

Publication List 1999

Institut für Informationssysteme
Database and Artificial Intelligence Group
Technische Universität Wien
Favoritenstraße 9-11, A-1040 Vienna, Austria
sek@dbai.tuwien.ac.at
<http://www.dbai.tuwien.ac.at>

December 31, 1999

References

- [1] Jürgen Dorn. Towards reusable intelligent scheduling software. In F. Puppe, editor, *Proceedings of XPS-99: Knowledge-based Systems*, Lecture Notes in Artificial Intelligence 1570, pages 101–112, Würzburg, March 1999. Springer.
- [2] Jürgen Dorn and Georg Gottlob. Künstliche Intelligenz. In P. Rechenberg und G. Pomberger, editor, *Informatik-Handbuch*, pages 975–998. Oldenbourg Verlag, 1999. 2. aktualisierte und erweiterte Auflage.
- [3] Jürgen Dorn. Produkt-orientierte Softwareentwicklung mit Application Frameworks am Beispiel der Déjà Vu Klassenbibliothek. *e & i*, 116(3):186–190, 1999.
- [4] Jürgen Dorn. Management and optimization of multiple supply chains. In Mertins et al., editor, *Global Production Management*, pages 144–151, Berlin, September 1999. Chapman & Hall.
- [5] Jürgen Dorn. The Déjà Vu scheduling class library. In Fayad, Schmidt, and Johnson, editors, *Implementing Application Frameworks*, pages 521–540. Wiley, 1999.
- [6] Jürgen Dorn, Anna Prianichnikova, Markus Stumptner, Helmut Veith, Johannes Reisinger, and Ralf Schlatterbeck. Multiprocessor scheduling using the Déjà Vu scheduling class library. *ÖGAI Journal*, 1999(4):16–25, 1999.
- [7] Thomas Eiter, Wolfgang Faber, Nicola Leone, and Gerald Pfeifer. The Diagnosis Frontend of the dlv System. *AI Communications – The European Journal on Artificial Intelligence*, 12(1–2):99–111, 1999.
- [8] Wolfgang Faber, Nicola Leone, and Gerald Pfeifer. dlv: a dlp system for ai. In *Sixth Congress of the Italian Association for Artificial Intelligence (AIIA '99)*, September 1999.
- [9] Wolfgang Faber, Nicola Leone, and Gerald Pfeifer. Pushing Goal Derivation in DLP Computations. In *Proceedings of the 5th International Conference on Logic Programming and Nonmonotonic Reasoning (LPNMR'99)*, Lecture Notes in AI (LNAI), pages 177–191, El Paso, Texas, USA, December 1999. Springer Verlag.

- [10] Wolfgang Faber, Nicola Leone, Cristinel Mateis, and Gerald Pfeifer. Using Database Optimization Techniques for Nonmonotonic Reasoning. In *Proceedings of the 7th International Workshop on Deductive Databases and Logic Programming (DDLP'99)*, pages 135–139, September 1999.
- [11] Francesco Buccafurri, Thomas Eiter, Georg Gottlob, and Nicola Leone. Enhancing model checking in verification by ai techniques. *Artificial Intelligence*, 112(1-2):57–104, 1999.
- [12] G. Gottlob, N. Leone, and F. Scarcello. Computing LOGCFL certificates. *Lecture Notes in Computer Science (ICALP99: Automata, Languages and Programming, 26th International Colloquium, Prague)*, 1644:361–371, 1999.
- [13] Georg Gottlob, Nicola Leone, and Francesco Scarcello. On the complexity of some inductive logic programming problems. *New Generation Computing*, 17(1):53–75, 1999.
- [14] Georg Gottlob, Nicola Leone, and Helmut Veith. Succinctness as a source of complexity in logical formalisms. *ANNALSPAL: Annals of Pure and Applied Logic*, 97, 1999.
- [15] Georg Gottlob. Review of a carnapian extension of s5. In Ewa Orlowska, editor, *Logic at Work*. Physica (Springer), 1999. ISBN 3-7908-1164-5.
- [16] Robert Baumgartner and Georg Gottlob. On the Complexity of Model Checking for Propositional Default Logics: New Results and Tractable Cases. In *Proceedings of the Sixteenth International Joint Conference on Artificial Intelligence, IJCAI 99, Stockholm*, 1999.
- [17] Francesco Buccafurri, Thomas Eiter, Georg Gottlob, and Nicola Leone. Applying abduction techniques to verification. In Jack Minker, editor, *Workshop on Logic-Based Artificial Intelligence, Washington, DC, June 14–16, 1999*, College Park, Maryland, 1999. Computer Science Department, University of Maryland. Workshop Notes.
- [18] T. Eiter, W. Faber, G. Gottlob, C. Koch, N. Leone, C. Mateis, G. Pfeifer, and F. Scarcello. The DLV system. In Jack Minker, editor, *Workshop on Logic-Based Artificial Intelligence, Washington, DC, June 14–16, 1999*, College Park, Maryland, 1999. Computer Science Department, University of Maryland. Workshop Notes.
- [19] Georg Gottlob, Erich Grädel, and Helmut Veith. Datalog LITE: Temporal versus deductive reasoning in verification. In Jack Minker, editor, *Workshop on Logic-Based Artificial Intelligence, Washington, DC, June 14–16, 1999*, College Park, Maryland, 1999. Computer Science Department, University of Maryland.
- [20] Georg Gottlob, Nicola Leone, and Francesco Scarcello. Hypertree decompositions and tractable queries. In *PODS 99: Proceedings of the Eighteenth ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems, May 31 - June 2, 1999, Philadelphia, Pennsylvania*, pages 21–32. ACM Press, 1999.
- [21] Georg Gottlob, Nicola Leone, and Francesco Scarcello. On tractable queries and constraints. In *Database and Expert Systems Applications, 10th International Conference, DEXA '99, Florence*, pages 1–15, 1999.

- [22] Georg Gottlob, Nicola Leone, and Francesco Scarcello. A comparison of structural csp decomposition methods. In *Proceedings of the Sixteenth International Joint Conference on Artificial Intelligence, IJCAI 99, Stockholm*, pages 394–399, 1999.
- [23] Georg Gottlob and Christos H. Papadimitriou. On the complexity of single-rule datalog queries. In *Logic Programming and Automated Reasoning, 6th International Conference, LPAR'99, Tbilisi, Georgia*, pages 201–222, 1999.
- [24] Georg Gottlob and Reinhard Pichler. Working with arms: Complexity results on atomic representations of herbrand models. In *LICS: 14th Annual IEEE Symposium on Logic in Computer Science, 2-5 July, 1999, Trento, Italy. IEEE Computer Society*, 1999, pages 306–315, 1999.
- [25] Georg Gottlob, Francesco Scarcello, and Martha Sideri. Fixed-parameter complexity in ai and nonmonotonic reasoning. In *Logic Programming and Nonmonotonic Reasoning, 5th International Conference, LPNMR'99, El Paso, Texas, USA*, pages 1–18, 1999.
- [26] Cristinel Mateis. Extending Disjunctive Logic Programming by T-norms. In Michael Gelfond, Nicola Leone, and Gerald Pfeifer, editors, *Proceedings of the 5th International Conference on Logic Programming and Nonmonotonic Reasoning (LPNMR '99)*, number 1730 in LNAI, pages 290–304, El Paso, USA, 1999. Springer.
- [27] Matthias Baaz and Helmut Veith. Interpolation in fuzzy logic. *Archive for Mathematical Logic*, 38(7):461–489, 1999.
- [28] Thomas Eiter, Georg Gottlob, and Helmut Veith. Generalized Quantifiers in Logic Programs. In J. Väänänen, editor, *Proceedings of the ESSLLI Workshop on Generalized Quantifiers, Aix-en-Provence*, volume 1754 of *LNCS*. Springer, 1999.
- [29] Matthias Baaz and Helmut Veith. Quantifier elimination in fuzzy logic. In *Proceedings Computer Science Logic (CSL)*, volume 1584 of *LNCS*, pages 399–414. Springer, 1999.
- [30] Matthias Baaz, Agata Ciabattoni, Christian Fermüller, and Helmut Veith. Undecidability of some sub-classical first-order logics: Urquhart’s C and related logics. In *Proc. Conference on Foundations of Software Technology and Theoretical Computer Science (FST&TCS '99)*, volume 1738 of *LNCS*. Springer, 1999.
- [31] Thomas Albrecht, Gerhard Friedrich, Stefan Rohringer, Markus Stumptner, and Franz Wotawa. The Design Diagnosis of VHDL Specifications Project (DDV) - Fault Localization in Hardware Designs. *Journal of the Austrian Society for Artificial Intelligence*, 1999.
- [32] Markus Stumptner and Franz Wotawa. Debugging Functional Programs. In *Proceedings 16th International Joint Conference on Artificial Intelligence (IJCAI-99)*, Stockholm, Sweden, August 1999.
- [33] Markus Stumptner and Franz Wotawa. Reconfiguration using model-based diagnosis. In *Proceedings of the Tenth International Workshop on Principles of Diagnosis (DX-99)*, Loch Awe, Scotland, 1999.
- [34] Markus Stumptner and Franz Wotawa. Detecting and locating faults in hardware designs. In *AAAI 99 Workshop on Intelligent Software Engineering*, Orlando, Florida, 1999.

- [35] Markus Stumptner and Franz Wotawa. Jade – java diagnosis experiments – status and outlook. In *IJCAI '99 Workshop on Qualitative and Model Based Reasoning for Complex Systems and their Control*, Stockholm, Sweden, 1999.
- [36] Franz Wotawa. New Directions in Debugging Hardware Designs. In *Proceedings of the Proceedings of the International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems (IEAAIE-99)*, 1999.
- [37] Franz Wotawa. Debugging synthesizable VHDL Programs. In *Proceedings of the Tenth International Workshop on Principles of Diagnosis (DX-99)*, 1999.
- [38] Dominik Wieland and Franz Wotawa. Local Maximum Ozone Concentration Prediction Using Neural Networks. In *AAAI-99 Workshop on Environmental Decision Support Systems and Artificial Intelligence (W7)*, 1999.
- [39] Franz Wotawa. Guest–Editorial Special Issue on Model-Based Reasoning. *AI Communications*, 12(1/2), 1999.
- [40] Gerhard Friedrich, Markus Stumptner, and Franz Wotawa. Model-based diagnosis of hardware designs. *Artificial Intelligence*, 111(2):3–39, July 1999.
- [41] Cristinel Mateis, Markus Stumptner, and Franz Wotawa. Debugging of Java Programs using a Model-Based Approach. In *Proceedings of the Tenth International Workshop on Principles of Diagnosis (DX-99)*, Loch Awe, Scotland, 1999.
- [42] Christian Piccardi and Franz Wotawa. Towards a framework for mobile diagnosis agents. In *Proceedings of the International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems (IEAAIE-99)*, 1999.
- [43] Wolfgang Slany. The graph Ramsey achievement game is PSPACE-complete. In A. Sali, M. Simonovits, and V.T. Sós, editors, *Research Communications of the conference held in memory of Paul Erdős (ERDŐS'99)*, pages 231–235, Budapest, July 1999. János Bolyai Mathematical Society.
- [44] S. Wahl, N. Muslija, R. Angelova, W. Slany, G. Herber, and M. Janke. Shiftplanassistant 4.0 – state of development. *Shiftwork International Newsletter*, 16(2):124, September 1999. Abstract presented at the XIV International Symposium on Night and Shiftwork, September 13-17, 1999, Wiesensteig, Germany.
- [45] Marcus Herzog and Riccardo Peratello. Integrating digital archives and multimedia production tools. In Jean-Yves Roger, Brian Stanford-Smith, and Paul T. Kidd, editors, *Business and Work in the Information Society: New Technologies and Applications*, pages 375 – 381. IOS Press/Ohmsha, 1999.
- [46] Francesco Buccafurri, Wolfgang Faber, and Nicola Leone. Disjunctive Logic Programs with Inheritance. In *Proceedings of the 16th International Conference on Logic Programming (ICLP '99)*, Las Cruces, New Mexico, USA, November 1999.
- [47] Christoph Koch and Nicola Leone. Stable model checking made easy. In *The International Joint Conferences on Artificial Intelligence (IJCAI) 1999*, pages 70–75, Stockholm, Sweden, August 1999.
- [48] Pasquale Rullo Nicola Leone, Simona Perri. Utilizzo di tecniche di ai per la programmazione logica disgiuntiva. In *Sixth Congress of the Italian Association for Artificial Intelligence (AIIA '99)*, Bologna, Italy, September 1999.

- [49] Domenico Saccà' Nicola Leone, Luigi Palopoli. On the complexity of search queries. In T. Ripke e K.D. Schewe T. Polle, editor, *Fundamentals of Information Systems*, pages 113–127. Kluwer Academic Publishers, 1999.
- [50] Gerald Pfeifer Michael Gelfond, Nicola Leone, editor. *Proceedings of the 5th International Conference on Logic Programming and Nonmonotonic Reasoning – LPNMR '99*. LNCS. Springer-Verlag, 1999.
- [51] Gerhard Fleischanderl, Gerhard Friedrich, Alois Haselböck, Herwig Schreiner, and Markus Stumptner. Reduktion von Entwicklungskosten durch wissenbasierte Konfiguration. *ÖGAI-Journal*, 18(1), 1999.
- [52] Alexander Felfernig, Gerhard Friedrich, Dietmar Jannach, and Markus Stumptner. Consistency based diagnosis of configuration knowledge-bases. In *Proceedings of the Tenth International Workshop on Principles of Diagnosis (DX-99)*, Loch Awe, June 1999.
- [53] T. Eiter, N. Leone, and D. Pearce. Answer Sets for Extended Logic Programs. In Jelle Gerbrandy, Maarten Marx, Maarten de Rijke, and Yde Venema, editors, *JFAK. Essays Dedicated to Johan van Benthem on the Occasion of his 50th Birthday*. Amsterdam University Press, 1999. ISBN 90 5629 104 1.
- [54] Francesco Buccafurri, Nicola Leone, and Pasquale Rullo. Semantics and expressiveness of disjunctive ordered logic. In Jürgen Dix and Jorge Lobo, editors, *Special Issue on Logic Programming and Nonmonotonic Reasoning*, volume 25 (3,4) of *Annals of Mathematics and Artificial Intelligence*, pages 311 – 337. Baltzer Publishers, 1999.
- [55] Mario Girsch. Requirements Of Reactive Scheduling Systems. In F. Puppe et al., editor, *Proceedings of the 5th German Conference on Knowledge-Based Systems (XPS-99)*, pages 98–106, Wrzburg, Germany, March 1999.