, 1983.

[17] D. Gentner. Structure-Mapping: A Theoretical Framework for Analogy. *Cognitive Science*, 7:155–170, 1983.

[18] R.N. Hanson. *Patterns of Discovery*. Cambridge, 1958.

[19] M. Haraguchi. Towards a Mathematical Theory of Analogy. *Bull. of Inform. Cybernetics*, 21:29–56, 1985.

[20] M. Haraguchi. Analogical Reasoning Using Transformation of Rules. In *Proc. of LPC'85, Springer-Verlag LNCS 221*, pages 56–65, 1986.

[21] M. Haraguchi. On Mechanization of Analogical Reasoning. In *Mechanism of Learning of Knowledge*, chapter 5, pages 125–154. Kyoritsu Shuppan, 1986. in Japanese.

[22] D. Haussler. Bias, Version Spaces and Valiant's Learning Framework. In *Proc. of the 4th Annual International Machine Learning Workshop*, pages 324–336, 1987.

[23] J.R. Hobbs. Interpretation as Abduction. *Artificial Intelligence*, 63:69–142, 1993.

[24] J.H. Holland et al. *Induction*. The MIT Press, 1986.

[25] B. Indurkhya. Approximate Semantic Transference: A Computational Theory of Metaphors and Analogies. *Cognitive Science*, 11:445–480, 1987.

[26] B. Indurkhya. *Metaphor and Cognition*, volume 13 of *Studies in Cognitive Systems*. Kluwer Academic, 1992.

[27] H. Inoue and S. Arikawa. On Japanese Interface for Analogical Reasoning. In *Proc. of the 2nd Annual Conference of JSAI*, pages 509–512, 1988. in Japanese.

[28] M. Ishizuka. *Representation of Knowledge and High-Speed Reasoning*. Maruzen, 1996.

[29] S. Ito. Creativity in Science. In Japan Society of Creativity, editor, *Method and Theory of Creation*, pages 73–84. Kyoritsu Shuppan, 1983. in Japanese.

[30] N. Iwayama et al. Analogy by Generalization with Logic Programming. In *Proc. of symposium on the reformation of knowledge*, pages 185–194, 1991.

[31] G.H. John et al. Irrelevant Features and the Subset Selection Problem. In *Proc. of the 11th Machine Learning*, pages 121–129, 1994.

[32] J.R. Josephson and S.G. Josephson. *Abductive Inference: Computation, Philosophy, Technology*. Cambridge University Press, 1994.

[33] A.C. Kakas and P. Mancarella. Generalized Stable Models: A Semantics for Abduction. In *Proc. of 9th European Conference on Artificial Intelligence*, pages 385–391, 1990.

[34] J. Kawakita. *Method of Creation*. Chuko Shinsho, 1967. in Japanese.

[35] K. Kira and L.A. Rendell. The Feature Selection Problem: Traditional Method and a New Algorithm. In *Proc. of AAAI'92*, pages 129–134. AAAI, 1992.

[36] R. Kohavi. Feature Subset Selection as Search with Probabilistic Estimates. In *Relevance: Papers from the 1994 AAAI Fall Symposium*, pages 109–113. AAAI, AAAI Press, 1994.

[37] R. Kohavi and G.H. John. Automatic Parameter Selection by Minimizing Estimated Error. In *Proc. of the 12th Machine Learning*, pages 304–312, 1995.

[38] J. Kolodner. *Case-Based Reasoning.* Morgan Kaufmann, 1993.

[39] Y. Kusui et al. Creativity Support System Chie-no-Izumi. *Toshiba Review*, 45(5):413–416, 1990. in Japanese.

[40] P. Langley. Selection of Relevant Features in Machine Learning. In *Relevance: Papers from the 1994 AAAI Fall Symposium*, pages 127–131. AAAI, AAAI Press, 1994.

[41] D.B. Lenat. AM: Discovery in Mathematics as Heuristic Search. In R. Davis and D. B. Lenat, editors, *Knowledge-Based Systems in Artificial Intelligence*, chapter 1, pages 1–225. McGraw-Hill, 1982.

[42] J.W. Lloyd. *Foundations of Logic Programming.* Springer-Verlag, Second, Extended edition, 1987.

[43] T. Makino and M. Ishizuka. A Hypothetical Reasoning System with Constraint Handling Mechanism and Its Application to the Design of Circuit Blocks. *Journal of JSAI*, 5(5):640–648, 1990. in Japanese.

[44] O.L. Mangasarian and W.H. Wolberg. Cancer Diagnosis via Linear Programming. *SIAM News*, 23(5), 1990.

[45] P.M. Murphy and D.W. Aha. UCI Repository of Machine Learning Database. http://www.ics.uci.edu/AI/ML/Machine-Learning.html, 1994.

[46] B. Nebel and J. Koehler. Plan Modification Versus Plan Generation: A Complexity-Theoretic Perspective. In *Proc. of 13th IJCAI*, pages 1436–1441, 1993.

[47] Creativity Support System. Nikkei Industry News, July 7, 1992. in Japanese.

[48] Nomura Research Institute. Market Forecast and Strategy of Reserach on Feeling Media Technology, Oct. 1991. in Japanese.

[49] Y. Okubo and M. Haraguchi. Planning with Abstraction Based on Partial Predicate Mappings. In *Proc. of ALT'92*, pages 183–194, 1992.

[50] R. Orihara. Analogical Reasoning as a Form of Hypothetical Reasoning and Justification-Based Knowledge Acquisition. In *Proc. of ALT'91*, pages 243–254, 1991.

[51] R. Orihara. Analogical Reasoning as a Form of Hypothetical Reasoning. *IEICE Trans. Inf. & Syst.*, E75-D(4):477–486, July 1992.

[52] R. Orihara. Trends of Systems for Creativity Support. *Information Processing*, 34(1):81–87, 1993. in Japanese.

[53] R. Orihara. Trends of Systems Supporting Divergent Thinking. *Journal of JSAI*, 8(5):560–567, 1993. in Japanese.

[54] R. Orihara. A System for Creativity Support "Chie-no-Izumi®". *Journal of JSAI*, 9(2):248–257, 1994. in Japanese.

[55] R. Orihara. Explanation-Based Metaphor Understanding and Its Application to CBR. In *Japanese Society for Artificial Intelligence, SIG-KBS-9502-4(9/18)*, pages 24–31, 1995.

[56] R. Orihara. An Analysis of Variety of Analogy. In *Proc. of the 13th Annual Conference of JSSST*, pages 433–436, 1996. in Japanese.

[57] R. Orihara. Conditional Probability-Based Feature Elimination. In *Proc. of the 12th Annual Conference of JSAI*, pages 19–21, 1998. in Japanese.

[58] R. Orihara. Explanation-Based Feature Subset Selection for Decision Tree Induction. *Journal of JSAI*, 14(2):296–306, 1999.

[59] R. Orihara et al. An Analogical Reasoning Mechanism on the Abduction Support System^{TM}. In *Proc. of the 6th Annual Conference of JSSST*, pages 85–88, 1989.

[60] R. Orihara et al. Overview of Analogical Reasoning Mechanism of Creativity Support System "Chie-no-Izumi^{TM}". In *Proc. of Paradigms of Learning and Their Applications*, pages 89–98, 1989. in Japanese.

[61] R. Orihara et al. Plan of Creativity Support System. In *Proc. of the 38th meeting of IPSJ*, pages 466–467, 1989. in Japanese.

[62] R. Orihara et al. Analogicl Reasoning Mechanism of "Chie-no-Izumi^{TM}" and Meaning of Analogy-based Creation. In *Proc. of the 4th Annual Conference of JSAI*, pages 123–126, 1990. in Japanese.

[63] R. Orihara et al. On Paraphrasing-Based Analogical Reasoning — as a Theoretical Base of the Abduction Support System. In *Proc. of ALT'90*, pages 134–148, 1990.

[64] R. Orihara et al. Analogical Models for Logic Programs — Semantics for Analogical Reasoning as a Form of Hypothetical Reasoning. In *Information Processing Society of Japan, SIG-AI, 91-AI-75*, pages 137–146, 1991.

[65] R. Orihara and H. Konno. Prototype of Creativity Support System "Chie-no-Izumi"^{TM}. In *Proc. of the 8th Annual Conference of JSST*, pages 5–8, 1991. in Japanese.

[66] T.C. Przymusinski. On the Declarative Semantics of Deductive Databases and Logic Programs. In J. Minker, editor, *Foundations of Deductive Databases and Logic Programming*, chapter 5, pages 193–216. Morgan Kaufman, 1988.

[67] J.R. Quinlan. Induction of Decision Trees. *Machine Learning*, 1, 1986.

[68] J.R. Quinlan. *C4.5: Programs for Machine Learning*. Morgan Kaufmann, 1993.

[69] D.E. Rumelhart, J.L. McClelland, and the PDP Research Group. *Parallel Distributed Processing: Explorations in the Microstructure of Cognition*, volume 1. The MIT Press, 1986.

[70] E.Y. Shapiro. Inductive Inference of Theories from Fact. Research Report 192, Yale University, 1981.

[71] J.D. Tenenberg. Inheritance in Automated Planning. In *Proc. of First International Conf. on Knowledge Representaion and Reasoning*, pages 475–485, 1989.

[72] H. Vafaie and K. De Jong. Improving a Rule Induction System Using Genetic Algorithm. In Michalski and Tecuci, editors, *Machine Learning: A Multistrategy Approach*, chapter 17, pages 453–469. Morgan Kaufmann, 1994.

[73] E. C. Way. *Knowledge Representation and Metaphor*, volume 7 of *Studies in Cognitive Systems*. Kluwer Academic, 1991.

[74] P.H. Winston. Learning and Reasoning by Analogy. *Communications of the ACM*, 23(12):689–703, 1980.

[75] L.F. Young. *Idea Processing Support: Definitions and Concepts*, chapter 8, pages 243–268. Wm.C.Brown Publishers, 1988.