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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>

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References

- [1] Thomas Eiter, Wolfgang Faber, Christoph Koch, Nicola Leone, and Gerald Pfeifer. DLV – A System for Declarative Problem Solving. In Chitta Baral and Mirosław Trzuszczński, editors, *Proceedings of the 8th International Workshop on Non-Monotonic Reasoning (NMR'2000)*, Breckenridge, Colorado, USA, April 2000.
- [2] Thomas Eiter, Wolfgang Faber, Nicola Leone, Gerald Pfeifer, and Axel Polleres. Planning under incomplete knowledge. In John Lloyd, Veronica Dahl, Ulrich Furbach, Manfred Kerber, Kung-Kiu Lau, Catuscia Palamidessi, Luís Moniz Pereira, Yehoshua Sagiv, and Peter J. Stuckey, editors, *Computational Logic - CL 2000, First International Conference, London, UK, July 2000, Proceedings*, number 1861 in Lecture Notes in Artificial Intelligence, pages 807–821. Springer Verlag, 2000.
- [3] Thomas Eiter, Wolfgang Faber, Nicola Leone, Gerald Pfeifer, and Axel Polleres. Using the dl_v system for planning and diagnostic reasoning. In François Bry, Ulrich Geske, and Dietmar Seipel, editors, *Proceedings of the 14th Workshop on Logic Programming (WLP'99)*, pages 125–134. GMD – Forschungszentrum Informationstechnik GmbH, Berlin, January 2000. ISSN 1435-2702.
- [4] Thomas Eiter, Wolfgang Faber, Nicola Leone, and Gerald Pfeifer. Declarative problem-solving using the dl_v system. In Jack Minker, editor, *Logic-Based Artificial Intelligence*. Kluwer Academic Publishers, 2000.
- [5] Matthias Baaz and Helmut Veith. An axiomatization of quantified propositional Gödel logic using the Takeuti-Titani rule. In *Proc. Logic Colloquium 1998*, volume 13 of *Lecture Notes in Logic*, pages 91–104. Association for Symbolic Logic, 2000.
- [6] Matthias Baaz, Christian Fermüller, and Helmut Veith. An analytic calculus for quantified propositional Gödel logic. In *Proc. Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX 2000)*, volume 1847 of *LNCS*, pages 112–126. Springer, 2000.
- [7] Edmund Clarke, Orna Grumberg, Somesh Jha, Yuan Lu, and Helmut Veith. Counterexample-guided abstraction refinement. In *Proc. Computer-Aided Verification (CAV) 2000*, LNCS, pages 154–169, 2000.

- [8] Edmund Clarke, Yuan Lu, and Helmut Veith. A survey of abstract BDDs. In *Proc. 4th World Multiconference on Systemics, Cybernetics and Informatics (SCI)*, 2000.
- [9] Edmund Clarke, Steve German, Yuan Lu, Helmut Veith, and Dong Wang. Executable protocol specification in ESL. In *Proc. Formal Methods in Computer-Aided Design (FMCAD)*, volume 1954 of *LNCS*, pages 197–216. Springer, 2000.
- [10] Edmund Clarke, Nevin Heintze, and Helmut Veith, editors. *Proc. Workshop Formal Methods and Computer Security (FMCS)*, Chicago, 2000.
- [11] Alexander Felfernig, Gerhard Friedrich, Dietmar Jannach, and Markus Stumptner. An integrated development environment for the design and maintenance of large configuration knowledge bases. In *Proceedings Artificial Intelligence in Design*, Worcester MA, June 2000. Kluwer Academic Publishers.
- [12] Oliver Hoffmann and Markus Stumptner. A perspective based design model. In *AI in Design Workshop on Developing Support for Collaborative Design*, Worcester MA, June 2000.
- [13] M. Schrefl and M. Stumptner. Behavior consistent inheritance in uml. In *Proc. Intl. Entity-Relationship Conference (ER 2000)*, Salt Lake City, October 2000.
- [14] Alexander Felfernig, Gerhard Friedrich, Dietmar Jannach, and Markus Stumptner. Consistency based diagnosis of configuration knowledge bases. In *Proceedings of the European Conference on Artificial Intelligence (ECAI)*, Berlin, August 2000.
- [15] Alexander Felfernig, Gerhard Friedrich, Dietmar Jannach, and Markus Stumptner. Exploiting structural abstractions for consistency based diagnosis of large configurator knowledge bases. In *ECAI'2000 Workshop on Configuration*, Berlin, August 2000.
- [16] Franz Wotawa. Debugging VHDL Designs using Model-Based Reasoning. *Artificial Intelligence in Engineering*, 14(4):331–351, 2000.
- [17] Markus Stumptner and Franz Wotawa. Guest-Editorial Special Issue on Industrial Applications of Model-based Reasoning. *AI Communications*, 13(2), 2000.
- [18] Cristinel Mateis, Markus Stumptner, and Franz Wotawa. Modeling Java Programs for Diagnosis. In *Proceedings of the European Conference on Artificial Intelligence (ECAI)*, Berlin, Germany, August 2000.
- [19] Franz Wotawa and Gerhard Wotawa. Deriving Qualitative Rules from Neural Networks in Environmental Science – Preliminary Report. In *ECAI'2000 Workshop on Binding Environmental Science and Artificial Intelligence (BE-SAI'2000)*, Berlin, Germany, 2000.
- [20] Martin Ilkerl, Markus Stumptner, and Franz Wotawa. Model-based Diagnosis in Manufacturing. In *ECAI'2000 Workshop on Knowledge-Based Systems for Model-Based Engineering*, Berlin, Germany, 2000.
- [21] Gerhard Fleischanderl, Herwig Schreiner, Markus Stumptner, and Franz Wotawa. An Environment and Language for Industrial Use of Model-based Diagnosis. In *ECAI'2000 Workshop on Knowledge-Based Systems for Model-Based Engineering*, Berlin, Germany, 2000.

- [22] Cristinel Mateis, Markus Stumptner, and Franz Wotawa. Locating bugs in Java programs – first results of the Java Diagnosis Experiments (Jade) project. In *Proceedings of the International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems*, New Orleans, 2000. Springer-Verlag.
- [23] Cristinel Mateis, Markus Stumptner, and Franz Wotawa. A Value-Based Diagnosis Model for Java Programs. In *Proceedings of the Eleventh International Workshop on Principles of Diagnosis*, Morelia, Mexico, June 2000.
- [24] Cristinel Mateis, Markus Stumptner, Dominik Wieland, and Franz Wotawa. JADE - A Step towards an Intelligent Debugger. In *Proceedings of the Eleventh International Workshop on Principles of Diagnosis*, Morelia, Mexico, June 2000.
- [25] Thomas Havelka, Markus Stumptner, and Franz Wotawa. AD2L- A Programming Language for Model-Based Systems (Preliminary Report). In *Proceedings of the Eleventh International Workshop on Principles of Diagnosis*, Morelia, Mexico, June 2000.
- [26] Cristinel Mateis, Markus Stumptner, Dominik Wieland, and Franz Wotawa. JADE - AI Support for Debugging Java Programs. In *Proceedings of the 3rd Workshop on Intelligent Software Engineering*, Limerick, Ireland, June 2000.
- [27] Cristinel Mateis, Markus Stumptner, Dominik Wieland, and Franz Wotawa. JADE - AI Support for Debugging Java Programs. In *Proceedings of the 12th International Conference on Tools with Artificial Intelligence*, Canada, November 2000. Also appears in [26].
- [28] Cristinel Mateis, Markus Stumptner, Dominik Wieland, and Franz Wotawa. Model-Based Debugging of Java Programs. In *Proceedings of the Fourth International Workshop on Automatic Debugging (AADEBUG-00)*, Munich, Germany, 2000.
- [29] Markus Stumptner and Franz Wotawa. Using Model-Based Reasoning for Locating Faults in VHDL Designs. *Künstliche Intelligenz*, 14(4):62–67, 2000.
- [30] Jürgen Dorn. Expertensysteme für die Forstwirtschaft. *Forstzeitschrift*, 2000.
- [31] Jürgen Dorn. Planung von betrieblichen Abläufen durch Standardsoftware - ein Widerspruch? *Wirtschaftsinformatik*, 42(3):201–209, 2000.
- [32] Jürgen Dorn and Riccardo Peratello. Model-based quality management. In *Proceedings of the Eighth International Conference on Manufacturing Engineering - ICME 2000*, pages 468–472, Sydney, Australia, 2000.
- [33] Christoph Aigner, Jürgen Dorn, and Mario Girsch. Cooperation between a simulation environment and a reactive scheduling system. In *Proceedings of the Eighth International Conference on Manufacturing Engineering - ICME 2000*, pages 318–322, Sydney, Australia, 2000.
- [34] Frank Harary, Wolfgang Slany, and Oleg Verbitsky. A symmetric strategy in graph avoidance games. Manuscript presented at the Combinatorial Game Theory Research Workshop held at the Mathematical Sciences Research Institute in Berkeley, California, July 2000.

- [35] Nysret Muslija, Johannes Gärtner, and Wolfgang Slany. Efficient generation of rotating workforce schedules. In Edmund Burke and Wilhelm Erben, editors, *Proceedings of the 3rd int. conf. on the practice and theory of automated timetabling (PATAT 2000)*, pages 314–332, August 2000.
- [36] Wolfgang Slany. The complexity of graph Ramsey games. In Tony Marsland and Ian Frank, editors, *Proceedings of the 2nd International Conference on Computers and Games*, Hamamatsu, Japan, October 2000.
- [37] Wolfgang Slany. Theory and practice of shift scheduling. In *Proceedings of the Workshop on Algorithm Engineering as a New Paradigm: A Challenge to Hard Computation Problems*, Research Institute for Mathematical Science, Kyoto University, Japan, October 2000.
- [38] Wolfgang Slany. Manpower shift scheduling. In *Proceedings of the Eurofuse Workshop on Scheduling and Planning*, Mons, Belgium, April 2000.
- [39] Francesco Buccafurri, Nicola Leone, and Pasquale Rullo. Enhancing disjunctive datalog by constraints. *IEEE Transactions on Knowledge and Data Engineering*, 12(5), September 2000.
- [40] Francesco Buccafurri, Thomas Eiter, Georg Gottlob, and Nicola Leone. On actl formulas having deterministic counterexamples. *Journal of Computer and System Sciences*, 2000.
- [41] Georg Gottlob, Nicola Leone, and Francesco Scarcello. A comparison of structural CSP decomposition methods. *Artificial Intelligence*, 124(2):243–282, December 2000.
- [42] Georg Gottlob, Nicola Leone, and Francesco Scarcello. Advanced parallel algorithms for processing acyclic conjunctive queries, rules, and constraints. In *Proceedings of 2000 Conf. on Software Eng. and Knowledge Eng. – SEKE2000*, July 2000.
- [43] Nicola Leone, Simona Perri, and Pasquale Rullo. Local search techniques for disjunctive logic programs. In Evelina Lamma and Paola Mello, editors, *AI*IA'99: Advances in Artificial Intelligence*, number 1792 in Lecture Notes in Artificial Intelligence, pages 107–118. Springer, 2000.
- [44] Cristinel Mateis. Quantitative disjunctive logic programming: semantics and computation. *AI Communications*, 13(4), 2000.
- [45] Thomas Eiter and Georg Gottlob. Complexity Results for some Eigenvector Problems. *International Journal of Computer Mathematics*, 76:59–74, 2000.
- [46] Thomas Eiter, Yuri Gurevich, and Georg Gottlob. Existential second-order logic over strings. *Journal of the ACM*, 47(1):77–131, 2000.
- [47] Thomas Eiter and Georg Gottlob. On the Complexity of Theory Curbing. In *Proceedings of the 7th International Conference on for Programming and Automated Reasoning (LPAR)*, pages 1–19, Reunion Island, 2000.
- [48] Georg Gottlob, Erich Grädel, and Helmut Veith. *Logic and Artificial Intelligence*, chapter Linear Time Datalog and Branching Time Logic. Kluwer, 2000.