ILP bibliography

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[1] H. Adé. Inverse resolutie en automatisch leren. Master's thesis, Department of Computer Science, Katholieke Universiteit Leuven, 1990. (In Dutch).

[2] H. Adé and H. Boström. JIGSAW: Puzzling together RUTH and SPECTRE. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 263–266. Springer-Verlag, 1995.

[3] H. Adé and M. Bruynooghe. A comparative study of declarative and dynamically adjustable language bias in concept learning. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[4] H. Adé and M. Bruynooghe. A comparative study of declarative and dynamically adjustable language bias in concept learning. In *Proceedings of the ML-92 Workshop on Biases in Inductive Learning*, 1992.

[5] H. Adé, L. De Raedt, and M. Bruynooghe. Inverse resolutie in een geintegreerd inductief - deductief leersysteem: SWAN. In *Proceedings of the 4th Dutch AI Conference*, pages 299–308, 1991. (In Dutch).

[6] H. Adé, L. De Raedt, and M. Bruynooghe. Inverse resolution in an integrated inductive - deductive learning system. In B. Neumann, editor, *Proceedings of the 10th European Conference on Artificial Intelligence*, pages 456–457. John Wiley, 1992.

[7] H. Adé, L. De Raedt, and M. Bruynooghe. Révision de théorie: Approche logique. In *Actes des Journées Francophones sur l'Apprentissage*, 1993.

[8] H. Adé, L. De Raedt, and M. Bruynooghe. Theory revision. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 179–192. J. Stefan Institute, 1993.

[9] H. Adé, L. De Raedt, and M. Bruynooghe. Declarative Bias for Specific-to-General ILP Systems. *Machine Learning*, 20(1/2):119–154, 1995.

[10] H. Adé and M. Denecker. AILP: Abductive inductive logic programming. In C.S. Mellish, editor, *Proceedings of the 14th International Joint Conference on Artificial Intelligence*, pages 1201–1207. Morgan Kaufmann, 1995.

[11] H. Adé, B. Malfait, and L. De Raedt. RUTH: An ILP approach to theory revision. In *Proceedings of the 4th Belgian-Dutch Conference on Machine Learning*, pages 64–74, 1994.

[12] H. Adé, B. Malfait, and L. De Raedt. RUTH: An ILP theory revision system. In *Proceedings of the 8th International Symposium on Methodologies for Intelligent Systems*, number 869 in Lecture Notes in Artificial Intelligence, pages 336–345. Springer-Verlag, 1994.

[13] D.W. Aha. Relating relational learning algorithms. In S. Muggleton, editor, *Inductive Logic Programming*, pages 233–260. Academic Press, 1992.

[14] D.W. Aha, S. Lapointe, C.X. Ling, and S. Matwin. Inverting implication with small training sets. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 31–48. Springer-Verlag, 1994.

[15] D.W. Aha, S. Lapointe, C.X. Ling, and S. Matwin. Learning recursive relations with randomly selected small training sets. In W.W. Cohen and H. Hirsh, editors, *Proceedings of the 11th International Conference on Machine Learning*, pages 12–18. Morgan Kaufmann, 1994.

[16] D.W. Aha, C.X. Ling, S. Matwin, and S. Lapointe. Learning singly-recursive relations from small datasets. In F. Bergadano, L. De Raedt, S. Matwin, and S. Muggleton, editors, *Proceedings of the IJCAI-93 Workshop on Inductive Logic Programming*, pages 47–58. Morgan Kaufmann, 1993.

[17] K. Akama. A theory of predicate invention. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[18] Z. Alexin, T. Gyimóthy, and H. Boström. Integrating algorithmic debugging and unfolding transformation in an interactive learner. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 437–452. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[19] Z. Alexin, T. Gyimóthy, and H. Boström. Integrating algorithmic debugging and unfolding transformation in an interactive learner. In W. Wahlster, editor, *Proceedings of the 12th European Conference on Artificial Intelligence*, pages 403–407. John Wiley, 1996.

[20] K.M. Ali. *Learning Probabilistic Relational Concept Descriptions.* PhD thesis, Department of Information and Computer Science, University of California, Irvine, 1995.

[21] K.M. Ali and M.J. Pazzani. Hydra: A noise-tolerant relational concept learning algorithm. In R. Bajcsy, editor, *Proceedings of the 13th International Joint Conference on Artificial Intelligence*, pages 1064–1071. Morgan Kaufmann, 1993.

[22] A. Amin, C.P. Chen, C. Sammut, and K.C. Sum. Learning to recognise hand-printed Chinese characters using ILP. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 263–272. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[23] J. Arima. Automatic logic programming under highly redundant background knowledge. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 355–372. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[24] B. Bain, C. Sammut, A. Sharma, and J. Shepherd. ReDuce: Automatic structuring and compression in relational databases. In *Proceedings of the MLnet Familiarization Workshop on Data Mining with Inductive Logic Programing*, pages 41–52, 1996.

[25] M. Bain. Experiments in non-monotonic first-order induction. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 195–206, 1991.

[26] M. Bain. Experiments in non-monotonic leaning. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 380–384. Morgan Kaufmann, 1991.

[27] M. Bain. Experiments in non-monotonic first-order induction. In S. Muggleton, editor, *Inductive Logic Programming*, pages 423–436. Academic Press, 1992.

[28] M. Bain. Learning optimal KRK strategies. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[29] M. Bain and S. Muggleton. Non-monotonic learning. In J.E. Hayes-Michie and E. Tyugu, editors, *Machine Intelligence*, volume 12. Oxford University Press, 1991.

[30] M. Bain and S. Muggleton. Non-monotonic learning. In S. Muggleton, editor, *Inductive Logic Programming*, pages 145–161. Academic Press, 1992.

[31] M. Bain and S. Muggleton. Learning optimal chess strategies. In S. Muggleton, D. Michie, and K. Furukawa, editors, *Machine Intelligence*, volume 13. Oxford University Press, 1993.

[32] M. Bain and A. Srinivasan. Incremental inductive logic programming from large scale unstructured data. In *Machine Intelligence*, volume 14. Oxford University Press, 1994.

[33] R.B. Banerji. Learning theoretical terms. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 3–22, 1991.

[34] R.B. Banerji. Learning theoretical terms. In S. Muggleton, editor, *Inductive Logic Programming*, pages 93–112. Academic Press, 1992.

[35] S. Bell. Discovery and maintenance of functional dependencies by independencies. In *Proceedings of the Workshop on Knowledge Discovery in Databases*, pages 27–32. AAAI Press, 1995.

[36] S. Bell. Deciding distinctness of query result by discovered constraints. In *Practical Application of Constraint Technology*, pages 399–416. Practical Application Company, 1996.

[37] S. Bell and S. Weber. On the close logical relationship between FOIL and the frameworks of Helft and Plotkin. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 1–10. J. Stefan Institute, 1993.

[38] F. Bergadano. Test case generation by means of learning techniques. In *Proceedings of the ACM-SIGSOFT Conference*, 1993.

[39] F. Bergadano. Towards an inductive logic programming language. Technical Report ESPRIT project no. 6020 ILP Deliverable TO1, Computer Science Department, University of Torino, 1993.

[40] F. Bergadano, S. Brussoti, D. Gunetti, and U. Trinchero. Inductive test case generation. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 11–24. J. Stefan Institute, 1993.

[41] F. Bergadano and D. Gunetti. Functional inductive logic programming with queries to the user. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 323–328. Springer-Verlag, 1993.

[42] F. Bergadano and D. Gunetti. Inductive synthesis of logic programs and inductive logic programming. In Y. Deville, editor, *Proceedings of the 3rd International Workshop on Logic Program Synthesis and Transformation*, pages 45–56. Workshops in Computing, Springer-Verlag, 1993.

[43] F. Bergadano and D. Gunetti. An interactive system to learn functional logic programs. In R. Bajcsy, editor, *Proceedings of the 13th International Joint Conference on Artificial Intelligence*, pages 1044–1049. Morgan Kaufmann, 1993.

[44] F. Bergadano and D. Gunetti. Learning relations: Basing top-down methods on inverse resolution. In P. Torasso, editor, *Proceedings of the 3rd Congress of the Italian Association for Artificial Intelligence*, volume 728 of *Lecture Notes in Computer Science*, pages 190–201. Springer-Verlag, 1993.

[45] F. Bergadano and D. Gunetti. Learning clauses by tracing derivations. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 11–30. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[46] F. Bergadano and D. Gunetti. Learning relations and logic programs. *The Knowledge Engineering Review*, 9(1), 1994.

[47] F. Bergadano and D. Gunetti. *Inductive Logic Programming: From Machine Learning to Software Engineering.* The MIT Press, 1995.

[48] F. Bergadano, D. Gunetti, M. Nicosia, and G Ruffo. Learning logic programs with negation as failure. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 33–52. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[49] F. Bergadano, D. Gunetti, M. Nicosia, and G. Ruffo. Learning logic programs with negation as failure. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 107–123. IOS Press, 1996.

[50] F. Bergadano, D. Gunetti, and U. Trinchero. The difficulties of learning logic programs with cut. *Journal of Artificial Intelligence Research*, 1:91–107, 1993.

[51] G. Bisson. Conceptual clustering in a first-order logic representation. In B. Neumann, editor, *Proceedings of the 10th European Conference on Artificial Intelligence*, pages 458–462. John Wiley, 1992.

[52] G. Bisson. Learning in FOL with a similarity measure. In *Proceedings of the 10th National Conference on Artificial Intelligence*. Morgan Kaufmann, 1992.

[53] E. Bleken. Machine learning in an adventure game. Master's thesis, Department of Computer Science, Katholieke Universiteit Leuven, 1992.

[54] H. Blockeel. Natural language processing and inductive logic programming. Master's thesis, Department of Computer Science, Katholieke Universiteit Leuven, 1994.

[55] H. Blockeel and L. De Raedt. Inductive database design. In *Proceedings of the 10th International Symposium on Methodologies for Intelligent Systems*, volume 1079 of *Lecture Notes in Artificial Intelligence*, pages 376–385. Springer-Verlag, 1996.

[56] H. Blockeel and L. De Raedt. Relational knowledge discovery in databases. In *Proceedings of the MLnet Familiarization Workshop on Data Mining with Inductive Logic Programing*, pages 111–124, 1996.

[57] H. Blockeel and L. De Raedt. Relational knowledge discovery in databases. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 1–13. Stockholm University, Royal Institute of Technology, 1996.

[58] D. Bonne and A. Polley. An application of inductive logic programming in banking. Master's thesis, Department of Computer Science, Katholieke Universiteit Leuven, 1994. (In Dutch).

[59] H. Boström. *Explanation-Based Transformation of Logic Programs*. PhD thesis, Department of Computer and Systme Sciences, Stockholm University and Royal Institute of Technology, 1993.

[60] H. Boström. Improving example-guided unfolding. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 124–135. Springer-Verlag, 1993.

[61] H. Boström. Covering vs. divide-and-conquer for top-down induction of logic programs. In C.S. Mellish, editor, *Proceedings of the 14th International Joint Conference on Artificial Intelligence*, pages 1194–1200. Morgan Kaufmann, 1995.

[62] H. Boström. Specialization of recursive predicates. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 92–106. Springer-Verlag, 1995.

[63] H. Boström. Theory-guided induction of logic programs by inference of regular languages. In L. Saitta, editor, *Proceedings of the 13th International Conference on Machine Learning*, pages 46–53. Morgan Kaufmann, 1996.

[64] H. Boström and P. Idestam-Almquist. Specialization of logic programs by pruning SLD-trees. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 31–48. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[65] I. Bratko. Innovative design as learning from examples. In *Proceedings International Conference Design to Manufacture in Modern Industry*, pages 355–362, 1993.

[66] I. Bratko. Machine learning and qualitative reasoning. *Machine Learning*, 14(3):305–312, 1994.

[67] I. Bratko and S. Džeroski. Engineering applications of ILP. *New Generation Computing, Special issue on Inductive Logic Programming*, 13(3-4):313–333, 1995.

[68] I. Bratko and M. Grobelnik. Inductive learning applied to program construction and verification. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 279–292. J. Stefan Institute, 1993.

[69] I. Bratko and M. Grobelnik. Inductive learning applied to program construction and verification. In J. Cuena, editor, *Pattern-Directed Inference Systems*, pages 169–182. North-Holland, 1993.

[70] I. Bratko and R.D. King. Applications of inductive logic programming. *SIGART Bulletin*, 5(1):43–56, 1994.

[71] I. Bratko and S. Muggleton. Applications of inductive logic programming. *Communications of the ACM*, 1995.

[72] I. Bratko, S. Muggleton, and A. Varšek. Learning qualitative models of dynamic systems. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 207–224, 1991.

[73] I. Bratko, S. Muggleton, and A. Varšek. Learning qualitative models of dynamic systems. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 385–388. Morgan Kaufmann, 1991.

[74] I. Bratko, S. Muggleton, and A. Varšek. Learning qualitative models of dynamic systems. In S. Muggleton, editor, *Inductive Logic Programming*, pages 437–452. Academic Press, 1992.

[75] P. Brazdil and A. Jorge. Modular approach to ILP: Learning from interaction between modules. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[76] P. Brazdil and A. Jorge. Exploiting algorithm sketches in ILP. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 193–204. J. Stefan Institute, 1993.

[77] P. Brazdil and A. Jorge. Learning by refining algorithm sketches. In A.G. Cohn, editor, *Proceedings of the 11th European Conference on Artificial Intelligence*, pages 443–447. John Wiley, 1994.

[78] P. Brazdil and S. Muggleton. Learning to relate terms in a multiple agent environment. In Y. Kodratoff, editor, *Proceedings of the 5th European Working Session on Learning*, volume 482 of *Lecture Notes in Artificial Intelligence*, pages 424–439. Springer-Verlag, 1991.

[79] P. Brockhausen and K. Morik. Direct access of an ILP algorithm to a database management system. In *Proceedings of the MLnet Familiarization Workshop on Data Mining with Inductive Logic Programing*, pages 95–110, 1996.

[80] C.A. Brunk and M.J. Pazzani. An investigation of noise-tolerant relational concept learning algorithms. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 389–393. Morgan Kaufmann, 1991.

[81] W. Buntine. Induction of Horn-clauses: Methods and the plausible generalization algorithm. *International Journal of Man-Machine Studies*, 26:499–520, 1987.

[82] W. Buntine. Generalized subsumption and its application to induction and redundancy. *Artificial Intelligence*, 36:375–399, 1988.

[83] R. Camacho. Learning stage transition rules with Indlog. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 273–290. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[84] M.R. Cameron-Jones and J.R. Quinlan. Efficient top-down induction of logic programs. *SIGART Bulletin*, 5(1):33–42, 1994.

[85] R.M. Cameron-Jones and J.R. Quinlan. Avoiding pitfalls when learning recursive theories. In R. Bajcsy, editor, *Proceedings of the 13th International Joint Conference on Artificial Intelligence*, pages 1050–1057. Morgan Kaufmann, 1993.

[86] M. Champesme, P. Brézellec, and H. Soldano. Empirically conservative search space reductions. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 387–402. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[87] G. Chaouat. Towards an autonomous learning agent in an adventure game. Master's thesis, Department of Computer Science, Katholieke Universiteit Leuven, 1991.

[88] V. Coget. Learning evaluation functions in an adventure game. Master's thesis, Department of Computer Science, Katholieke Universiteit Leuven, 1993.

[89] W.W. Cohen. Compiling prior knowledge into an explicit bias. In D. Sleeman and P. Edwards, editors, *Proceedings of the 9th International Workshop on Machine Learning*, pages 102–110. Morgan Kaufmann, 1992.

[90] W.W. Cohen. Learnability of restricted logic programs. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 41–72. J. Stefan Institute, 1993.

[91] W.W. Cohen. PAC-learning a restricted class of recursive logic programs. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 73–86. J. Stefan Institute, 1993.

[92] W.W. Cohen. Rapid prototyping of ILP systems using explicit bias. In F. Bergadano, L. De Raedt, S. Matwin, and S. Muggleton, editors, *Proceedings of the IJCAI-93 Workshop on Inductive Logic Programming*, pages 24–35. Morgan Kaufmann, 1993.

[93] W.W. Cohen. Rule learning systems. In R. Bajcsy, editor, *Proceedings of the 13th International Joint Conference on Artificial Intelligence*, pages 988–994. Morgan Kaufmann, 1993.

[94] W.W. Cohen. Grammatically biased learning: Learning logic programs using an explicit antecedent description language. *Artificial Intelligence*, 68:303–366, 1994.

[95] W.W. Cohen. Recovering software specifications with ILP. In *Proceedings of the 12th National Conference on Artificial Intelligence*, pages 142–148. Morgan Kaufmann, 1994.

[96] W.W. Cohen. Learning to classify English text with ILP methods. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 3–24. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[97] W.W. Cohen. Learning to classify English text with ILP methods. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 124–143. IOS Press, 1996.

[98] W.W. Cohen and C.D. Page. Polynomial learnability and inductive logic programming: Methods and results. *New Generation Computing, Special issue on Inductive Logic Programming*, 13(3-4):369–410, 1995.

[99] D. Conklin and I.H. Witten. Complexity-based induction. *Machine Learning*, 16(3):203–226, 1994.

[100] A. Cornuejols. Getting order independence in incremental learning. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 196–212. Springer-Verlag, 1993.

[101] J. Cussens. Estimating rule accuracies from training data. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[102] P. Datta and D. Kibler. Concept sharing: A means to improve multi-concept learning. In P. Utgoff, editor, *Proceedings of the 10th International Conference on Machine Learning*, pages 89–96. Morgan Kaufmann, 1993.

[103] L. De Raedt. *Interactive Concept-Learning.* PhD thesis, Department of Computer Science, Katholieke Universiteit Leuven, 1991.

[104] L. De Raedt. Inductive logic programming: An introduction. In *Proceedings of the 14th International Conference on Information Technology Interfaces*, pages 17–22, 1992. (Invited paper).

[105] L. De Raedt. *Interactive Theory Revision: An Inductive Logic Programming Approach.* Academic Press, 1992.

[106] L. De Raedt. A brief introduction to inductive logic programming. In D. Miller, editor, *Proceedings of the 7th International Symposium on Logic Programming*, pages 45–51. The MIT Press, 1993.

[107] L. De Raedt. Inductive logic programming and scientific discovery. *Academia Analecta*, 57(2):101–128, 1995.

[108] L. De Raedt, editor. *Advances in Inductive Logic Programming.* IOS Press, 1996.

[109] L. De Raedt. Induction in logic. In *Proceedings of the 3nd International Workshop on Multistrategy Learning*, pages 29–38. AAAI Press, 1996.

[110] L. De Raedt. The inductive logic programming project. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 3–13. IOS Press, 1996.

[111] L. De Raedt. PAC-learning logic programs under the closed world assumption. In *Proceedings of the 10th International Symposium on Methodologies for Intelligent Systems*, volume 1079 of *Lecture Notes in Artificial Intelligence*, pages 531–540. Springer-Verlag, 1996.

[112] L. De Raedt, E. Bleken, V. Coget, C. Ghil, B. Swennen, and M. Bruynooghe. Learning to survive. In *Proceedings of the 2nd International Workshop on Multistrategy Learning*, pages 92–106, 1993.

[113] L. De Raedt and M. Bruynooghe. On interactive concept-learning and assimilation. In D. Sleeman, editor, *Proceedings of the 3rd European Working Session on Learning.* Pitman, 1988.

[114] L. De Raedt and M. Bruynooghe. Constructive induction by analogy. In *Proceedings of the 6th International Workshop on Machine Learning*, pages 476–477. Morgan Kaufmann, 1989.

[115] L. De Raedt and M. Bruynooghe. Constructive induction by analogy: A method to learn how to learn? In K. Morik, editor, *Proceedings of the 4th European Working Session on Learning*, pages 189–200. Pitman, 1989.

[116] L. De Raedt and M. Bruynooghe. On explanation and bias in inductive concept-learning. In *Proceedings of the 3rd European Knowledge Acquisition for Knowledge Based Systems Workshop*, pages 338–353, 1989.

[117] L. De Raedt and M. Bruynooghe. Towards friendly concept-learners. In *Proceedings of the 11th International Joint Conference on Artificial Intelligence*, pages 849–856. Morgan Kaufmann, 1989.

[118] L. De Raedt and M. Bruynooghe. Indirect relevance and bias in inductive concept-learning. *Knowledge Acquisition*, 2:365–390, 1990.

[119] L. De Raedt and M. Bruynooghe. Interactief leren van concepten: Een overzicht. In *Proceedings of the 3rd Dutch AI Conference*, 1990. (In Dutch).

[120] L. De Raedt and M. Bruynooghe. On negation and three-valued logic in interactive concept-learning. In L.C. Aiello, editor, *Proceedings of the 9th European Conference on Artificial Intelligence*, pages 207–212. Pitman, 1990.

[121] L. De Raedt and M. Bruynooghe. Using interactive concept-learning for knowledge base validation, verification and testing. In *Proceedings of the ECAI-90 Workshop on Validation, Verification and Testing of Knowledge-Based Systems*, 1990.

[122] L. De Raedt and M. Bruynooghe. CLINT: A multistrategy interactive concept-learner and theory revision system. In *Proceedings of the 1st International Workshop on Multistrategy Learning*, pages 175–191, 1991.

[123] L. De Raedt and M. Bruynooghe. Belief updating from integrity constraints and queries. *Artificial Intelligence*, 53:291–307, 1992.

[124] L. De Raedt and M. Bruynooghe. A clausal discovery engine. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992. (Extended abstract).

[125] L. De Raedt and M. Bruynooghe. A clausal discovery engine. In *Proceedings of the 6th International School for the Synthesis of Expert Knowledge*, 1992. (Extended abstract).

[126] L. De Raedt and M. Bruynooghe. Discovering clausal theories in databases. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[127] L. De Raedt and M. Bruynooghe. Discovering integrity constraints in deductive databases. In *Proceedings of the 1st Esprit Compulog Network Workshop on Logic Programming and Artficial Intelligence*, 1992. (Extended abstract).

[128] L. De Raedt and M. Bruynooghe. Interactive concept learning and constructive induction by analogy. *Machine Learning*, 8(2):107–150, 1992.

[129] L. De Raedt and M. Bruynooghe. An overview of the interactive concept-learner and theory revisor CLINT. In S. Muggleton, editor, *Inductive Logic Programming*, pages 163–192. Academic Press, 1992.

[130] L. De Raedt and M. Bruynooghe. A unifying framework for concept-learning algorithms. *The Knowledge Engineering Review*, 7(3):251–269, 1992.

[131] L. De Raedt and M. Bruynooghe. A theory of clausal discovery. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 25–40. J. Stefan Institute, 1993.

[132] L. De Raedt and M. Bruynooghe. A theory of clausal discovery. In R. Bajcsy, editor, *Proceedings of the 13th International Joint Conference on Artificial Intelligence*, pages 1058–1063. Morgan Kaufmann, 1993.

[133] L. De Raedt and M. Bruynooghe. Interactive theory revision. In R.S. Michalski and G. Tecuci, editors, *Machine Learning: A Multistrategy Approach*, volume 4. Morgan Kaufmann, 1994.

[134] L. De Raedt, M. Bruynooghe, and B. Martens. Integrity constraints and interactive concept-learning. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 394–398. Morgan Kaufmann, 1991.

[135] L. De Raedt and L. Dehaspe. Clausal discovery. *Machine Learning*, 1996. (To appear).

[136] L. De Raedt and S. Džeroski. First-order jk-clausal theories are PAC-learnable. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 49–50. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994. (Abstract).

[137] L. De Raedt and S. Džeroski. First order jk-clausal theories are PAC-learnable. *Artificial Intelligence*, 70:375–392, 1994.

[138] L. De Raedt, J. Feyaerts, and M. Bruynooghe. Acquiring object-knowledge for learning systems. In Y. Kodratoff, editor, *Proceedings of the 5th European Working Session on Learning*, volume 482 of *Lecture Notes in Artificial Intelligence*, pages 245–264. Springer-Verlag, 1991.

[139] L. De Raedt, J. Feyaerts, and M. Bruynooghe. Acquiring object-knowledge. *Journal of Experimental and Theoretical Artificial Intelligence*, 4:213–232, 1992.

[140] L. De Raedt, B. Krekels, M. Bruynooghe, and D. Van Meir. Using Shapiro's model inference system for concept-learning. In *Proceedings of the 4th International Conference on Artificial Intelligence and Control Systems of Robots*, pages 191–196, 1987.

[141] L. De Raedt and N. Lavrač. The many faces of inductive logic programming. In J. Komorowski and Z.W. Raś, editors, *Proceedings of the 7th International Symposium on Methodologies for Intelligent Systems*, volume 689 of *Lecture Notes in Artificial Intelligence*, pages 435–449. Springer-Verlag, 1993. (Invited paper).

[142] L. De Raedt and N. Lavrač. Multiple predicate learning in two inductive logic programming settings. *Journal on Pure and Applied Logic*, 4(2):227–254, 1996.

[143] L. De Raedt, N. Lavrač, and S. Džeroski. Multiple predicate learning. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 221–240. J. Stefan Institute, 1993.

[144] L. De Raedt, N. Lavrač, and S. Džeroski. Multiple predicate learning. In R. Bajcsy, editor, *Proceedings of the 13th International Joint Conference on Artificial Intelligence*, pages 1037–1043. Morgan Kaufmann, 1993.

[145] L. De Raedt, G. Sablon, and M. Bruynooghe. Using interactive concept-learning for knowledge base validation and verification. In M. Ayel and J.P. Laurent, editors, *Validation, Verification and Testing of Knowledge Based Systems*, pages 177–190. John Wiley, 1991.

[146] L. De Raedt and W. Van Laer. Inductive constraint logic. In *Proceedings of the 5th Conference on Algorithmic Learning Theory*, volume 997 of *Lecture Notes in Artificial Intelligence*. Springer-Verlag, 1995.

[147] L. Dehaspe, H. Blockeel, and L. De Raedt. Induction, logic and natural language processing. In *Proceedings of the joint ELSNET/COMPULOG-NET/EAGLES Workshop on Computational Logic for Natural Language Processing*, 1995.

[148] L. Dehaspe and L. De Raedt. Parallel inductive logic programming. In *Proceedings of the MLnet Familiarization Workshop on Statistics, Machine Learning and Knowledge Discovery in Databases*, 1995.

[149] L. Dehaspe and L. De Raedt. DLAB: A declarative language bias formalism. In *Proceedings of the 10th International Symposium on Methodologies for Intelligent Systems*, volume 1079 of *Lecture Notes in Artificial Intelligence*, pages 613–622. Springer-Verlag, 1996.

[150] L. Dehaspe, L. De Raedt, and W. Van Laer. CLAUDIEN: User's manual. Technical report, Department of Computer Science, Katholieke Universiteit Leuven, 1994.

[151] L. Dehaspe, W. Van Laer, and L. De Raedt. Applications of a logical discovery engine. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 291–304. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[152] T.G. Dietterich and R.S. Michalski. Learning to predict sequences. In R.S. Michalski, J.G. Carbonell, and T.M. Mitchell, editors, *Machine learning: An artificial intelligence approach*, volume 2. Morgan Kaufmann, 1986.

[153] Y. Dimopoulos and A. Kakas. Learning non-monotonic logic programs: Learning exceptions. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 122–137. Springer-Verlag, 1995.

[154] Y. Dimopoulos and A. Kakas. Abduction and inductive learning. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 144–171. IOS Press, 1996.

[155] B. Dolšak. Constructing finite element meshes using artificial intelligence methods. Master's thesis, Faculty of Technical Sciences, University of Maribor, Slovenia, 1991. (In Slovenian).

[156] B. Dolšak. *A contribution to Intelligent Mesh Design for FEM Analyses*. PhD thesis, Faculty of Technical Sciences, University of Maribor, Slovenia, 1996. (In Slovenian).

[157] B. Dolšak, I. Bratko, and A. Jezernik. Finite element mesh design: An engineering domain for ILP application. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 305–320. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[158] B. Dolšak, A. Jezernik, and I. Bratko. A knowledge base for finite element mesh design. In *Proceedings of the 6th International School for the Synthesis of Expert Knowledge*, 1992.

[159] B. Dolšak and S. Muggleton. The application of ILP to finite element mesh design. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 225–242, 1991.

[160] B. Dolšak and S. Muggleton. The application of inductive logic programming to finite-element mesh design. In S. Muggleton, editor, *Inductive Logic Programming*, pages 453–472. Academic Press, 1992.

[161] M.J. Dovey. Analysis of Rachmaninoff's piano performances using inductive logic programming. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 279–282. Springer-Verlag, 1995.

[162] S. Džeroski. Handling noise in inductive logic programming. Master's thesis, Faculty of Electrical Engineering and Computer Science, University of Ljubljana, 1991.

[163] S. Džeroski. Learning qualitative models with inductive logic programming. *Informatica*, 16(4):30–41, 1992.

[164] S. Džeroski. Handling imperfect data in inductive logic programming. In *Proceedings of the 4th Scandinavian Conference on Artificial Intelligence*, pages 111–125. IOS Press, 1993.

[165] S. Džeroski. Inductive logic programming and knowledge discovery in databases. In U. Fayyad, G. Piatetsky-Shapiro, P. Smyth, and R. Uthurusamy, editors, *Advances in Knowledge Discovery and Data Mining*, pages 118–152. The MIT Press, 1995.

[166] S. Džeroski. Learning first-order clausal theories in the presence of noise. In A. Aamodt and J. Komorowski, editors, *Proceedings of the 5th Scandinavian Conference on Artificial Intelligence*, pages 51–60. IOS, Amsterdam, 1995.

[167] S. Džeroski. *Numerical constraints and learnability in inductive logic programming.* PhD thesis, Faculty of Electrical Engineering and Computer Science, University of Ljubljana, Ljubljana, Slovenia, 1995.

[168] S. Džeroski and I. Bratko. Handling noise in inductive logic programming. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[169] S. Džeroski and I. Bratko. Using the m-estimate in inductive logic programming. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[170] S. Džeroski and I. Bratko. Applications of inductive logic programming. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 65–81. IOS Press, 1996.

[171] S. Džeroski, L. Dehaspe, B. Ruck, and W. Walley. Classification of river water quality data using machine learning. In *Proceedings of the 5th International Conference on the Development and Application of Computer Techniques to Environmental Studies*, 1995.

[172] S. Džeroski and B. Dolšak. A comparison of relation learning algorithms on the problem of finite element mesh design. In *Proceedings of the 26th Yugoslav Conference of the Society for ETAN*, 1991. In Slovenian.

[173] S. Džeroski and B. Dolšak. Comparison of ILP systems on the problem of finite element mesh design. In *Proceedings of the 6th International School for the Synthesis of Expert Knowledge*, 1992.

[174] S. Džeroski and N. Lavrač. Learning relations from imperfect data. Technical Report IJS-DP-6163, Jožef Stefan Institute, 1991.

[175] S. Džeroski and N. Lavrač. Learning relations from noisy examples: An empirical comparison of LINUS and FOIL. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 399–402. Morgan Kaufmann, 1991.

[176] S. Džeroski and N. Lavrač. Refinement graphs for FOIL and LINUS. In S. Muggleton, editor, *Inductive Logic Programming*, pages 319–334. Academic Press, 1992.

[177] S. Džeroski and N. Lavrač. Inductive learning in deductive databases. *IEEE Transactions on Knowledge and Data Engineering*, 5(6):939–949, 1993.

[178] S. Džeroski, S. Muggleton, and S. Russel. Learnability of constrained logic programs. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 342–347. Springer-Verlag, 1993.

[179] S. Džeroski, S. Muggleton, and S. Russell. PAC-learnability of constrained nonrecursive logic programs. In *Proceedings of the 3rd International Workshop on Computational Learning Theory and Natural Learning Systems*, 1992.

[180] S. Džeroski, S. Muggleton, and S. Russell. PAC-learnability of determinate logic programs. In *Proceedings of the 5th ACM Workshop on Computational Learning Theory*, pages 128–135. ACM Press, 1992.

[181] S. Džeroski, S. Schulze-Kremer, K.R. Heidtke, K. Siems, and D. Wettschereck. Applying ILP to diterpene structure elucidation from ^{13}C NMR spectra. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 14–27. Stockholm University, Royal Institute of Technology, 1996.

[182] S. Džeroski, S. Schulze-Kremer, R.K. Heidtke, K. Siems, and D. Wettschereck. Applying ILP to diterpene structure elucidation from ^{13}C NMR spectra. In *Proceedings of the MLnet Familiarization Workshop on Data Mining with Inductive Logic Programing*, pages 12–24, 1996.

[183] S. Džeroski, L. Todoroski, and T. Urbančič. Handling real numbers in inductive logic programming: A step towards better behavioural clones. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 283–286. Springer-Verlag, 1995.

[184] S. Džeroski and L. Todorovski. Discovering dynamics. In *Proceedings of the AAAI-93 Workshop on Knowledge Discovery in Databases*, pages 125–137. AAAI Press, 1993.

[185] S. Džeroski and L. Todorovski. Discovering dynamics: From inductive logic programming to machine discovery. In *Proceedings of the 10th International Conference on Machine Learning*, pages 97–103. Morgan Kaufmann, 1993.

[186] S. Džeroski and L. Todorovski. Discovery dynamics: From inductive logic programming to machine discovery. In F. Bergadano, L. De Raedt, S. Matwin, and S. Muggleton, editors, *Proceedings of the IJCAI-93 Workshop on Inductive Logic Programming*, pages 1–13. Morgan Kaufmann, 1993.

[187] S. Džeroski and L. Todorovski. Handling real numbers in inductive logic programming. In *Proceedings of the 3rd Electrotechnical and Computer Science Conference*, volume B, pages 143–146. Slovenian Section IEEE, Ljubljana, 1994.

[188] S. Džeroski and L. Todorovski. Discovering dynamics: From inductive logic programming to machine discovery. *Journal of Intelligent Information Systems*, 4:89–108, 1995.

[189] W. Emde. Inductive learning of characteristic concept descriptions. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 51–70. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[190] W. Emde. Inductive learning of characteristic concept descriptions from small sets to classified examples. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 103–121. Springer-Verlag, 1994.

[191] W. Emde and D. Wettschereck. Relational instance-based learning. In *Fachgruppentreffen der Fachgruppe Machinelles Lernen der GI, FGML'95*. University of Dortmund, 1995.

[192] W. Emde and D. Wettschereck. Relational instance-based learning. In L. Saitta, editor, *Proceedings of the 13th International Conference on Machine Learning*, pages 122–130. Morgan Kaufmann, 1996.

[193] F. Esposito, A. Laterza, D. Malerba, and G. Semeraro. Refinement of Datalog programs. In *Proceedings of the MLnet Familiarization Workshop on Data Mining with Inductive Logic Programing*, pages 73–94, 1996.

[194] F. Esposito, D. Malerba, and G. Semeraro. Automated acquisition of rules for document understanding. In *Proceedings of the 2nd International Conference on Document Analysis and Recognition*, pages 650–654, 1993.

[195] F. Esposito, D. Malerba, and G. Semeraro. Learning contextual rules in first-order logic. In *Proceedings of the 4th Italian Workshop on Machine Learning*, pages 111–127, 1993.

[196] F. Esposito, D. Malerba, and G. Semeraro. Multistrategy learning for document recognition. *Applied Artificial Intelligence*, 8:33–84, 1994.

[197] C. Feng. Inducing temporal fault diagnostic rules from a qualitative model. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 243–258, 1991.

[198] C. Feng. Inducing temporal fault diagnostic rules from a qualitative model. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 403–406. Morgan Kaufmann, 1991.

[199] C. Feng. Inducing temporal fault diagnostic rules from a qualitative model. In S. Muggleton, editor, *Inductive Logic Programming*, pages 473–494. Academic Press, 1992.

[200] C. Feng and S. Muggleton. Towards inductive generalization in higher order logic. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[201] C. Feng and S. Muggleton. Towards inductive generalization in higher order logic. In D. Sleeman and P. Edwards, editors, *Proceedings of the 9th International Workshop on Machine Learning*, pages 154–162. Morgan Kaufmann, 1992.

[202] D. Fensel, M. Zickwolff, and M. Wiese. Are substitutions the better examples? Learning complete sets of clauses with Frog. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 453–474. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[203] P.A. Flach. Inductive characterisation of database relations. In Z.W. Raś, M. Zemankova, and M.L. Emrich, editors, *Proceedings of the 4th International Symposium on Methodologies for Intelligent Systems*, volume 5, pages 371–378. North-Holland, 1990.

[204] P.A. Flach. Towards a logical theory of inductive learning. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 23–32, 1991.

[205] P.A. Flach. Towards a theory of inductive logic programming. In Z.W. Raś and M. Zemankowa, editors, *Proceedings of the 5th International Symposium on Methodologies for Intelligent Systems*, volume 542 of *Lecture Notes in Artificial Intelligence*, pages 510–519. Springer-Verlag, 1991.

[206] P.A. Flach. An analysis of various forms of 'jumping to conclusions'. In K. Jantke, editor, *Proceedings 3rd International Workshop on Analogical and Inductive Inference*, volume 642 of *Lecture Notes in Artificial Intelligence*, pages 170–186. Springer-Verlag, 1992.

[207] P.A. Flach. A framework for inductive logic programming. In S. Muggleton, editor, *Inductive Logic Programming*, pages 193–212. Academic Press, 1992.

[208] P.A. Flach. Generality revisited. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[209] P.A. Flach. Logical approaches to machine learning - An overview. *THINK*, 1(2):25–36, 1992.

[210] P.A. Flach. Predicate invention in inductive data engineering. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 83–94. Springer-Verlag, 1993.

[211] P.A. Flach. Inductive logic programming and philosophy of science. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 71–84. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[212] P.A. Flach. A model of inductive reasoning. In M. Masuch and L. Polos, editors, *Knowledge Representation and Reasoning under Uncertainty*, volume 808 of *Lecture Notes in Artificial Intelligence*, pages 41–56. Springer-Verlag, 1994.

[213] P.A. Flach. *Simply Logical: Intelligent Reasoning by Example.* John Wiley, 1994.

[214] P.A. Flach. *Conjectures: An Inquiry Concerning the Logic of Induction.* PhD thesis, Katholieke Universiteit Brabant, 1995.

[215] P.A. Flach. Abduction and induction: inferential and syllogistic perspectives. In P.A. Flach and A. Kakas, editors, *Proceedings of the ECAI-96 Workshop on Abductive and Inductive Reasoning*, pages 31–35, 1996.

[216] P.A. Flach. Rationality postulates for induction. In Y. Shoham, editor, *Proceedings of the 6th Conference on Theoretical Aspects of Rationality and Knowledge*, pages 267–281. Morgan Kaufmann, 1996.

[217] P. Flener. *Logic Program Synthesis from Incomplete Information*, volume 295 of *The Kluwer International Series in Engineering and Computer Science.* Kluwer Academic Publishers, 1994.

[218] P. Flener. Inductive logic program synthesis with Dialogs. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 28–51. Stockholm University, Royal Institute of Technology, 1996.

[219] M. Franova, Y. Kodratoff, and M. Gross. Constructive matching methodology: Formally creative or intelligent inductive theorem proving? In J. Komorowski and Z.W. Raś, editors, *Proceedings of the 7th International Symposium on Methodologies for Intelligent Systems*, volume 689 of *Lecture Notes in Artificial Intelligence*, pages 476–485. Springer-Verlag, 1993.

[220] M. Frazier and C.D. Page. Learnability in inductive logic programming: Some basic results and technique. In *Proceedings of the 11th National Conference on Artificial Intelligence*, pages 93–98. Morgan Kaufmann, 1993.

[221] M. Frazier and C.D. Page. Learnability of recursive, non-determinate theories: Some basic results and techniques. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 103–126. J. Stefan Institute, 1993.

[222] A.M. Frisch and C.D. Page. Building theories into instantiation. In C.S. Mellish, editor, *Proceedings of the 14th International Joint Conference on Artificial Intelligence*, pages 1210–1216. Morgan Kaufmann, 1995.

[223] H. Fujita, N. Yagi, T. Ozaki, and K. Furukawa. A new design and implementation of Progol by bottom-up computation. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 52–58. Stockholm University, Royal Institute of Technology, 1996.

[224] J. Fürnkranz. Avoiding noise fitting in a FOIL-like learning algorithm. In F. Bergadano, L. De Raedt, S. Matwin, and S. Muggleton, editors, *Proceedings of the IJCAI-93 Workshop on Inductive Logic Programming*, pages 14–23. Morgan Kaufmann, 1993.

[225] J. Fürnkranz. A comparison of pruning methods for relational concept learning. In *Proceedings of the AAAI-94 Workshop on Knowledge Discovery in Databases*, 1994.

[226] J. Fürnkranz. *Efficient Pruning Methods for Relational Learning.* PhD thesis, Technical University of Vienna, 1994.

[227] J. Fürnkranz. Fossil: A robust relational learner. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 122–137. Springer-Verlag, 1994.

[228] J. Fürnkranz. Pruning methods for rule learning algorithms. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 321–336. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[229] J. Fürnkranz. Top-down pruning in relational learning. In A.G. Cohn, editor, *Proceedings of the 11th European Conference on Artificial Intelligence*, pages 453–457. John Wiley, 1994.

[230] J. Fürnkranz. A tight integration of pruning and learning. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 291–294. Springer-Verlag, 1995.

[231] J. Fürnkranz and G. Widmer. Incremental reduced error pruning. In W.W. Cohen and H. Hirsh, editors, *Proceedings of the 11th International Conference on Machine Learning*, pages 70–77. Morgan Kaufmann, 1994.

[232] D. Gabbay, D. Gilles, A. Hunter, S. Muggleton, Y. Ng, and B. Richards. The rule-based systems project. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 95–106, 1991.

[233] D. Gabbay, D. Gillies, A. Hunter, S. Muggleton, Y. Ng, and B. Richards. The rule-based systems project: Using confirmation theory and non-monotonic logics for incremental learning. In S. Muggleton, editor, *Inductive Logic Programming*, pages 213–230. Academic Press, 1992.

[234] D. Gamberger and N. Lavrač. Noise detection and elimination applied to noise handling in a KRK chess endgame. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 59–75. Stockholm University, Royal Institute of Technology, 1996.

[235] P. Geibel and F. Wysotzki. Learning context dependent concepts. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 323–337. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[236] P. Geibl and F. Wysotzki. Learning relational concepts with decision trees. In L. Saitta, editor, *Proceedings of the 13th International Conference on Machine Learning*, pages 166–174. Morgan Kaufmann, 1996.

[237] P. Geibl and F. Wysotzki. Relational learning with decision trees. In W. Wahlster, editor, *Proceedings of the 12th European Conference on Artificial Intelligence*, pages 428–432. John Wiley, 1996.

[238] R. Gennaro. PAC-learning Prolog clauses with or without errors. Technical Report 500, Laboratory for Computer Science, MIT, 1995.

[239] D. Gillies. Confirmation theory and machine learning. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[240] A. Giordana and F. Neri. Search-intensive concept induction. *Evolutionary Computation Journal*, 3(4):375–416, 1996.

[241] A. Giordana, L. Saitta, and D. Roverso. Abstracting concepts with inverse resolution. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 142–146. Morgan Kaufmann, 1991.

[242] A. Giordana and C. Sale. Learning structured concepts using genetic algorithms. In D. Sleeman and P. Edwards, editors, *Proceedings of the 9th International Workshop on Machine Learning*, pages 169–178. Morgan Kaufmann, 1992.

[243] M-E. Goncalves. Handling quantifiers in ILP. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 76–96. Stockholm University, Royal Institute of Technology, 1996.

[244] M. Grobelnik. MARKUS: An optimized model inference system. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[245] M. Grobelnik. Induction of Prolog programs with MARKUS. In Y. Deville, editor, *Proceedings of the 3rd International Workshop on Logic Program Synthesis and Transformation*. Workshops in Computing, Springer-Verlag, 1993.

[246] D. Gunetti. Using abduction to learn Horn theories. In G. della Riccia, R. Kruse, and R. Viertl, editors, *Proceedings of the Workshop on Mathematical and Statistical Methods in Artificial Intelligence*, Lecture Notes in Computer Science, pages 131–146. Springer-Verlag, 1995.

[247] D. Gunetti and U. Trinchero. Intensional learning of logic programs. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 359–362. Springer-Verlag, 1994.

[248] T. Gyimóthy and J. Paakki. Static slicing of logic programs. In M. Ducasse, editor, *Proceedings of AADEBUG'95*, pages 87–105. IRISA/INSA France, 1995.

[249] A. Hamfelt and J.F. Nilsson. Inductive metalogic programming. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 85–96. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[250] M. Harao. Abstraction based analogical reasoning for natural deduction proof. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[251] N. Helft. Induction as nonmonotonic inference. In *Proceedings of the 1st International Conference on Principles of Knowledge Representation and Reasoning*, pages 149–156. Morgan Kaufmann, 1989.

[252] E. Hirowatari and S. Arikawa. Explanation-based generalization by analogical reasoning. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[253] T. Horváth, R. Sloan, and G. Turán. Learning logic programs with random classification noise. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 97–118. Stockholm University, Royal Institute of Technology, 1996.

[254] T. Horváth and G. Turán. Learning logic programs with structured background knowledge. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 53–76. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[255] T. Horváth and G. Turán. Learning logic programs with structured background knowledge. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 172–191. IOS Press, 1996.

[256] D. Hume. Learning procedures by environment-driven constructive induction. In B. Porter and R.J. Mooney, editors, *Proceedings of the 7th International Conference on Machine Learning*, pages 113–121. Morgan Kaufmann, 1990.

[257] D. Hume. Using inverse resolution to learn relations from experiments. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 412–416. Morgan Kaufmann, 1991.

[258] D. Hume and C. Sammut. Applying inductive logic programming in reactive environments. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 279–290, 1991.

[259] D. Hume and C. Sammut. Using inverse resolution to learn relations from experiments. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 412–416. Morgan Kaufmann, 1991.

[260] D. Hume and C. Sammut. Applying inductive logic programming in reactive environments. In S. Muggleton, editor, *Inductive Logic Programming*, pages 539–549. Academic Press, 1992.

[261] P. Idestam-Almquist. Learning missing clauses by inverse resolution. In *Proceedings of the International Conference on Fifth Generation Computer Systems*, 1992.

[262] P. Idestam-Almquist. *Generalization of clauses.* PhD thesis, Stockholm University, Department of Computer and Systems Sciences, 1993.

[263] P. Idestam-Almquist. Generalization under implication by recursive anti-unification. In P. Utgoff, editor, *Proceedings of the 10th International Conference on Machine Learning*, pages 151–158. Morgan Kaufmann, 1993.

[264] P. Idestam-Almquist. Generalization under implication by using or-introduction. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 56–64. Springer-Verlag, 1993.

[265] P. Idestam-Almquist. Recursive anti-unification. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 241–254. J. Stefan Institute, 1993.

[266] P. Idestam-Almquist. Efficient induction of recursive definitions by structural analysis of saturations. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 77–94. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[267] P. Idestam-Almquist. Efficient induction of recursive definitions by structural analysis of saturations. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 192–205. IOS Press, 1996.

[268] N. Inuzuka, M. Kamo, N. Ishii, H. Seki, and H. Itoh. Top-down induction of logic programs from incomplete samples. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 119–136. Stockholm University, Royal Institute of Technology, 1996.

[269] C.G. Jansson, H. Boström, and P. Idestam-Almquist. Theory revision in a logic programming framework. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[270] K. Jantke. Fundamental properties of inductive reasoning. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[271] A. Jorge and P. Brazdil. Architecture for iterative learning of recursive definitions. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 95–108. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[272] A. Jorge and P. Brazdil. Learning recursion with iterative bootstrap induction. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 299–302. Springer-Verlag, 1995.

[273] A. Jorge and P. Brazdil. Architecture for iterative learning of recursive definitions. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 206–218. IOS Press, 1996.

[274] A. Jorge and P. Brazdil. Integrity constraints in ILP using a Monte Carlo approach. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 137–151. Stockholm University, Royal Institute of Technology, 1996.

[275] B. Jung. On inverting generality relations. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 87–102. J. Stefan Institute, 1993.

[276] A. Kakas. Abduction and inductive learning. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 25–28. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[277] A. Karalič. Relational regression: First steps. Technical Report IJS-DP-7001, Jožef Stefan Institute, Ljubljana, 1994.

[278] A. Karalič. *First order regression*. PhD thesis, Faculty of Electrical Engineering and Computer Science, University of Ljubljana, Ljubljana, Slovenia, 1995.

[279] A. Karalič. First-order regression: Applications in real-world domains. In *Proceedings of the 2nd International Workshop on Artificial Intelligence Techniques*, 1995.

[280] T. Kawamura and K. Furukawa. Towards inductive generalization in constraint logic programs. In F. Bergadano, L. De Raedt, S. Matwin, and S. Muggleton, editors, *Proceedings of the IJCAI-93 Workshop on Inductive Logic Programming*, pages 93–104. Morgan Kaufmann, 1993.

[281] J-U. Kietz. A comparative study of structural most specific generalizations used in machine learning. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[282] J-U. Kietz. A comparative study of structural most specific generalizations used in machine learning. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 149–164. J. Stefan Institute, 1993.

[283] J-U. Kietz. Some lower bounds for the computational complexity of inductive logic programming. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 115–123. Springer-Verlag, 1993.

[284] J-U. Kietz and S. Džeroski. Inductive logic programming and learnability. *SIGART Bulletin*, 5(1):22–32, 1994.

[285] J-U. Kietz and M. Lübbe. An efficient subsumption algorithm for inductive logic programming. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 97–106. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[286] J-U. Kietz and M. Lübbe. An efficient subsumption algorithm for inductive logic programming. In W.W. Cohen and H. Hirsh, editors, *Proceedings of the 11th International Conference on Machine Learning*, pages 130–138. Morgan Kaufmann, 1994.

[287] J-U. Kietz and K. Morik. A polynomial approach to the constructive induction of structural knowledge. *Machine Learning*, 14(2):193–218, 1994.

[288] J-U. Kietz and S. Wrobel. Controlling the complexity of learning in logic through syntactic and task-oriented models. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 107–126, 1991.

[289] J-U. Kietz and S. Wrobel. Controlling the complexity of learning in logic through syntactic and task-oriented models. In S. Muggleton, editor, *Inductive Logic Programming*, pages 335–359. Academic Press, 1992.

[290] B. Kijsirikul, M. Numao, and M. Shimura. Efficient learning of logic programs with non-determinate, non-discriminating literals. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 33–40, 1991.

[291] B. Kijsirikul, M. Numao, and M. Shimura. Efficient learning of logic programs with non-determinante, non-discriminating literals. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 417–421. Morgan Kaufmann, 1991.

[292] B. Kijsirikul, M. Numao, and M. Shimura. Discrimination-based constructive induction of logic programs. In *Proceedings of the 10th National Conference on Artificial Intelligence*. Morgan Kaufmann, 1992.

[293] B. Kijsirikul, M. Numao, and M. Shimura. Efficient learning of logic programs with non-determinate, non-discriminating literals. In S. Muggleton, editor, *Inductive Logic Programming*, pages 361–372. Academic Press, 1992.

[294] R.D. King, S. Muggleton, R. Lewis, and M.J.E Sternberg. Drug design by machine learning. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[295] R.D. King, S. Muggleton, R. Lewis, and M.J.E Sternberg. Drug design by machine learning: The use of inductive logic programming to model the structure-activity relationships of trimethoprim analogues binding to dihydrofolate reductase. *Proceedings of the National Academy of Sciences of the USA*, 89(23):11322–11326, 1992.

[296] R.D. King, S. Muggleton, A. Srinivasan, and M.J.E. Sternberg. Structure-activity relationships derived by machine learning: The use of atoms and their bond connectivities to predict mutagenicity by inductive logic programming. *Proceedings of the National Academy of Sciences*, 93:438–442, 1996.

[297] R.D. King and A. Srinivasan. Relating chemical activity to structure: An examination of ILP successes. *New Generation Computing, Special issue on Inductive Logic Programming*, 13(3-4):411–434, 1995.

[298] M. Kirschenbaum and L.S. Sterling. Refinement strategies for inductive learning of simple Prolog programs. In J. Mylopoulos and R. Reiter, editors, *Proceedings of the 12th International Joint Conference on Artificial Intelligence*. Morgan Kaufmann, 1991.

[299] V. Klingspor. GRDT: Enhancing model-based learning for its application in robot navigation. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 107–122. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[300] V. Klingspor, K. Morik, and A. Rieger. Learning concepts from sensor data of a mobile robot. *Machine Learning*, 23:305–332, 1996.

[301] G. Koch. A personal approach to linguistics oriented inductive logic programming. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[302] G. Kókai, Z. Alexin, and T. Gyimóthy. Classifying ECG waveforms in Prolog. In P. Reintjes, editor, *Proceedings of the 4th International Conference on the Practical Application of Prolog*, pages 173–199. Practical Application Company Limited, 1996.

[303] G. Kókai, Z. Alexin, and T. Gyimóthy. Learning biomedical patterns. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 152–170. Stockholm University, Royal Institute of Technology, 1996.

[304] M. Kovačič. MDL heuristic in ILP revised. In *ICML94 Workshop on Applications of Descriptional Complexity to Inductive, Statistical, and Visual Inference*, 1994.

[305] M. Kovačič. MILP - A stochastic approach to inductive logic programming. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 123–138. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[306] M. Kovačič. *Stochastic Inductive Logic Programming*. PhD thesis, Faculty of Electrical Engineering and Computer Science, University of Ljubljana, Ljubljana, Slovenia, 1994.

[307] M. Kovačič, N. Lavrač, M. Grobelnik, D. Zupanič, and D. Mladenić. Stochastic search in inductive logic programming. In B. Neumann, editor, *Proceedings of the 10th European Conference on Artificial Intelligence*, pages 444–445. John Wiley, 1992.

[308] P. Langley. Induction of recursive Bayesian classifiers. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 153–164. Springer-Verlag, 1993.

[309] S. Lapointe, C.X. Ling, and S. Matwin. Constructive inductive logic programming. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 255–264. J. Stefan Institute, 1993.

[310] S. Lapointe, C.X. Ling, and S. Matwin. Constructive inductive logic programming. In R. Bajcsy, editor, *Proceedings of the 13th International Joint Conference on Artificial Intelligence*, pages 1030–1036. Morgan Kaufmann, 1993.

[311] S. Lapointe and S. Matwin. Sub-unification: A tool for efficient induction of recursive programs. In D. Sleeman and P. Edwards, editors, *Proceedings of the 9th International Workshop on Machine Learning*, pages 273–281. Morgan Kaufmann, 1992.

[312] N. Lavrač, S. Džeroski, and M. Grobelnik. Experiments in learning nonrecursive definitions of relations with LINUS. Technical Report IJS-DP-5863, J. Stefan Institute, Ljubljana, Slovenia, 1990.

[313] N. Lavrač. *Principles of knowledge acquisition in expert systems.* PhD thesis, Faculty of Technical Sciences, University of Maribor, 1990.

[314] N. Lavrač. Inductive concept learning using background knowledge. In T. Pequeno and F. Carvalho, editors, *Proceedings of the 11th Brasilian Symposium on Artificial Intelligence*, pages 1–16, 1994. (Invited paper).

[315] N. Lavrač. Inductive logic programming. In N.E. Fuchs and G. Gottlob, editors, *Proceedings of the 10th Logic Programming Workshop*, Technical Report, IFI-94.10. Zürich University, 1994. (Invited paper).

[316] N. Lavrač, B. Cestnik, and S. Džeroski. Search heuristics in empirical inductive logic programming. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[317] N. Lavrač, B. Cestnik, and S. Džeroski. Use of heuristics in empirical inductive logic programming. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[318] N. Lavrač and L. De Raedt. Inductive logic programming: A survey of European research. *AI Communications*, 8(1):3–19, 1995.

[319] N. Lavrač and S. Džeroski. Inductive learning of relational descriptions from noisy examples. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 259–278, 1991.

[320] N. Lavrač and S. Džeroski. Background knowledge and declarative bias in inductive concept learning. In K. Jantke, editor, *Proceedings 3rd International Workshop on Analogical and Inductive Inference*, pages 51–71. Springer-Verlag, 1992. (Invited paper).

[321] N. Lavrač and S. Džeroski. Inductive learning of relations from noisy examples. In S. Muggleton, editor, *Inductive Logic Programming*, pages 495–516. Academic Press, 1992.

[322] N. Lavrač and S. Džeroski. *Inductive Logic Programming: Techniques and Applications.* Ellis Horwood, 1994.

[323] N. Lavrač and S. Džeroski. Weakening the language bias in LINUS. *Journal of Experimental and Theoretical Artificial Intelligence*, 6(1):95–119, 1994.

[324] N. Lavrač, S. Džeroski, and I. Bratko. Handling imperfect data in inductive logic programming. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 48–64. IOS Press, 1996.

[325] N. Lavrač, S. Džeroski, and M. Grobelnik. Learning nonrecursive definitions of relations with LINUS. In Y. Kodratoff, editor, *Proceedings of the 5th European Working Session on Learning*, volume 482 of *Lecture Notes in Artificial Intelligence*, pages 265–281. Springer-Verlag, 1991.

[326] N. Lavrač, S. Džeroski, V. Pirnat, and V. Križman. Learning rules for early diagnosis of rheumatic diseases. In *Proceedings of the 3rd Scandinavian Conference on Artificial Intelligence*, pages 138–149. IOS Press, 1991.

[327] N. Lavrač, S. Džeroski, V. Pirnat, and V. Križman. The utility of background knowledge in learning medical diagnostic rules. *Applied Artificial Intelligence*, 7:273–293, 1993.

[328] N. Lavrač, D. Gamberger, and S. Džeroski. An approach to dimensionality reduction in learning from deductive databases. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 337–354. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[329] G. Le Blanc. BMWk revisited - Generalization and formalization of an algorithm for detecting recursive relations in term sequences. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 183–197. Springer-Verlag, 1994.

[330] C.X. Ling. Inductive learning from good examples. In J. Mylopoulos and R. Reiter, editors, *Proceedings of the 12th International Joint Conference on Artificial Intelligence*. Morgan Kaufmann, 1991.

[331] C.X. Ling. Inventing necessary theoretical terms. Technical Report Nr. 302, Dept. of Computer Science, University of Western Ontario, 1991.

[332] C.X. Ling. Logic program synthesis from good examples. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 41–58, 1991.

[333] C.X. Ling. Non-monotonic specialization. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 59–68, 1991.

[334] C.X. Ling. Logic program synthesis from good examples. In S. Muggleton, editor, *Inductive Logic Programming*, pages 113–130. Academic Press, 1992.

[335] C.X. Ling. Learning the past tense of English verbs: The symbolic pattern associator vs. connectionist models. *Journal of Artificial Intelligence Research*, 1:209–229, 1994.

[336] C.X. Ling and M.A. Narayan. Comparison of methods based on inverse resolution. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 168–172. Morgan Kaufmann, 1991.

[337] C.X. Ling and M.A. Narayan. A critical comparison of various methods based on inverse resolution. In S. Muggleton, editor, *Inductive Logic Programming*, pages 131–144. Academic Press, 1992.

[338] D. Lorenzo. Application of clausal discovery to temporal databases. In *Proceedings of the MLnet Familiarization Workshop on Data Mining with Inductive Logic Programing*, pages 25–40, 1996.

[339] D. Malerba. Document understanding: A machine learning approach. Technical report, Esprit Project 5203 INTERRID, 1993.

[340] B. Malfait. Een incrementele, niet-interactieve aanpak van het Theory Revision-probleem binnen ILP. Master's thesis, Department of Computer Science, Katholieke Universiteit Leuven, 1994. (In Dutch).

[341] Z. Markov. Inductive inference in networks of relations. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 265–278. J. Stefan Institute, 1993.

[342] Z. Markov. Relational learning by heuristic evaluation of ground data. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 337–350. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[343] Z. Markov. A functional approach to ILP. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 267–280. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[344] Z. Markov. λ-subsumption and its application to learning from positive-only examples. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 171–190. Stockholm University, Royal Institute of Technology, 1996.

[345] L. Martin and C. Vrain. MULT_ICN: An empirical multiple predicate learner. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 129–144. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[346] L. Martin and C. Vrain. A three-valued framework for the induction of general program. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 109–128. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[347] L. Martin and C. Vrain. A three-valued framework for the induction of general logic programs. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 219–235. IOS Press, 1996.

[348] M. Meyer and P. Hanschke. An alternative to q-subsuption based on terminological reasoning. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[349] R.S. Michalski. Pattern recognition as rule-guided inductive inference. In *Proceedings of IEEE Transactions on Pattern Analysis and Machine Intelligence*, pages 349–361, 1980.

[350] D. Michie and R. Camacho. Building symbolic representations of intuitive real-time skills from performance data. In K. Furukawa, D. Michie, and S. Muggleton, editors, *Intelligence 13*, pages 385–418. Oxford University Press, 1994.

[351] D. Michie, S. Muggleton, D. Page, and A. Srinivasan. To the international computing community: A new East-West challenge. Technical report, Oxford University Computing laboratory, Oxford,UK, 1994. URL: ftp://ftp.comlab.ox.ac.uk/pub/Packages/ILP/trains.tar.Z.

[352] F. Mizoguchi and H. Ohwada. Constraint-directed generalization for learning spatial relations. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[353] F. Mizoguchi and H. Ohwada. Constrained relative least general generalization for inducing constraint logic programs. *New Generation Computing, Special issue on Inductive Logic Programming*, 13(3-4):335–368, 1995.

[354] F. Mizoguchi and H. Ohwada. An inductive logic programming approach to constraint acquisition for constraint-based problem solving. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 297–322. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[355] F. Mizoguchi, H. Ohwada, M. Daidoji, and S. Shirato. Learning rules that classify ocular fundus images for glaucoma diagnosis. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 191–204. Stockholm University, Royal Institute of Technology, 1996.

[356] D. Mladenić, I. Bratko, R.J. Paul, and M. Grobelnik. Using machine learning techniques to interprete results from discrete event simulation. In *Proceedings of the 15th International Conference on Information Technology Interfaces*, pages 401–406, 1993.

[357] D. Mladenić, I. Bratko, R.J. Paul, and M. Grobelnik. Using machine learning techniques to interpret results from discrete event simulation. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 399–402. Springer-Verlag, 1994.

[358] C.R. Mofizur and M. Numao. Logic program synthesis as a controlled search through appropriate hypothesis sub-space. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 373–386. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[359] C.R. Mofizur and M. Numao. Top-down induction of recursive programs from small number of sparse examples. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 161–180. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[360] C.R. Mofizur and M. Numao. Top-down induction of recursive programs from small number of sparse examples. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 236–253. IOS Press, 1996.

[361] R.J. Mooney. Inductive logic programming for natural language processing. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 205–224. Stockholm University, Royal Institute of Technology, 1996.

[362] R.J. Mooney and M.E. Califf. Induction of first–order decision lists: Results on learning the past tense of English verbs. *Journal of Artificial Intelligence Research*, 3:1–24, 1995.

[363] R.J. Mooney and M.E. Califf. Induction of first-order decision lists: Results on learning the past tense of English verbs. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 145–146. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[364] R.J. Mooney and B. Richards. Automated debugging of logic programs via theory revision. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[365] R.J. Mooney and J. M. Zelle. Integrating ILP and EBL. *SIGART Bulletin*, 5(1):12–21, 1994.

[366] E. Morales. Learning chess patterns. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 291–307, 1991.

[367] E. Morales. Learning features by experimentation in chess. In Y. Kodratoff, editor, *Proceedings of the 5th European Working Session on Learning*, volume 482 of *Lecture Notes in Artificial Intelligence*, pages 494–511. Springer-Verlag, 1991.

[368] E. Morales. *First-order induction of patterns in chess.* PhD thesis, Department of Computer Science, University of Strathclyde, 1992.

[369] E. Morales. Learning chess patterns. In S. Muggleton, editor, *Inductive Logic Programming*, pages 517–538. Academic Press, 1992.

[370] E. Morales. Learning patterns for playing KRK. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[371] E. Morales. Testing the applicability of ILP systems. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[372] K. Morik. Integrating manual and automatic knowledge aquisition - BLIP. In K.L. McGraw and C.R. Westphal, editors, *Readings in Knowledge Acquisition – Current Practices and Trends*, pages 213–232. Ellis Horwood, 1990.

[373] K. Morik. The art of ILP aplications. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 3–4. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[374] K. Morik and P. Brockhausen. A multistrategy approach to relational knowledge discovery in databases. In *Proceedings of the 3nd International Workshop on Multistrategy Learning*, pages 17–28. AAAI Press, 1996.

[375] K. Morik, S. Wrobel, J-U. Kietz, and W. Emde. *Knowledge Acquisition and Machine Learning: Theory, Methods and Applications.* Academic Press, 1993.

[376] I. Mozetič and N. Lavrač. Incremental learning from examples in a logic-based formalism. In P. Brazdil, editor, *Proceedings of the Workshop on Machine Learning, Meta-Reasoning and Logics*, pages 109–127, 1988.

[377] S. Muggleton. A strategy for constructing new predicates in first order logic. In D. Sleeman, editor, *Proceedings of the 3rd European Working Session on Learning*, pages 123–130. Pitman, 1988.

[378] S. Muggleton. Inductive logic programming. In *Proceedings of the 1st Conference on Algorithmic Learning Theory*, pages 43–62. Ohmsma, Tokyo, Japan, 1990.

[379] S. Muggleton. Inductive logic programming. *New Generation Computing*, 8(4):295–317, 1991.

[380] S. Muggleton. Inverting the resolution principle. In J.E. Hayes-Michie and E. Tyugu, editors, *Machine Intelligence*, volume 12, pages 93–104. Oxford University Press, 1991.

[381] S. Muggleton, editor. *Proceedings of the 1st International Workshop on Inductive Logic Programming*. University of Porto, 1991.

[382] S. Muggleton. Inductive logic programming. In S. Muggleton, editor, *Inductive Logic Programming*, pages 3–28. Academic Press, 1992.

[383] S. Muggleton, editor. *Inductive Logic Programming*. Academic Press, 1992.

[384] S. Muggleton. Inverting implication. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, pages 19–39, 1992.

[385] S. Muggleton. Inverting implication. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[386] S. Muggleton, editor. *Proceedings of the 2nd International Workshop on Inductive Logic Programming*. ICOT, Tokyo, 1992.

[387] S. Muggleton. A theoretical framework for predicate invention. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, page 18, 1992. Abstract only.

[388] S. Muggleton. Inductive logic programming: Derivations, successes and shortcomings. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 21–38. Springer-Verlag, 1993.

[389] S. Muggleton. Logic and learning: Turing's legacy. In S. Muggleton, D. Michie, and K. Furukawa, editors, *Machine Intelligence*, volume 13, pages 37–56. Oxford University Press, 1993.

[390] S. Muggleton. Optimal layered learning: A PAC approach to incremental sampling. In K. Jantke, S. Kobayashi, E. Tomita, and T. Yokomori, editors, *Proceedings of the 4th Conference on Algorithmic Learning Theory*, Lecture Notes in Artificial Intelligence, pages 37–44. Springer-Verlag, 1993.

[391] S. Muggleton, editor. *Proceedings of the 3rd International Workshop on Inductive Logic Programming*. Jožef Stefan Institute, 1993.

[392] S. Muggleton. Bayesian inductive logic programming. In W.W. Cohen and H. Hirsh, editors, *Proceedings of the 11th International Conference on Machine Learning*, pages 371–379. Morgan Kaufmann, 1994.

[393] S. Muggleton. Inductive logic programming. *SIGART Bulletin*, 5(1):5–11, 1994.

[394] S. Muggleton. Predicate invention and utility. *Journal of Experimental and Theoretical Artificial Intelligence*, 6(1):121–130, 1994.

[395] S. Muggleton. Inverse entailment and Progol. *New Generation Computing, Special issue on Inductive Logic Programming*, 13(3-4):245–286, 1995.

[396] S. Muggleton. Inverting entailment and Progol. In *Machine Intelligence*, volume 14, pages 133–188. Oxford University Press, 1995.

[397] S. Muggleton. Stochastic logic programs. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, page 29. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[398] S. Muggleton. Learning from positive data. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 225–244. Stockholm University, Royal Institute of Technology, 1996.

[399] S. Muggleton. Stochastic logic programs. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 254–264. IOS Press, 1996.

[400] S. Muggleton, M. Bain, J. Hayes-Michie, and D. Michie. An experimental comparison of human and machine learning formalisms. In *Proceedings of the 6th International Workshop on Machine Learning*, pages 113–118. Morgan Kaufmann, 1989.

[401] S. Muggleton and W. Buntine. Machine invention of first order predicates by inverting resolution. In *Proceedings of the 5th International Workshop on Machine Learning*, pages 339–351. Morgan Kaufmann, 1988.

[402] S. Muggleton and W. Buntine. Machine invention of first-order predicates by inverting resolution. In S. Muggleton, editor, *Inductive Logic Programming*, pages 261–280. Academic Press, 1992.

[403] S. Muggleton and L. De Raedt. Inductive logic programming: Theory and methods. *Journal of Logic Programming*, 19/20:629–679, 1994.

[404] S. Muggleton and C. Feng. Efficient induction of logic programs. In *Proceedings of the 1st Conference on Algorithmic Learning Theory*, pages 368–381. Ohmsma, Tokyo, Japan, 1990.

[405] S. Muggleton and C. Feng. Efficient induction in logic programs. In S. Muggleton, editor, *Inductive Logic Programming*, pages 281–298. Academic Press, 1992.

[406] S. Muggleton, R.D. King, and M.J.E Sternberg. Protein secondary structure prediction using logic. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, pages 228–259, 1992.

[407] S. Muggleton, R.D. King, and M.J.E. Sternberg. Protein secondary structure prediction using logic. *Protein Engineering*, 7:647–657, 1992.

[408] S. Muggleton and C.D. Page. A learnability model for universal representations. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 139–160. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[409] S. Muggleton and C.D. Page. Self-saturation of definite clauses. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 161–174. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[410] S. Muggleton, C.D. Page, and A. Srinivasan. An initial experiment into stereochemistry-based drug design using ILP. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 245–261. Stockholm University, Royal Institute of Technology, 1996.

[411] S. Muggleton and D. Page. Beyond first-order learning: Inductive learning with higher-order logic. Technical Report PRG-TR-13-94, Oxford University, Oxford, 1994.

[412] S. Muggleton, A. Srinivasan, and M. Bain. MDL codes for non-monotonic learning. Technical Report TIRM-91-049, Turing Institute, 1991.

[413] S. Muggleton, A. Srinivasan, and M. Bain. Compression, significance and accuracy. In D. Sleeman and P. Edwards, editors, *Proceedings of the 9th International Workshop on Machine Learning*, pages 338–347. Morgan Kaufmann, 1992.

[414] M. Nagiya. An iterative and bottom-up procedure for proving-by-example. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 336–341. Springer-Verlag, 1993.

[415] C. Nédellec. How to specialize by theory refinement. In B. Neumann, editor, *Proceedings of the 10th European Conference on Artificial Intelligence*, pages 474–478. John Wiley, 1992.

[416] C. Nédellec and C. Rouveirol. Hypothesis selection biases for incremental learning. In *Proceedings of the AAAI Spring Symposium Series workshop on Issues for Incremental Learning*, 1993.

[417] C. Nédellec and C. Rouveirol. Specification of the HAIKU system. Technical Report 928, Université Paris-Sud, 1994.

[418] C. Nédellec, C. Rouveirol, H. Adé, F. Bergadano, and B. Tausend. Declarative bias in ILP. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 82–103. IOS Press, 1996.

[419] F. Neri and A. Giordana. A distributed genetic algorithm for concept learning. In *Proceedings of the International Conference on Genetic Algorithms*, pages 436–443. Morgan Kaufmann, 1995.

[420] F. Neri and L. Saitta. A formal analysis of selection schemes. In *Proceedings of the International Conference on Genetic Algorithms*, pages 32–39. Morgan Kaufmann, 1995.

[421] F. Neri and L. Saitta. An analysis of the universal suffrage selection operator. *Evolutionary Computation Journal*, 4(1):89–109, 1996.

[422] T. Niblett. A study of generalisation in logic programs. In D. Sleeman, editor, *Proceedings of the 3rd European Working Session on Learning*, pages 131–138. Pitman, 1988.

[423] T. Niblett. A note on refinement operators. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 329–335. Springer-Verlag, 1993.

[424] S-H. Nienhuys-Cheng and R. de Wolf. The subsumption theorem in inductive logic programming: Facts and fallacies. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 147–160. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[425] S-H. Nienhuys-Cheng and R. de Wolf. A complete method for program specialization based on unfolding. In W. Wahlster, editor, *Proceedings of the 12th European Conference on Artificial Intelligence*, pages 438–442. John Wiley, 1996.

[426] S-H. Nienhuys-Cheng and R. de Wolf. Least generalisations under implication. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 262–275. Stockholm University, Royal Institute of Technology, 1996.

[427] S-H. Nienhuys-Cheng and R. de Wolf. The subsumption theorem in inductive logic programming: Facts and fallacies. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 265–276. IOS Press, 1996.

[428] S-H. Nienhuys-Cheng and P.A. Flach. Consistent term mappings, term partitions and inverse resolution. In Y. Kodratoff, editor, *Proceedings of the 5th European Working Session on Learning*, volume 482 of *Lecture Notes in Artificial Intelligence*, pages 361–374. Springer-Verlag, 1991.

[429] S-H. Nienhuys-Cheng and M. Polman. Sample PAC-learnability in model inference. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 217–230. Springer-Verlag, 1994.

[430] J. Paakki, T. Gyimóthy, and T. Horváth. Effective algorithmic debugging for inductive logic programming. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 175–194. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[431] C.D. Page and A.M. Frisch. Genaralizing sorted and constrained atoms. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 69–82, 1991.

[432] C.D. Page and A.M. Frisch. Learning constrained atoms. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 427–431. Morgan Kaufmann, 1991.

[433] C.D. Page and A.M. Frisch. Generalization and learnability: A study of constrained atoms. In S. Muggleton, editor, *Inductive Logic Programming*, pages 29–62. Academic Press, 1992.

[434] M.J. Pazzani, C.A. Brunk, and G. Silverstein. A knowledge-intensive approach to learning relational concepts. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 432–436. Morgan Kaufmann, 1991.

[435] M.J. Pazzani, C.A. Brunk, and G. Silverstein. An information-based approach to integrating empirical and explanation-based learning. In S. Muggleton, editor, *Inductive Logic Programming*, pages 373–394. Academic Press, 1992.

[436] M.J. Pazzani and D. Kibler. The utility of knowledge in inductive learning. *Machine Learning*, 9(1):57–94, 1992.

[437] B. Pfahringer. Controlling constructive induction in CIPF: An MDL approach. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 242–256. Springer-Verlag, 1994.

[438] B. Pfahringer. A new MDL measure for robust rule induction. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 331–334. Springer-Verlag, 1995.

[439] G.D. Plotkin. A note on inductive generalization. In *Machine Intelligence*, volume 5, pages 153–163. Edinburgh University Press, 1970.

[440] G.D. Plotkin. *Automatic Methods of Inductive Inference.* PhD thesis, Edinburgh University, 1971.

[441] G.D. Plotkin. A further note on inductive generalization. In *Machine Intelligence*, volume 6, pages 101–124. Edinburgh University Press, 1971.

[442] U. Pompe. SFOIL: Stochastic approach to inductive logic programming. In *Proceedings of the 2nd Slovenian Conference on Electrotechnical and Computer*, 1993.

[443] U. Pompe. Stochastic inductive logic programming. BSc Thesis, 1993. (In Slovenian).

[444] U. Pompe. Efficient proof encoding. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 276–291. Stockholm University, Royal Institute of Technology, 1996.

[445] U. Pompe and I. Kononenko. Linear space induction in first order logic with RELIEFF. In R. Kruse, R. Viertl, and G. Della Ricci, editors, *Mathematical and Statistical Methods in Artificial Intelligence, CISM Course and Lecture Notes 363*, pages 185–220. Springer-Verlag, 1995.

[446] U. Pompe and I. Kononenko. Naive Bayesian classifier within ILP-R. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 417–436. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[447] U. Pompe, I. Kononenko, and T. Makše. An application of ILP in a musical database: Learning to compose the two-voice counterpoint. In *Proceedings of the MLnet Familiarization Workshop on Data Mining with Inductive Logic Programing*, pages 1–11, 1996.

[448] L. Popelinský. Object-oriented data modelling and rules: ILP meets databases. In *Proceedings of the ECML'95 Workshop Knowledge Level Modelling*, 1995.

[449] L. Popelinský, P. Flener, and O. Štěpánková. ILP and automatic programming: Towards three approaches. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 351–364. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[450] L. Popelinský and O. Štěpánková. WiM: A study on top-down ILP program. In *Proceedings of the AIT'95 Workshop*, 1995.

[451] J.R. Quinlan. Learning relations: Comparison of a symbolic and a connectionist approach. Technical report, Basser Department of Computer Science, University of Sydney, 1989.

[452] J.R. Quinlan. Learning logical definitions from relations. *Machine Learning*, 5:239–266, 1990.

[453] J.R. Quinlan. Determinate literals in inductive logic programming. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 442–446. Morgan Kaufmann, 1991.

[454] J.R. Quinlan. Determinate literals in inductive logic programming. In J. Mylopoulos and R. Reiter, editors, *Proceedings of the 12th International Joint Conference on Artificial Intelligence*. Morgan Kaufmann, 1991.

[455] J.R. Quinlan. Knowledge acquisition from structured data - Using determinate literals to assist search. *IEEE Expert*, 6(6):32–37, 1991.

[456] J.R. Quinlan. The minimum description lenght principle and categorical theories. In W.W. Cohen and H. Hirsh, editors, *Proceedings of the 11th International Conference on Machine Learning*, pages 233–241. Morgan Kaufmann, 1994.

[457] J.R. Quinlan and R.M. Cameron-Jones. FOIL: A midterm report. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 3–20. Springer-Verlag, 1993.

[458] J.R. Quinlan and R.M. Cameron-Jones. Introduction of logic programs: FOIL and related systems. *New Generation Computing, Special issue on Inductive Logic Programming*, 13(3-4):287–312, 1995.

[459] B.L. Richards and R.J. Mooney. First-order theory revision. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 447–451. Morgan Kaufmann, 1991.

[460] B.L. Richards and R.J. Mooney. Refinement of first-order Horn-clause domain theories. *Machine Learning*, 19(2):95–131, 1995.

[461] A. Rieger. Restructuring chain Datalog programs. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 292–311. Stockholm University, Royal Institute of Technology, 1996.

[462] C. Rouveirol. Saturation: Postponing choices when inverting resolution. In L.C. Aiello, editor, *Proceedings of the 9th European Conference on Artificial Intelligence*, pages 557–562. Pitman, 1990.

[463] C. Rouveirol. Completeness for inductive procedures. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 452–456. Morgan Kaufmann, 1991.

[464] C. Rouveirol. ITOU: Induction of first order theories. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 127–158, 1991.

[465] C. Rouveirol. Semantic model for induction of first order theories. In J. Mylopoulos and R. Reiter, editors, *Proceedings of the 12th International Joint Conference on Artificial Intelligence*. Morgan Kaufmann, 1991.

[466] C. Rouveirol. Extensions of inversion of resolution applied to theory completion. In S. Muggleton, editor, *Inductive Logic Programming*, pages 63–92. Academic Press, 1992.

[467] C. Rouveirol. Flattening and saturation: Two representation changes for generalization. *Machine Learning*, 14(2):219–232, 1994.

[468] C. Rouveirol, H. Adé, and L. De Raedt. Bottom-up generalization in ILP. In F. Bergadano, L. De Raedt, S. Matwin, and S. Muggleton, editors, *Proceedings of the IJCAI-93 Workshop on Inductive Logic Programming*, pages 59–70. Morgan Kaufmann, 1993.

[469] C. Rouveirol, H. Adé, and L. De Raedt. Bottom up generalization in ILP. Technical Report KUL-CW-171, Department of Computer Science, Katholieke Universiteit Leuven, 1993.

[470] C. Rouveirol and P. Albert. Knowledge level model of a configurable learning system. In *Proceedings of the 8th European Knowledge Acquisition Workshop*. Springer-Verlag, 1994.

[471] C. Rouveirol and L. De Raedt. The use of background knowledge for generalization in ILP. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[472] C. Rouveirol and J-F. Puget. A simple solution for inverting resolution. In K. Morik, editor, *Proceedings of the 4th European Working Session on Learning*, pages 201–210. Pitman, 1989.

[473] C. Rouveirol and J-F. Puget. Beyond inversion of resolution. In B. Porter and R.J. Mooney, editors, *Proceedings of the 7th International Conference on Machine Learning*, pages 122–131. Morgan Kaufmann, 1990.

[474] C. Rouveirol and M. Sebag. Constraint inductive logic programming. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 181–198. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[475] G. Sablon. *Iterative versionspaces with an application in inductive logic programming.* PhD thesis, Katholieke Universiteit Leuven, Belgium, 1995.

[476] G. Sablon, H. Adé, L. De Raedt, and M. Bruynooghe. Some thoughts on inverse resolution. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 83–91, 1991.

[477] G. Sablon, H. Adé, L. De Raedt, and M. Bruynooghe. Some thoughts on inverse resolution. In S. Muggleton, editor, *Inductive Logic Programming*, pages 409–422. Academic Press, 1992.

[478] G. Sablon and M. Bruynooghe. Using the event calculus to integrate planning and learning in an intelligent autonomous agent. In E. Plaza, editor, *Proceedings of the ECML-93 Workshop on Integrated Learning Architectures*, 1993.

[479] G. Sablon and M. Bruynooghe. Using the event calculus to integrate planning and learning in an intelligent autonomous agent. In C. Bäckström and E. Sandewall, editors, *Current Trends in AI Planning*, pages 254–265. IOS Press, 1994.

[480] G. Sablon, L. De Raedt, and M. Bruynooghe. Iterative versionspaces. *Artificial Intelligence*, 69, 1994.

[481] K. Sadohara and M. Haraguchi. Analogical logic program synthesis from examples. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 232–244. Springer-Verlag, 1995.

[482] L. Saitta. ILP: An alternative view. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 5–6. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[483] C. Sammut. Automatically constructing control systems by observing human behaviour. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[484] C. Sammut. The origins of inductive logic programming: A prehistoric tale. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 127–148. J. Stefan Institute, 1993.

[485] C. Sammut. Using background knowledge to build multistrategy learners. In *Proceedings of the 3nd International Workshop on Multistrategy Learning*, pages 11–16. AAAI Press, 1996.

[486] C. Sammut and R. Banerji. Learning concepts by asking questions. In R.S. Michalski, J.G. Carbonell, and T.M. Mitchell, editors, *Machine Learning: An Artificial Intelligence Approach, Volume 2*, pages 167–191. Morgan Kaufmann, 1986.

[487] I. Savnik and P.A. Flach. Bottom-up induction of functional dependencies from relations. In G. Piatetsky-Shapiro, editor, *Proceedings of the AAAI-93 Workshop on Knowledge Discovery in Databases*, pages 174–185, 1993.

[488] T. Scheffer, R. Herbrich, and F. Wysotzki. Efficient θ-subsumption based on graph algorithms. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 312–329. Stockholm University, Royal Institute of Technology, 1996.

[489] M. Sebag. A constraint-based induction algorithm in FOL. In W.W. Cohen and H. Hirsh, editors, *Proceedings of the 11th International Conference on Machine Learning*, pages 275–283. Morgan Kaufmann, 1994.

[490] M. Sebag. Using constraints to building version spaces. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 257–271. Springer-Verlag, 1994.

[491] M. Sebag and C. Rouveirol. Induction of maximally general clauses consistent with integrity constraints. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 195–216. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[492] M. Sebag and C. Rouveirol. Constraint inductive logic programming. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 277–294. IOS Press, 1996.

[493] M. Sebag and C. Rouveirol. Polynomial approximate learning in (constraint) logic programming. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 330–351. Stockholm University, Royal Institute of Technology, 1996.

[494] G. Semeraro, F. Esposito, and D. Malerba. Learning contextual rules for document understanding. In *Proceedings of the 10th IEEE Conference on Artificial Intelligence for Applications*, pages 108–115, 1994.

[495] E.Y. Shapiro. An algorithm that infers theories from facts. In *Proceedings of the 7th International Joint Conference on Artificial Intelligence*, pages 446–452. Morgan Kaufmann, 1981.

[496] E.Y. Shapiro. *Algorithmic Program Debugging*. The MIT Press, 1983.

[497] E.Y. Shapiro. Inductive inference of theories from facts. In J.L. Lassez and G.D. Plotkin, editors, *Computational Logic: Essays in Honor of Alan Robinson*, pages 199–255. The MIT Press, 1991.

[498] G. Silverstein and M.J. Pazzani. Relational cliches: Constraining constructive induction during relational learning. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 203–207. Morgan Kaufmann, 1991.

[499] G. Silverstein and M.J. Pazzani. Learning relational cliches. In F. Bergadano, L. De Raedt, S. Matwin, and S. Muggleton, editors, *Proceedings of the IJCAI-93 Workshop on Inductive Logic Programming*, pages 71–82. Morgan Kaufmann, 1993.

[500] E. Siou. A bidirectional search for clauses. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 365–376. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[501] E. Sommer. Learning relations without closing the world. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 419–422. Springer-Verlag, 1994.

[502] E. Sommer. Rulebase stratifications: An approach to theory restructuring. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 377–390. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[503] E. Sommer. An approach to quantifying the quality of induced theories. In *Proceedings of the IJCAI Workshop on Machine Learning and Comprehensibility*. Morgan Kaufmann, 1995.

[504] E. Sommer. FENDER: An approach to theory restructuring. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 356–359. Springer-Verlag, 1995.

[505] E. Sommer. Theory restructuring: Coarse-grained integration of strategies for induction & maintanance of knowledge bases. In *Proceedings of the 3nd International Workshop on Multistrategy Learning*, pages 177–190. AAAI Press, 1996.

[506] A. Srinarasan, S. Muggleton, and M. Bain. Distinguishing exceptions from noise in non monotonic learning. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[507] A. Srinivasan and R.D. King. Feature construction with inductive logic programming: A study of quantitative predictions of biological activity aided by structural attributes. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 352–367. Stockholm University, Royal Institute of Technology, 1996.

[508] A. Srinivasan, S. Muggleton, and M. Bain. Distinguishing exceptions from noise in non-monotonic learning. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[509] A. Srinivasan, S. Muggleton, and M. Bain. The justification of logical theories. In S. Muggleton, D. Michie, and K.Furukawa, editors, *Machine Intelligence*, volume 13, pages 87–121. Oxford University Press, 1994.

[510] A. Srinivasan, S. Muggleton, and R.D. King. Comparing the use of background knowledge by inductive logic programming systems. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 199–230. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[511] A. Srinivasan, S. Muggleton, R.D. King, and M.J.E. Sternberg. Mutagenesis: ILP experiments in a non-determinate biological domain. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 217–232. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[512] A. Srinivasan, S. Muggleton, R.D. King, and M.J.E. Sternberg. The effect of background knowledge in inductive logic programming: A case study. Technical report, PRG-TR-9-95 Oxford University Computing Laboratory, 1995.

[513] A. Srinivasan, S. Muggleton, R.D. King, and M.J.E. Sternberg. Theories for mutagenecity: A study of first-order and feature based induciton. Technical report, PRG-TR-8-95 Oxford University Computing Laboratory, 1995.

[514] A. Srinivasan, S. Muggleton, M.J.E. Sternberg, and R.D. King. Theories for mutagenicity: A study in first-order and feature-based induction. *Artificial Intelligence*, 85(1,2), 1996.

[515] I. Stahl. Predicate invention in ILP - An overview. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 313–322. Springer-Verlag, 1993.

[516] I. Stahl. On the utility of predicate invention in inductive logic programming. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 272–286. Springer-Verlag, 1994.

[517] I. Stahl. Properties of inductive logic programming in function-free Horn logic. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 423–426. Springer-Verlag, 1994.

[518] I. Stahl. The appropriateness of predicate invention as bias shift operation in ILP. *Machine Learning*, 20(1/2):95–118, 1995.

[519] I. Stahl. Compression measures in ILP. Technical report, Fakultät Informatik, Universität Stuttgart, 1995.

[520] I. Stahl. Compression measures in ILP. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 280–296. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[521] I. Stahl. The efficiency of bias shift operations in ILP. Technical report, Fakultät Informatik, Universität Stuttgart, 1995.

[522] I. Stahl. The efficiency of bias shift operations in ILP. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 231–246. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[523] I. Stahl. Compression measures in ILP. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 295–307. IOS Press, 1996.

[524] I. Stahl. Predicate invention in inductive logic programming. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 34–47. IOS Press, 1996.

[525] I. Stahl and B. Tausend. MILES – A modular inductive logic programming experimentation system. Technical report, Fakultät Informatik, Universität Stuttgart, 1994.

[526] I. Stahl, B. Tausend, and R. Wirth. General-to-specific learning of Horn clauses from positive examples. In *Proceedings of the CompEuro92*, 1992.

[527] I. Stahl, B. Tausend, and R. Wirth. Induction of disjunctive concepts via partitioning of the example set. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[528] I. Stahl, B. Tausend, and R. Wirth. Two methods for improving inductive logic programming systems. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 41–55. Springer-Verlag, 1993.

[529] I. Stahl and I. Weber. The arguments of newly invented predicates in ILP. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 233–246. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[530] M.J.E. Sternberg, J.D. Hurst, R.A. Lewis, R.D. King, A. Srinivasan, and S. Muggleton. Application of machine learning to protein structure prediction and drug design. In *Proceedings of the Colloquium on Molecular Bioinformatics*, 1994.

[531] B. Swennen. Learning by discovery in an adventure game. Master's thesis, Department of Computer Science, Katholieke Universiteit Leuven, 1991.

[532] S. Tangkitvanich, M. Numao, and M. Shimura. Correcting multiple faults in the concept and subconcepts by learning and abduction. In S. Muggleton, editor, *Proceedings of the 2nd International Workshop on Inductive Logic Programming*, Report ICOT TM-1182, 1992.

[533] S. Tankitvanitch and M. Shimura. Refining a relational theory with multiple faults in the concept and subconcepts. In D. Sleeman and P. Edwards, editors, *Proceedings of the 9th International Workshop on Machine Learning*, pages 436–444. Morgan Kaufmann, 1992.

[534] B. Tausend. Lernen von Hornklauseln mit Programmierschemata. In K. Reiss, M. Reiss, and H. Spandl, editors, *Maschinelles Lernen - Modellierung von Lernen mit Maschinen*. Springer, 1992. (In German).

[535] B. Tausend. Using and adapting schemes for the induction of Horn clauses. In C. Rouveirol, editor, *Proceedings of the ECAI-92 Workshop on Logical Approaches to Machine Learning*, 1992.

[536] B. Tausend. A unifying representation for language restrictions. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 205–220. J. Stefan Institute, 1993.

[537] B. Tausend. *Beschränkungen der Hypothesensprache und ihre Repräsentation in der Induktiven Logischen Programmierung*. PhD thesis, Fakultät Informatik, Universität Stuttgart, 1994. (In German).

[538] B. Tausend. Biases and their effects in inductive logic programming. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 431–434. Springer-Verlag, 1994.

[539] B. Tausend. Representing biases for inductive logic programming. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 427–430. Springer-Verlag, 1994.

[540] B. Tausend. A guided tour through hypothesis spaces in ILP. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 245–259. Springer-Verlag, 1995.

[541] B. Tausend and S. Bell. Analogical reasoning for logic programming. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 159–166, 1991.

[542] B. Tausend and S. Bell. Analogical reasoning for logic programming. In S. Muggleton, editor, *Inductive Logic Programming*, pages 397–408. Academic Press, 1992.

[543] K. Taylor. Inverse resolution of normal clauses. In S. Muggleton, editor, *Proceedings of the 3rd International Workshop on Inductive Logic Programming*, pages 165–178. J. Stefan Institute, 1993.

[544] G. Tecuci. Building knowledge bases through multistrategy learning and knowledge acquisition. In Y. Kodratoff and R.S. Michalski, editors, *Machine Learning and Knowledge Acquisition: Integrated Approaches*, pages 13–50. Academic Press, 1995.

[545] G. Tecuci, S. Calinoiu, and D. Marcu. Using multistrategy learning as a framework for building knowledge-based systems. In C. Unger and I.A. Letia, editors, *Proceedings of the International Conference on Intelligent Communication ICCU95*. Technical University of Cluj-Napoca, 1995.

[546] G. Tecuci and D. Duff. A framework for knowledge base refinement through multistrategy learning and knowledge acquisition. *Knowledge Acquisition*, 6(2):137–161, 1994.

[547] L. Torgo. Controlled redundancy in incremental rule learning. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 185–195. Springer-Verlag, 1993.

[548] G. Turán. Lower bounds for PAC-learning with queries. In *Proceedings of the 6th ACM Workshop on Computational Learning Theory*, 1993.

[549] P. Turney. Low size-complexity inductive logic programming: The East-West challenge considered as a problem in cost-sensitive classification. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 247–263. Department of Computer Science, Katholieke Universiteit Leuven, 1995.

[550] P. Turney. Low size-complexity inductive logic programming: The East-West challenge considered as a problem in cost-sensitive classification. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 308–321. IOS Press, 1996.

[551] E. Van Baelen and L. De Raedt. Analysis and prediction of piano performances using inductive logic programming. In S. Muggleton, editor, *Proceedings of the 6th International Workshop on Inductive Logic Programming*, pages 368–378. Stockholm University, Royal Institute of Technology, 1996.

[552] P.R.J. van der Laag. *An analysis of refinement operators in inductive logic programming.* PhD thesis, Erasmus Universiteit, Rotterdam, the Netherlands, 1995.

[553] P.R.J. van der Laag and S-H. Nienhuys-Cheng. Subsumption and refinement in model inference. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 95–114. Springer-Verlag, 1993.

[554] P.R.J. van der Laag and S-H. Nienhuys-Cheng. Existence and nonexistence of complete refinement operators. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 307–322. Springer-Verlag, 1994.

[555] P.R.J. van der Laag and S-H. Nienhuys-Cheng. A note on ideal refinement operators in ILP. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 247–262. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[556] W. Van Holder, L. De Raedt, H. Adé, G. Sablon, M. Bruynooghe, and Y.D. Willems. MacCLINT: An interactive machine learning system. In *Proceedings of the European Apple University Consortium Conference*, 1992.

[557] W. Van Laer and L. De Raedt. Discovering quantitative laws in inductive logic programming. In *Proceedings of the Familiarization Workshop of the ESPRIT Network of Excellence on Machine Learning*, pages 8–11, 1993. (Extended abstract).

[558] W. Van Laer, L. Dehaspe, and L. De Raedt. Applications of a logical discovery engine. In *Proceedings of the AAAI Workshop on Knowledge Discovery in Databases*, pages 263–274, 1994.

[559] W. Van Laer, S. Džeroski, and L. De Raedt. Multi-class problems and discretization in ICL. In *Proceedings of the MLnet Familiarization Workshop on Data Mining with Inductive Logic Programing*, pages 53–60, 1996.

[560] A. Varšek. *Inductive Logic Programming with Genetic Algorithms.* PhD thesis, Faculty of Electrical Engineering and Computer Science, University of Ljubljana, Ljubljana, Slovenia, 1993. (In Slovenian).

[561] A. Varšek. Genetic inductive logic programming. Technical report, ESPRIT III project 6020 deliverable D.LAI.3.6., 1995.

[562] P. Vitanyi. Inductive reasoning. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 7–10. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[563] C. Vrain and L. Martin. Inductive learning of normal clauses. In F. Bergadano and L. De Raedt, editors, *Proceedings of the 7th European Conference on Machine Learning*, volume 784 of *Lecture Notes in Artificial Intelligence*, pages 435–438. Springer-Verlag, 1994.

[564] L. Watanabe and L. Rendell. Feature construction in structural decision trees. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 218–222. Morgan Kaufmann, 1991.

[565] L. Watanabe and L. Rendell. Learning structural decision trees from examples. In J. Mylopoulos and R. Reiter, editors, *Proceedings of the 12th International Joint Conference on Artificial Intelligence*. Morgan Kaufmann, 1991.

[566] I. Weber and B. Tausend. A three-tiered confidence model for revising logical theories. In S. Wrobel, editor, *Proceedings of the 4th International Workshop on Inductive Logic Programming*, volume 237 of *GMD-Studien*, pages 391–402. Gesellschaft für Mathematik und Datenverarbeitung MBH, 1994.

[567] I. Weber, B. Tausend, and I. Stahl. Language series revisited: The complexity of hypothesis spaces in ILP. In N. Lavrač and S. Wrobel, editors, *Proceedings of the 8th European Conference on Machine Learning*, volume 912 of *Lecture Notes in Artificial Intelligence*, pages 360–363. Springer-Verlag, 1995.

[568] M. Wiese. A bi-directional ILP algorithm. In *Proceedings of the MLnet Familiarization Workshop on Data Mining with Inductive Logic Programing*, pages 61–72, 1996.

[569] R. Wirth. Learning by failure to prove. In D. Sleeman, editor, *Proceedings of the 3rd European Working Session on Learning*, pages 239–250. Pitman, 1988.

[570] R. Wirth. Completing logic programs by inverse resolution. In K. Morik, editor, *Proceedings of the 4th European Working Session on Learning*. Pitman, 1989.

[571] R. Wirth. *Lernverfahren zur Vervollstaendigung von Hornklauselmengen durch inverse Resolution*. PhD thesis, University of Stuttgart, 1989. (In German).

[572] R. Wirth and P. O'Rorke. Constraints on predicate invention. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 457–461. Morgan Kaufmann, 1991.

[573] R. Wirth and P. O'Rorke. Inductive completion of SLD proofs. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 167–176, 1991.

[574] R. Wirth and P. O'Rorke. Constraints for predicate invention. In S. Muggleton, editor, *Inductive Logic Programming*, pages 299–318. Academic Press, 1992.

[575] J. Wogulis. Revising relational domain theories. In L. Birnbaum and G. Collins, editors, *Proceedings of the 8th International Workshop on Machine Learning*, pages 462–466. Morgan Kaufmann, 1991.

[576] J. Wogulis. Handling negation in first-order theory revision. In F. Bergadano, L. De Raedt, S. Matwin, and S. Muggleton, editors, *Proceedings of the IJCAI-93 Workshop on Inductive Logic Programming*, pages 36–46. Morgan Kaufmann, 1993.

[577] J. Wolff. On the integration of learning, logical deduction and probabilistic inference. In S. Muggleton, editor, *Proceedings of the 1st International Workshop on Inductive Logic Programming*, pages 177–192, 1991.

[578] S. Wrobel. Automatic representation adjustment in an observational discovery system. In D. Sleeman, editor, *Proceedings of the 3rd European Working Session on Learning*, pages 253–262. Pitman, 1988.

[579] S. Wrobel. Demand driven concept-formation. In K. Morik, editor, *Knowledge Representation and Organization in Machine Learning*, volume 347 of *Lecture Notes in Artificial Intelligence*. Springer-Verlag, 1989.

[580] S. Wrobel. On the proper definition of minimality in specialization and theory revision. In P. Brazdil, editor, *Proceedings of the 6th European Conference on Machine Learning*, volume 667 of *Lecture Notes in Artificial Intelligence*, pages 65–82. Springer-Verlag, 1993.

[581] S. Wrobel. *Concept Formation and Knowledge Revision*. Kluwer Academic Publishers, 1994.

[582] S. Wrobel. Concept formation during interactive theory revision. *Machine Learning*, 14(2):169–192, 1994.

[583] S. Wrobel. From balanced cooperative modeling to embedded adaptivity – Using inductive logic programming techniques for knowledge acquisition. In Y. Kodratoff and G. Tecuci, editors, *Machine Learning and Knowledge Acquisition: Integrated Approaches*, pages 115–143. Academic Press, 1995.

[584] S. Wrobel. First order theory refinement. In L. De Raedt, editor, *Advances in Inductive Logic Programming*, pages 14–33. IOS Press, 1996.

[585] S. Wrobel. Inductive logic programming. In G. Brewka, editor, *Advances in Knowledge Representation and Reasoning*. CSLI Publishers, 1996. (To appear).

[586] J.M. Zelle and R.J. Mooney. Combining FOIL and EBG to speed-up logic programming. In R. Bajcsy, editor, *Proceedings of the 13th International Joint Conference on Artificial Intelligence*, pages 1106–1113. Morgan Kaufmann, 1993.

[587] J.M. Zelle and R.J. Mooney. ILP techniques for learning semantic grammars. In F. Bergadano, L. De Raedt, S. Matwin, and S. Muggleton, editors, *Proceedings of the IJCAI-93 Workshop on Inductive Logic Programming*, pages 83–92. Morgan Kaufmann, 1993.

[588] J.M. Zelle and R.J. Mooney. Learning semantic grammars with constructive inductive logic programming. In *Proceedings of the 11th National Conference on Artificial Intelligence*, pages 817–822. AAAI Press/MIT Press, 1993.

[589] J.M. Zelle and R.J. Mooney. Inducing deterministic Prolog parsers from treebanks: A machine learning approach. In *Proceedings of the 12th National Conference on Artificial Intelligence*, pages 748–753. AAAI Press/MIT Press, 1994.

[590] J.M. Zelle and R.J. Mooney. Learning to parse database queries using inductive logic programming. In *Proceedings of the 14th National Conference on Artificial Intelligence*, pages 1050–1055. AAAI Press/MIT Press, 1996.

[591] J.M. Zelle, R.J. Mooney, and J.B. Konvisser. Combining top-down and bottom-up techniques in inductive logic programming. In W.W. Cohen and H. Hirsh, editors, *Proceedings of the 11th International Conference on Machine Learning*, pages 343–351. Morgan Kaufmann, 1994.

[592] J.M. Zelle, C.A. Thompson, M.E. Califf, and R.J. Mooney. Inducing logic programs without explicit negative examples. In L. De Raedt, editor, *Proceedings of the 5th International Workshop on Inductive Logic Programming*, pages 403–416. Department of Computer Science, Katholieke Universiteit Leuven, 1995.