

Curriculum Vitae¹

Dr. Stefan WOLTRAN

1 Personal Data

Degrees: Privatdoz. Dipl.-Ing. (M.Sc.), Dr.techn. (Ph.D.)
Date and place of birth: January 8, 1975, Mödling (Austria)
Citizenship: Austrian citizen
Marital status: unmarried, no children
Current position: Assistant Professor (Univ.Ass.)
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2 Education

2008: Habilitation colloquium (for the *venia docendi* in “Information Systems”). Thesis: *Contributions to Advanced Equivalence Checking in Answer Set Programming*.
2001 – 2003: Doctoral Student of Computer Science at the Vienna Univ. of Technology.
Promotion as a Doctor *technicae* (Ph.D.) with distinction.
Subject: *Quantified Boolean Formulas - From Theory to Practice*;
(Advisors: Prof. Dr. Uwe Egly and Prof. Dr. Thomas Eiter).
1994 – 2001: Student of Computer Science at the Vienna University of Technology;
graduation as a Master of Science (M.Sc.) with distinction.
Thesis: *A Framework for Solving Advanced Reasoning Tasks*;
(Advisor: Prof. Dr. Uwe Egly);

3 Professional Record

since 06/2007: Assistant Professor (Univ.Ass.) at the Institute of Information Systems,
Database and Artificial Intelligence Group, Vienna Univ. of Technology.
07/2001 – 05/2007: Research assistant at the Institute of Information Systems,
Knowledge-Based Systems Group, Vienna Univ. of Technology.
06/2003 – 10/2003: Assistant Professor (interim; Univ.Ass.),
Knowledge-Based Systems Group, Vienna Univ. of Technology.

¹Full CV (in German) is available under <http://www.dbai.tuwien.ac.at/staff/woltran/>.

4 Project Experience

- **Project leader:**
New Methods for Analyzing, Comparing, and Solving Argumentation Problems;
funded by WWTF – Wiener Wissenschafts-, Forschungs- und Technologiefonds (ICT 08-028);
Project start: April 2009.
- **Project leader:**
dynASP - Dynamic Programming and Answer Set Programming;
funded by Vienna Univ. of Technology, Programme “Innovative Ideen” (9006.09/008);
Project start: March 2011.
- **Coordinator:**
Complexity of Argumentation; bilateral project Austria/France;
funded by Österreichischer Austauschdienst (ÖAD), Programme Amadée (FR 17/2011);
Partner: Nadia Creignou, Univ. Marseille;
Project start: January 2011.
- **Collaborator:**
Service-Oriented Data Integration;
funded by WWTF – Wiener Wissenschafts-, Forschungs- und Technologiefonds (ICT 080-032);
Project start: April 2009.
- **Collaborator:**
Turning Theoretical Tractability into Efficient Computation via Datalog;
funded by FWF – Fonds zur Förderung der wissenschaftlichen Forschung (P20704);
Project start: September 2008.
- **Main responsible project assistant:**
Formal Methods for Comparing and Optimizing Nonmonotonic Logic Programs;
funded by FWF – Fonds zur Förderung der wissenschaftlichen Forschung (P18019);
April 2005–May 2008.
- **Responsible for proposal and coordination at Vienna Univ. of Technology:**
Optimizing Logic Programs under the Answer-Set Programming Paradigm;
bilateral project Slovakia – Austria; funded by Slovenská akademická informaná agentúra (SAIA) and Österreichischer Austauschdienst (ÖAD);
November 2003–December 2004.
- **Responsible for coordination at node Vienna Univ. of Technology:**
WASP: Working Group on Answer Set Programming;
funded by European Commission (IST-FET-2001-37004);
September 2002–September 2005.
- **Main responsible project assistant:**
QUIP: A Computational Framework for Advanced Reasoning Tasks;
funded by FWF – Fonds zur Förderung der wissenschaftlichen Forschung (P15068);
July 2001–October 2004.

5 Research Visits

- October-December 2009: Prof. Gerhard Brewka, Univ. Leipzig, Germany.
- July 2009: Prof. James Delgrande, Simon Fraser University, Canada.
- October 2005/February 2007: Prof. David Pearce, Univ. Rey Juan Carlos, Madrid, Spain.
- August 2004/November 2005/December 2007: Prof. Torsten Schaub, Univ. Potsdam, Germany.
- June 2005: Prof. Nicola Leone, Universita della Calabria, Italy.

6 Awards and Honors

- 4th International Conference on Web Reasoning and Rule Systems (RR'10):
“best paper award”.
- 3rd International Conference on Computational Models of Argument (COMMA'10):
“best student-paper award” for a joint paper with my PhD student Sarah Alice Gaggl.
- Workshop of the European Working group on Answer Set Programming (ASP'05):
“best implementation-paper award”.
- 2002: **OCG-Förderpreis 2002**, an award for outstanding master theses in the field of Computer Science granted by the Austrian Computer Society (OCG).
- 2001: Research scholarship, Vienna Univ. of Technology.
- 2001: Windhagstipendium des Landes Niederösterreich (Lower Austrian scholarship).
- 2000: Research scholarship, Vienna Univ. of Technology.

7 Professional Service

- Program Co-Chair: *14th International Workshop on Non-Monotonic Reasoning* (NMR 2012), Rome, Italy.
- Area Editor: Newsletter of the Association for Logic Programming.
- Co-Chair of several international conferences and workshops including: *International Conference on Computational Models of Argument* (COMMA'12), *Doctoral Consortium on Logic Programming* at ICLP'12 and ICLP'11, Workshops on *Answer Set Programming and Other Computing Paradigms* (ASPOCP'11 and ASPOCP'10), MFCS/CSL Satellite Workshop on *Parameterized Complexity of Computational Reasoning* (PCCR'10), LPNMR-Workshop on *Correspondence and Equivalence for Nonmonotonic Theories* (CENT'07), and *Workshop on Logic Programming* (WLP'06).
- PC-member for several international conferences including: *5th International Conference on Agents and Artificial Intelligence* (ICAART 2013), *13th International Conference on Principles of Knowledge Representation and Reasoning* (KR 2012), *20th European Conference on Artificial Intelligence* (ECAI 2012), *28th International Conference on Logic Programming*

(ICLP 2012), *7th International Symposium on Foundations of Information and Knowledge Systems* (FoIKS 2012), *4th International Conference on Agents and Artificial Intelligence* (ICA-ART 2012), *22nd International Joint Conference on Artificial Intelligence* (IJCAI 2011), *25th Conference on Artificial Intelligence* (AAAI 2011) *27th International Conference on Logic Programming* (ICLP 2011), *11th International Conference on Logic Programming and Nonmonotonic Reasoning* (LPNMR 2011), *19th European Conference on Artificial Intelligence* (ECAI 2010), *26th International Conference on Logic Programming* (ICLP 2010), *25th Italian Conference on Computational Logic* (CILC 2010), *30 Years of Nonmonotonic Logic – International Conference 2010*, *21st International Joint Conference on Artificial Intelligence* (IJCAI 2009), *10th International Conference on Logic Programming and Nonmonotonic Reasoning* (LPNMR 2009), *23rd International Conference on Logic Programming* (ICLP 2007), *17th European Conference on Artificial Intelligence* (ECAI 2006), and *19th National Conference on Artificial Intelligence* (AAAI 2004).

- Reviewing for journals as *Artificial Intelligence* (AIJ), *Fundamenta Informaticae* (FI), *Annals of Mathematics and Artificial Intelligence* (AMAI), *Journal of Artificial Intelligence Research* (JAIR), *Theory and Practice of Logic Programming* (TPLP), *International Journal of Approximate Reasoning* (IJAR), *AI Communications* (AICOM), *Journal of Logic and Computation* (JLC), *Argument and Computation*, *Journal of Computer Science and Technology* (JCST), and *Journal of Philosophical Logic*; various conferences including IJCAI, AAAI, LICS, CADE, KR, ICLP, EDBT, ESWC, LPNMR, LPAR, JELIA, ICTAI, TABLEAUX, FOIKS, SUM, and SAT; and for Cambridge University Press.

8 Invited Talks, Lectures, and Panel Discussions

- *Belief Revision within Fragments of Propositional Logic*. Madeira Workshop on “Belief Revision and Argumentation”, Madeira, January 2012.
- *Panel Discussion / 1st International Workshop on the Theory and Applications of Formal Argumentation* (TAFA’11). Barcelona, July 2011.
- *Computational Aspects of Formal Argumentation*. TU Dresden. Candidate Lecture. Dresden, March 2011.
- *Computational Aspects of Abstract Argumentation*. Helsinki Graduate School in Computer Science and Engineering. Invited Lecture. Helsinki, September 2010.
- *Strong Equivalence in Argumentation (and other KR-Formalisms)*. 11th International Workshop on Computational Logic in Multi-Agent Systems. Invited Talk. Lisbon, August 2010.
- *Deciding Equivalence between Extended Datalog Programs. A Brief Survey*. Datalog 2.0 Workshop, Oxford, U.K., March 2010.
- *Belief Revision with Bounded Treewidth*. Dagstuhl Seminar Nr. 09351 “Information Processing, Rational Belief Change and Social Interaction”, Dagstuhl, August 2009.
- *“In der Informatik geht es genau so wenig um Computer, wie in der Astronomie um Teleskope”*. Invited talk for the event “20 Jahre EDVO-Abteilung in der HTL Wr. Neustadt”, April 2008.

- *On Solution Correspondences in Answer Set Programming: A General Framework (and Characterizations for the Ground Case)*. Dagstuhl Seminar Nr. 05171 “Nonmonotonic Reasoning, Answer Set Programming and Constraints”, Dagstuhl, April 2005.
- *Paraconsistent Reasoning via QBFs*. Dagstuhl Seminar Nr. 03241 “Inconsistency Tolerance”, Dagstuhl, Mai 2003.
- *On Implementing Nested Logic Programs*. Dagstuhl Seminar Nr. 02381 “Nonmonotonic Reasoning, Answer Set Programming and Constraints”, Dagstuhl, September 2002.

9 University Services

Unless stated otherwise, the following positions all refer to Vienna Univ. of Technology.

- *Faculty member* of the Doctoral Programme “Mathematical Logic in Computer Science”.
- Member of the *board of the faculty* of computer science.
- Member of the search committee for a chair in computer-aided verification.
- Member in habilitation committees.
- External Reviewer/Board Member for PhD Theses:
 - Federico Cerutti, Università degli Studi di Brescia. April 2012.
 - Marco Sirianni, Università degli Studi della Calabria, Rende. February 2012.
 - Roberto Confalonieri, Universitat Politècnica de Catalunya, Barcelona. December 2011.
 - Jozef Siška, Comenius University, Bratislava. November 2010.

10 Teaching Experience

Unless stated otherwise, courses refer to Vienna Univ. of Technology.

Lectures/Courses

- “Semi-structured Data” (2.0h per week, summer term (ST)). Undergraduate course with practical exercises for around 400 students per year; since ST08.
- “Deductive Databases” (2.0h, winter term (WT)); since WT05/06.
- “Abstract Argumentation” (3.0h), with Uwe Egly, Wolfgang Dvořák, Sarah Gaggl; ST10, WT11/12.
- Seminar “Principles of Scientific Work” (2.0h). Undergraduate course for beginners; ST10 and ST11.
- “Knowledge Representation” (2.0h, WT), with Prof. Gerhard Brewka, Univ. of Leipzig. WT09/10.
- Seminar “Formal Models of Argumentation” (2.0h, WT) with Prof. Gerhard Brewka, Univ. of Leipzig. WT09/10.
- “Logics for Knowledge Representation” (2.0h, ST), with Hans Tompits, ST05–ST07.
- Exercises for the course “Introduction to Knowledge-based Systems” (1.0h, ST), with Michael Fink, ST03.
- Various seminars on logic, AI, etc.

Teaching Assistant

- “Logic-oriented Programming Languages” (2.0h, WT), WT01/02–WT02/03.
- “Data Modelling” (2.0h, WT+ST), ST01.
- “Systems Programming” (2.0h, WT+ST), WT97/98–ST00.

Current PhD Students

- Günther Charwat, funded by TUWIEN Project 9006.09/008.
- Sarah Alice Gaggl, funded by WWTF Project ICT 08-028.
- Sylwia Polberg, funded by the PhD School of Informatics, TUWIEN.
- Stefan Rümmele, funded by FWF Project P20704.
- Johannes Wallner, funded by WWTF Project ICT 08-028.

Supervised PhD Theses

- Wolfgang Dvořák. *Computational Aspects of Abstract Argumentation*, 2012.
(Since May 2012 Wolfgang Dvořák has a post-doc position at the Research Group “Theory and Applications of Algorithms” at the University of Vienna, Austria.)
- Michael Jakl. *Fixed Parameter Algorithms for Answer Set Programming*. 2010.
- Martina Seidl. *A Solver for Quantified Boolean Formulas in Negation Normal Form*. 2007.
selected as “Ausgezeichnete Informatikdissertationen 2007” by Gesellschaft für Informatik (GI). (Since September 2010 Martina Seidl holds a full position at the the Institute for Formal Models and Verification at the Johannes Kepler Universität in Linz, Austria.)

Supervised Master’s Theses

- Günther Charwat. *Tree-Decomposition based Algorithms for Abstract Argumentation Frameworks*, 2012.
- Michael Morak. *dynASP - A Dynamic Programming-based Answer-Set Programming Solver*, 2011. Awarded with prize “*Würdigungspreis*” given by the Austrian Ministry for Science and Research.
- Andreas Pfandler. *Decentralized Diagnosis: Complexity Analysis and Datalog Encodings*, 2009.
- Anna Roubickova. *Complexity of Argumentation*, 2009.
- Wolfgang Dvořák. *Alternation as a Programming Paradigm*, 2009.
- Sarah Alice Gaggl. *Solving Argumentation Frameworks using Answer Set Programming*, 2009.
- Stefan Rümmele. *Efficient Counting with Bounded Treewidth using Datalog*, 2008. “*Distinguished Young Alumnus*”-Award given by the faculty of computer science.
- Jörg Pührer. *On Debugging of Propositional Answer-Set Programs*, 2007.
- Andreas Heindl. *On Replacements in Answer-Set Programming based On Partial Evaluation*, 2007.
- Patrick Traxler. *Techniques for Simplifying Disjunctive Datalog Programs with Negation*, 2006.
- Michael Zolda. *Comparing Different Prenexing Strategies for Quantified Boolean Formulas*, 2004.

Günther Charwat, Sarah Alice Gaggl, Andreas Pfandler, Jörg Pührer and Stefan Rümmele are currently employed at the Institute of Information Systems; Michael Zolda is research assistant at the Institute of Computer Engineering; (all at Vienna Univ. of Technology). Michael Morak is doing his PhD at the University of Oxford under the supervision of Prof. Georg Gottlob.

11 Publications

Journals

- [1] J. Delgrande, T. Schaub, H. Tompits and S. Woltran. A Model-Theoretic Approach to Belief Change in Answer Set Programming. To appear in *ACM Transactions on Computational Logic*, 2012.
- [2] S. Gaggl and S. Woltran. The cf2 Argumentation Semantics Revisited. To appear in *Journal of Logic and Computation*, 2012.
- [3] W. Dvořák, R. Pichler and S. Woltran. Towards Fixed-Parameter Tractable Algorithms for Abstract Argumentation. *Artificial Intelligence* 186(1): 1–37, 2012.
- [4] N. Creignou, J. Schmidt, M. Thomas and S. Woltran. Complexity of Logic-Based Argumentation in Post’s Framework. *Argument & Computation*, 2(2-3):107–129, 2011.
- [5] W. Dvořák and S. Woltran. On the Intertranslatability of Argumentation Semantics. *Journal of Artificial Intelligence Research* 41:445–475, 2011.
- [6] E. Oikarinen and S. Woltran. Characterizing Strong Equivalence for Argumentation Frameworks. *Artificial Intelligence* 175(14-15): 1985–2009, 2011.
- [7] U. Egly, S. Gaggl and S. Woltran. Answer-Set Programming Encodings for Argumentation Frameworks. *Argument and Computation* 1(2): 147–177, 2010.
- [8] W. Dvořák and S. Woltran. Complexity of Semi-Stable and Stage Semantics in Argumentation Frameworks. *Information Processing Letters* 110(11):425–430, 2010.
- [9] M. Truszczyński and S. Woltran. Relativized Hyperequivalence of Logic Programs for Modular Programming. *Theory and Practice of Logic Programming* 9(6):781–819, 2009.
- [10] T. Janhunen, E. Oikarinen, H. Tompits and S. Woltran. Modularity Aspects of Disjunctive Stable Models. *Journal of Artificial Intelligence Research* 35:813–857, 2009.
- [11] D. Pearce, H. Tompits and S. Woltran. Characterising Equilibrium Logic and Nested Logic Programs: Reductions and Complexity. *Theory and Practice of Logic Programming* 9(5):565–616, 2009.
- [12] P. Besnard, A. Hunter and S. Woltran. Encoding Deductive Argumentation in Quantified Boolean Formulae. *Artificial Intelligence* 173(15):1406–1434, 2009.
- [13] U. Egly, M. Seidl and S. Woltran. A Solver for QBFs in Nonprenex Form. *Constraints Journal* 14(1):38–79, 2009.
- [14] M. Truszczyński and S. Woltran. Hyperequivalence of Logic Programs with Respect to Supported Models. *Annals of Mathematics and Artificial Intelligence* 53(1-4): 331–365, 2008.
- [15] S. Woltran. A Common View on Strong, Uniform, and Other Notions of Equivalence in Answer-Set Programming. *Theory and Practice of Logic Programming* 8(2):217–234, 2008.

- [16] T. Eiter, W. Faber, M. Fink and S. Woltran. Complexity Results for Answer Set Programming with Bounded Predicate Arities and Implications. *Annals of Mathematics and Artificial Intelligence* 51(2–4):123–165, 2007.
- [17] T. Eiter, M. Fink and S. Woltran. Semantical Characterizations and Complexity of Equivalences in Answer Set Programming. *ACM Transactions on Computational Logic* 8(3), 2007. (53 pages)
- [18] U. Egly, R. Pichler and S. Woltran. On Deciding Subsumption Problems. *Annals of Mathematics and Artificial Intelligence* 43(1–4):255–294, 2005.
- [19] J. Delgrande, T. Schaub, H. Tompits and S. Woltran. On Computing Solutions to Belief Change Scenarios. *Journal of Logic and Computation* 14(6):801–826, 2004.

Contributions in Books

- [20] W. Faber and S. Woltran. Manifold Answer-Set Programs and Their Applications. In M. Balduccini and T.C. Son (eds.): *Logic Programming, Knowledge Representation, and Nonmonotonic Reasoning. Essays Dedicated to Michael Gelfond on the Occasion of His 65th Birthday*, pp. 44–63. Springer LNAI 6565, 2011.
- [21] P. Besnard, T. Schaub, H. Tompits and S. Woltran. Representing Paraconsistent Reasoning via Quantified Propositional Logic. In L. Bertossi, A. Hunter and T. Schaub (eds.): *Inconsistency Tolerance*, pp. 84–118. Springer LNCS 3300, 2005.

Conferences

- [22] W. Dvořák, M. Jarvisalo, J. Wallner and S. Woltran. Complexity-Sensitive Decision Procedures for Abstract Argumentation. *Proceedings of the 13th International Conference on Principles of Knowledge Representation and Reasoning (KR'12)*, to appear.
- [23] W. Faber, M. Truszczyński and S. Woltran. Strong Equivalence of Qualitative Optimization Problems. *Proceedings of the 13th International Conference on Principles of Knowledge Representation and Reasoning (KR'12)*, to appear.
- [24] N. Creignou, O. Papini, R. Pichler and S. Woltran. Belief Revision within Fragments of Propositional Logic. *Proceedings of the 13th International Conference on Principles of Knowledge Representation and Reasoning (KR'12)*, to appear.
- [25] M. Morak, N. Musliu, R. Pichler, S. Rümmele and S. Woltran. Evaluating Tree-Decomposition Based Algorithms for Answer Set Programming. *Proceedings of the 6th International Conference on Learning and Intelligent OptimizatioN (LION'12)*, to appear.
- [26] W. Dvořák, P. Dunne and S. Woltran. Parametric Properties of Ideal Semantics. *Proceedings of the 22nd International Joint Conference on Artificial Intelligence (IJCAI'11)*, pp. 851–856, IJCAI/AAAI 2011.
- [27] G. Brewka, P. Dunne and S. Woltran. Relating the Semantics of Abstract Dialectical Frameworks and Standard AFs. *Proceedings of the 22nd International Joint Conference on Artificial Intelligence (IJCAI'11)*, pp. 780–785, IJCAI/AAAI 2011.

- [28] S. Gaggl and S. Woltran. Strong Equivalence for Argumentation Semantics Based on Conflict-Free Sets. *Proceedings of the 11th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU'11)*, pp. 38–49, Springer LNCS 6716, 2011.
- [29] M. Morak, N. Musliu, R. Pichler, S. Rümmele and S. Woltran. A New Tree-Decomposition Based Algorithm for Answer Set Programming. *Proceedings of the 23rd International Conference on Tools with Artificial Intelligence (ICTAI'11)*, pp. 916–918, IEEE, 2011.
- [30] S. Woltran. Equivalence between Extended Datalog Programs — A Brief Survey. *Datalog Reloaded. First International Workshop, Datalog 2010, Revised Selected Papers*, pp. 106–119, Springer LNCS 6702, 2011.
- [31] R. Pichler, A. Polleres, S. Skritek and S. Woltran. Redundancy Elimination on RDF Graphs in the Presence of Rules, Constraints, and Queries. *Proceedings of the 4th International Conference on Web Reasoning and Rule Systems (RR'10)*, pp. 133–148, Springer LNCS 6333, 2010.
- [32] S. Gaggl and S. Woltran. cf2 Semantics Revisited.. *Proceedings of the 3rd International Conference on Computational Models of Argument (COMMA'10)*, pp. 243–254, IOS Press, 2010.
- [33] W. Dvořák, S. Szeider and S. Woltran. Reasoning in Argumentation Frameworks of Bounded Clique-Width. *Proceedings of the 3rd International Conference on Computational Models of Argument (COMMA'10)*, pp. 219–230, IOS Press, 2010.
- [34] G. Brewka, M. Truszczyński and S. Woltran. Representing Preferences Among Sets. *Proceedings of the 24th AAAI Conference on Artificial Intelligence (AAAI'10)*, pp. 273–278, AAAI Press, 2010.
- [35] R. Pichler and S. Woltran. The Complexity of Handling Minimal Solutions in Logic-Based Abduction. *Proceedings of the 19th European Conference on Artificial Intelligence (ECAI'10)*, pp. 895–900, IOS Press, 2010.
- [36] G. Brewka and S. Woltran. Abstract Dialectical Frameworks. *Proceedings of the 12th International Conference on the Principles of Knowledge Representation and Reasoning (KR'10)*, pp. 102–111, AAAI Press, 2010.
- [37] R. Pichler, S. Rümmele, S. Szeider and S. Woltran. Tractable Answer-Set Programming with Weight Constraints: Bounded Treewidth is not Enough. *Proceedings of the 12th International Conference on the Principles of Knowledge Representation and Reasoning (KR'10)*, pp. 508–517, AAAI Press, 2010.
- [38] W. Dvořák, R. Pichler and S. Woltran. Towards Fixed-Parameter Tractable Algorithms for Argumentation. *Proceedings of the 12th International Conference on the Principles of Knowledge Representation and Reasoning (KR'10)*, pp. 112–122, AAAI Press, 2010.
- [39] E. Oikarinen and S. Woltran. Characterizing Strong Equivalence for Argumentation Frameworks. *Proceedings of the 12th International Conference on the Principles of Knowledge Representation and Reasoning (KR'10)*, pp. 123–133, AAAI Press, 2010.
- [40] R. Pichler, S. Rümmele and S. Woltran. Multicut Algorithms via Tree Decompositions. *Proceedings of the 7th International Conference on Algorithms and Complexity (CIAC'10)*, pp. 167–179, Springer LNCS 6078, 2010.

- [41] N. Creignou, J. Schmidt, M. Thomas and S. Woltran. Sets of Boolean Connectives That Make Argumentation Easier. *Proceedings of the 12th European Conference on Logics in Artificial Intelligence (JELIA'10)*, pp. 117–129, Springer LNCS 6341, 2010.
- [42] M. Morak, R. Pichler, S. Rümmele and S. Woltran. A Dynamic-Programming Based ASP-Solver. *Proceedings of the 12th European Conference on Logics in Artificial Intelligence (JELIA'10)*, pp. 369–372, Springer LNCS 6341, 2010.
- [43] R. Pichler, S. Rümmele and S. Woltran. Counting and Enumeration Problems with Bounded Treewidth. *Proceedings of the 16th International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR'10)*, pp. 387–404, Springer LNCS 6355, 2010.
- [44] M. Jakl, R. Pichler and S. Woltran. Answer-Set Programming with Bounded Treewidth. *Proceedings of the 21st International Joint Conference on Artificial Intelligence (IJCAI'09)*, pp. 816–822, AAAI Press, 2009.
- [45] W. Dvořák, G. Gottlob, R. Pichler and S. Woltran. Alternation as a Programming Paradigm. *Proceedings of the 11th ACM SIGPLAN Conference on Principles and Practice of Declarative Programming (PPDP'09)*, pp. 61–72, ACM, 2009.
- [46] W. Faber and S. Woltran. Manifold Answer-Set Programs for Meta-reasoning. *Proceedings of the 10th International Conference on Logic Programming and Nonmonotonic Reasoning (LPNMR'09)*, pp. 115–128, Springer LNAI 5753, 2009.
- [47] R. Pichler, S. Rümmele and S. Woltran. Belief Revision with Bounded Treewidth. *Proceedings of the 10th International Conference on Logic Programming and Nonmonotonic Reasoning (LPNMR'09)*, pp. 250–263, Springer LNAI 5753, 2009.
- [48] J. Oetsch, M. Seidl, H. Tompits and S. Woltran. ccT on Stage: Generalised Uniform Equivalence Testing for Verifying Student Assignment Solutions. *Proceedings of the 10th International Conference on Logic Programming and Nonmonotonic Reasoning (LPNMR'09)*, pp. 382–395, Springer LNAI 5753, 2009.
- [49] J. Delgrande, T. Schaub, H. Tompits and S. Woltran. Merging Logic Programs under Answer Set Semantics. *Proceedings of the 25th International Conference on Logic Programming (ICLP'09)*, pp. 160–174, Springer LNCS 5649, 2009.
- [50] M. Truszczyński and S. Woltran. Relativized Hyperequivalence of Logic Programs for Modular Programming. *Proceedings of the 24th International Conference on Logic Programming (ICLP'08)*, pp. 576–590, Springer LNCS 5366, 2008.
- [51] J. Pührer, H. Tompits and S. Woltran. Elimination of Disjunction and Negation in Answer-Set Programs under Hyperequivalence. *Proceedings of the 24th International Conference on Logic Programming (ICLP'08)*, pp. 561–575, Springer LNCS 5366, 2008.
- [52] U. Egly, S. Gaggl and S. Woltran. ASPARTIX: Implementing Argumentation Frameworks Using Answer-Set Programming. *Proceedings of the 24th International Conference on Logic Programming (ICLP'08)*, pp. 734–738, Springer LNCS 5366, 2008.
- [53] M. Jakl, R. Pichler, S. Rümmele and S. Woltran. Fast Counting with Bounded Treewidth. *Proceedings of the 15th International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR'08)*, pp. 436–450. Springer LNCS 5330, 2008.

- [54] W. Faber, H. Tompits and S. Woltran. Notions of Strong Equivalence for Logic Programs with Ordered Disjunction. *Proceedings of the 11th International Conference on Principles of Knowledge Representation and Reasoning (KR'08)*, pp. 433–443. AAAI Press, 2008.
- [55] J. Delgrande, T. Schaub, H. Tompits and S. Woltran. Belief Revision of Logic Programs under Answer Set Semantics. *Proceedings of the 11th International Conference on Principles of Knowledge Representation and Reasoning (KR'08)*, pp. 411–421. AAAI Press, 2008.
- [56] M. Truszczyński and S. Woltran. Hyperequivalence of Logic Programs with Respect to Supported Models. *Proceedings of the 23rd National Conference on Artificial Intelligence (AAAI'08)*, pp. 560–565, AAAI Press, 2008.
- [57] R. Pichler, A. Polleres, F. Wei and S. Woltran. Entailment for Domain-restricted RDF. *Proceedings of the 5th Annual European Semantic Web Conference (ESWC'08)*, pp. 200–214, Springer LNCS 5021, 2008.
- [58] M. Gebser, T. Schaub, H. Tompits and S. Woltran. Alternative Characterizations for Program Equivalence under Answer-Set Semantics based on Unfounded Sets. *Proceedings of the 5th International Symposium on Foundations of Information and Knowledge Systems (FoIKS'08)*, pp. 24–41, Springer LNCS 4932, 2007.
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