

List of Publications

Dr. Uwe EGLY

Edited Proceedings

- [1] Carsten Sinz and Uwe Egly, editors. *Theory and Applications of Satisfiability Testing - SAT 2014 - 17th International Conference, Held as Part of the Vienna Summer of Logic, VSL 2014, Vienna, Austria, July 14-17, 2014. Proceedings*, volume 8561 of *Lecture Notes in Computer Science*. Springer, 2014.
- [2] Alexander Reiterer, Uwe Egly, Michael Heinert, and Björn Riedel, editors. *Second International Workshop on Applications of Artificial Intelligence in Engineering Geodesy (AIEG)*, Braunschweig, Germany, June 2010.
- [3] Alexander Reiterer and Uwe Egly, editors. *First International Workshop on Applications of Artificial Intelligence in Engineering Geodesy (AIEG)*, Vienna, Austria, December 2008.
- [4] Uwe Egly and Christian G. Fermüller, editors. *Automated Reasoning with Analytic Tableaux and Related Methods, International Conference, TABLEAUX 2002, Copenhagen, Denmark, July 30 - August 1, 2002, Proceedings*, volume 2381 of *Lecture Notes in Computer Science*. Springer, 2002.

Contributions to Books and Handbooks

- [1] Matthias Baaz, Uwe Egly, and Alexander Leitsch. Normal form transformations. In John Alan Robinson and Andrei Voronkov, editors, *Handbook of Automated Reasoning*, pages 273–333. Elsevier and MIT Press, 2001.
- [2] Uwe Egly and Hans Tompits. Some strengths of nonmonotonic reasoning. In Steffen Hölldobler, editor, *Intellectics and Computational Logic*, volume 19 of *Applied Logic Series*, pages 125–141. Kluwer, 2000.
- [3] Matthias Baaz, Uwe Egly, and Alexander Leitsch. Extension Methods in Automated Deduction. In W. Bibel and P. Schmitt, editors, *Automated Deduction — A Basis for Applications*, volume II, part 4, chapter 12, pages 331–360. Kluwer Academic Press, 1998.
- [4] Uwe Egly. Cuts in Tableaux. In W. Bibel and P. Schmitt, editors, *Automated Deduction — A Basis for Applications*, volume I, part 1, chapter 4, pages 103–132. Kluwer Academic Press, 1998.

Publications in Journals

- [1] Nadia Creignou, Hervé Daudé, Uwe Egly, and Raphael Rossignol. Exact location of the phase transition for random (1,2)-qsat. *RAIRO - Theoretical Informatics and Applications*, 2014. Accepted for publication.
- [2] Nadia Creignou, Uwe Egly, and Johannes Schmidt. Complexity classifications for logic-based argumentation. *ACM Trans. Comput. Log.*, 15(3):19, 2014.
- [3] Alexander Reiterer, Uwe Egly, Tanja Vicovac, Enrico Mai, Shahram Moafipoor, Dorota A. Grejner-Brzezinska, and Charles K. Toth. Application of artificial intelligence in geodesy—A review of theoretical foundations and practical examples. *Journal of Applied Geodesy*, 4(4):201–217, 2010.
- [4] Uwe Egly, Sarah A. Gaggl, and Stefan Woltran. Answer-set programming encodings for argumentation frameworks. *Argumentation and Computation*, 1(2):147–177, 2010.
- [5] Uwe Egly and Leopold Haller. A SAT solver for circuits based on the tableau method. *KI*, 24(1):15–23, 2010.
- [6] Uwe Egly, Martina Seidl, and Stefan Woltran. A solver for QBFs in negation normal form. *Constraints*, 14(1):38–79, 2009.
- [7] A. Reiterer, M. Lehmann, M. Miljanovic, H. Ali, G. Paar, U. Egly, T. Eiter, and H. Kahmen. A 3D optical deformation measurement system supported by knowledge-based and learning techniques. *Journal of Applied Geodesy*, 3(1):1–13, 2009.
- [8] Alexander Reiterer, Uwe Egly, Thomas Eiter, and Heribert Kahmen. A knowledge-based videotheodolite measurement system for object representation/monitoring. *Advances in Engineering Software*, 39(10):821–827, 2008.
- [9] A. Reiterer, M. Lehmann, M. Miljanovic, H. Ali, G. Paar, U. Egly, T. Eiter, and H. Kahmen. Ein bildgestütztes 3D Deformationsmesssystem (An image-based 3D deformation measurement system) (poster). *Journal of Alpine Geology, Pangeo 2008”, Mitt. Ges. Geol. Bergbaustud. sterr.*, 49:87, 2008. ISSN: 1563-0846.
- [10] Nadia Creignou, Hervé Daudé, and Uwe Egly. Phase transition for random quantified XOR-formulas. *J. Artif. Intell. Res. (JAIR)*, 29:1–18, 2007.
- [11] Uwe Egly, Reinhard Pichler, and Stefan Woltran. On deciding subsumption problems. *Ann. Math. Artif. Intell.*, 43(1):255–294, 2005.
- [12] Uwe Egly, Bernhard Schieman, and Josef Schneeberger. Technical documentation authoring based on semantic web methods. *KI*, 19(2):56–59, 2005.
- [13] Alexander Reiterer, Heribert Kahmen, Uwe Egly, and Thomas Eiter. Wissensbasierte Bildaufbereitung für ein videotheodolit-basiertes Multisensorsystem. *Allgemeine Vermessungs-Nachrichten (AVN)*, 111:202–208, 2004. (In German).
- [14] Klaus Chmelina, Heribert Kahmen, Thomas Eiter, and Uwe Egly. Heuristische Echtzeit-Fehlererkennung bei Deformationsmessungen während des Tunnelvortriebs. *Zeitschrift für Vermessungswesen (ZfV)*, 128(5):333–340, 2003. (In German).

- [15] Uwe Egly and Hans Tompits. On different proof-search strategies for orthologic. *Studia Logica*, 73(1):131–152, 2003.
- [16] Alexander Reiterer, Heribert Kahmen, Uwe Egly, and Thomas Eiter. 3D-Vermessung mit Videotheodoliten und automatisierte Zielpunkterfassung mit Hilfe von Interest-Operatoren. *Allgemeine Vermessungs-Nachrichten (AVN)*, 110:150–156, 2003. (In German).
- [17] Uwe Egly and Hans Tompits. Proof-complexity results for nonmonotonic reasoning. *ACM Trans. Comput. Log.*, 2(3):340–387, 2001.
- [18] Uwe Egly. On different intuitionistic calculi and embeddings from Int to S4. *Studia Logica*, 69(2):249–277, 2001.
- [19] Uwe Egly and Thomas Rath. Practically useful variants of definitional translations to normal form. *Inf. Comput.*, 162(1-2):255–264, 2000.
- [20] Uwe Egly and Stephan Schmitt. On intuitionistic proof transformations, their complexity, and application to constructive program synthesis. *Fundam. Inform.*, 39(1-2):59–83, 1999.
- [21] Uwe Egly. An answer to an open problem of Urquhart. *Theor. Comput. Sci.*, 198(1-2):201–209, 1998.
- [22] Uwe Egly and Stephan Schmitt. Intuitionistic proof transformations: Complexity and applications. *Electr. Notes Theor. Comput. Sci.*, 17, 1998.
- [23] Uwe Egly. On definitional transformations to normal form for intuitionistic logic. *Fundam. Inform.*, 29(1-2):165–201, 1997.
- [24] Uwe Egly. On different structure-preserving translations to normal form. *J. Symb. Comput.*, 22(2):121–142, 1996.
- [25] U. Egly and T. Rath. The Halting Problem: An Automatically Generated Proof. *AAR Newsletter*, 30:10–16, 1995.

Publications in Conferences and Symposia

- [1] Uwe Egly, Martin Kronegger, Florian Lonsing, and Andreas Pfandler. Conformant planning as a case study of incremental QBF solving. In *Proc. of the 12th International Conference on Artificial Intelligence and Symbolic Computation (AISC 2014)*, 2014. To appear.
- [2] R. Bloem, U. Egly, P. Klampfl, R. Koenighofer, and F. Lonsing. SAT-based methods for circuit synthesis. In *Proc. Formal Methods in Computer-Aided Design (FMCAD)*, 2014. To appear.
- [3] Florian Lonsing and Uwe Egly. Incremental QBF solving. In *Principles and Practice of Constraint Programming - 20th International Conference, CP 2014, Lyon, France, September 8-12, 2014. Proceedings*, pages 514–530, 2014.
- [4] Florian Lonsing and Uwe Egly. Incremental QBF solving by DepQBF. In Hoon Hong and Chee Yap, editors, *ICMS*, volume 8592 of *Lecture Notes in Computer Science*, pages 307–314. Springer, 2014.

- [5] Uwe Egly, Florian Lonsing, and Magdalena Widl. Long-distance resolution: Proof generation and strategy extraction in search-based QBF solving. In Kenneth L. McMillan, Aart Middeldorp, and Andrei Voronkov, editors, *LPAR*, volume 8312 of *Lecture Notes in Computer Science*, pages 291–308. Springer, 2013.
- [6] Florian Lonsing, Uwe Egly, and Allen Van Gelder. Efficient clause learning for quantified boolean formulas via QBF pseudo unit propagation. In Matti Jarvisalo and Allen Van Gelder, editors, *SAT*, volume 7962 of *Lecture Notes in Computer Science*, pages 100–115. Springer, 2013.
- [7] Magdalena Widl, Armin Biere, Petra Brosch, Uwe Egly, Marijn Heule, Gerti Kappel, Martina Seidl, and Hans Tompits. Guided merging of sequence diagrams. In Krzysztof Czarnecki and Görel Hedin, editors, *SLE*, volume 7745 of *Lecture Notes in Computer Science*, pages 164–183. Springer, 2012.
- [8] Nadia Creignou, Uwe Egly, and Johannes Schmidt. Complexity of logic-based argumentation in Schaefer’s framework. In Bart Verheij, Stefan Szeider, and Stefan Woltran, editors, *COMMA*, volume 245 of *Frontiers in Artificial Intelligence and Applications*, pages 237–248. IOS Press, 2012.
- [9] Uwe Egly. On sequent systems and resolution for QBFs. In Alessandro Cimatti and Roberto Sebastiani, editors, *SAT*, volume 7317 of *Lecture Notes in Computer Science*, pages 100–113. Springer, 2012.
- [10] Petra Brosch, Uwe Egly, Sebastian Gabmeyer, Gerti Kappel, Martina Seidl, Hans Tompits, Magdalena Widl, and Manuel Wimmer. Towards scenario-based testing of UML diagrams. In *TAP*, pages 149–155, 2012.
- [11] Nadia Creignou, Uwe Egly, and Martina Seidl. A framework for the specification of random SAT and QSAT formulas. In *TAP*, pages 163–168, 2012.
- [12] Petra Brosch, Uwe Egly, Sebastian Gabmeyer, Gerti Kappel, Martina Seidl, Hans Tompits, Magdalena Widl, and Manuel Wimmer. Towards semantics-aware merge support in optimistic model versioning. In *Proceedings of the Models and Evolution Workshop @ MoDELS’11*, 2011. Selected for publication in the MODELS Satellite Proceedings Springer LNCS volume.
- [13] Tanja Vicovac, Alexander Reiterer, Uwe Egly, Thomas Eiter, and Dirk Rieke-Zapp. Knowledge-based geo-risk assessment for an intelligent measurement system. In M. Bramer, editor, *Artificial Intelligence in Theory and Practice III; IFIP Advances in Information and Communication Technology*, pages 215–224. Springer, 2010.
- [14] N. Creignou, H. Daudé, U. Egly, and R. Rossignol. (1, 2)-QSAT: A good candidate for understanding phase transitions mechanisms. In O. Kullmann, editor, *Theory and Applications of Satisfiability Testing - SAT 2009, 12th International Conference, SAT 2009, Swansea, UK, June 30 - July 3, 2009. Proceedings*, volume 5584 of *Lecture Notes in Computer Science*, pages 363–376. Springer, 2009.
- [15] Tanja Vicovac, Alexander Reiterer, Uwe Egly, Thomas Eiter, and Dirk Rieke-Zapp. First development steps for an automated knowledge-based deformation interpretation system. In H. Kahmen A. Grün, editor, *9th Conference on Optical 3-D Measurement Techniques*, pages 61–90, March 2009. ISBN: 978-3-9501492-5-8.

- [16] Nadia Creignou, Hervé Daudé, Uwe Egly, and Raphaël Rossignol. New results on the phase transition for random quantified boolean formulas. In Hans Kleine Büning and Xishun Zhao, editors, *Theory and Applications of Satisfiability Testing - SAT 2008, 11th International Conference, SAT 2008, Guangzhou, China, May 12-15, 2008. Proceedings*, volume 4996 of *Lecture Notes in Computer Science*, pages 34–47. Springer, 2008.
- [17] Uwe Egly, Sarah Alice Gaggl, and Stefan Woltran. Aspartix: Implementing argumentation frameworks using answer-set programming. In Maria Garcia de la Banda and Enrico Pontelli, editors, *Logic Programming, 24th International Conference, ICLP 2008, Udine, Italy, December 9-13 2008, Proceedings*, volume 5366 of *Lecture Notes in Computer Science*, pages 734–738. Springer, 2008.
- [18] A. Reiterer, M. Lehmann, M. Miljanovic, H. Ali, G. Paar, U. Egly, T. Eiter, and H. Kahmen. Deformation monitoring using a new kind of optical 3d measurement system: components and perspectives. In *13th FIG International Symposium on Deformation Measurements and Analysis; 4th IAG Symposium on Geodesy for Geotechnical and Structural Engineering*, Lissabon, Portugal, December 2008. 10 pages.
- [19] Nadia Creignou, Hervé Daudé, and Uwe Egly. Phase transition for random quantified XOR-formulas. In *Proceedings of the Guangzhou Symposium on Satisfiability in Logic-Based Modeling*, September 2006.
- [20] Uwe Egly, Martina Seidl, and Stefan Woltran. A solver for QBFs in nonprenex form: Overview and experimental results. In *Proceedings of the Guangzhou Symposium on Satisfiability in Logic-Based Modeling*, September 2006. (Invited).
- [21] Uwe Egly, Martina Seidl, and Stefan Woltran. A solver for QBFs in nonprenex form. In Gerhard Brewka, Silvia Coradeschi, Anna Perini, and Paolo Traverso, editors, *ECAI 2006, 17th European Conference on Artificial Intelligence, August 29 - September 1, 2006, Riva del Garda, Italy, Including Prestigious Applications of Intelligent Systems (PAIS 2006), Proceedings*, volume 141 of *Frontiers in Artificial Intelligence and Applications*, pages 477–481. IOS Press, 2006.
- [22] Uwe Egly and Stefan Woltran. Reasoning in argumentation frameworks using quantified boolean formulas. In Paul E. Dunne and Trevor J. M. Bench-Capon, editors, *Computational Models of Argument: Proceedings of COMMA 2006, September 11-12, 2006, Liverpool, UK*, volume 144 of *Frontiers in Artificial Intelligence and Applications*, pages 133–144. IOS Press, 2006.
- [23] Alexander Reiterer, Uwe Egly, Thomas Eiter, and Heribert Kahmen. A knowledge based decision system for an image based measurement system. In B.H.V. Topping, editor, *AICC*, pages 35–36. Civil-Comp Press, 2005.
- [24] A. Reiterer, H. Kahmen, U. Egly, T. Eiter, and G. Paar. A smart videometric system. In A. Grün and H. Kahmen, editors, *Proceedings 8th Conference on Optical 3D Measurement Techniques*, pages 370–375, Vienna, 3-10 October, 2005. ISBN 3-9501492-2-8.
- [25] U. Egly, G. Novak, and D. Weber. Decision making for MiroSOT soccer playing robots. In *First CLAWAR/EURON/IARP Workshop on Robots in Entertainment, Leisure and Hobby*, pages 69–72, Vienna, Austria, April 2005.

- [26] Uwe Egly, Bernhard Schieman, and Josef Schneeberger. Technical documentation and semantic web based methods. In *Proceedings of the First IFIP Conference on Artificial Intelligence Application and Innovations (AIAI 2004)*, pages 214–228, 2004.
- [27] Alexander Reiterer, Uwe Egly, Thomas Eiter, and Heribert Kahmen. A knowledge-based videometric measurement system. In *Proceedings of the First IFIP Conference on Artificial Intelligence Application and Innovations (AIAI 2004)*, pages 313–322, 2004.
- [28] Uwe Egly, Martina Seidl, Hans Tompits, Stefan Woltran, and Michael Zolda. Comparing different prenexing strategies for quantified boolean formulas. In Enrico Giunchiglia and Armando Tacchella, editors, *Theory and Applications of Satisfiability Testing, 6th International Conference, SAT 2003. Santa Margherita Ligure, Italy, May 5-8, 2003 Selected Revised Papers*, volume 2919 of *Lecture Notes in Computer Science*, pages 214–228. Springer, 2003.
- [29] Alexander Reiterer, Heribert Kahmen, Uwe Egly, and Thomas Eiter. Knowledge-based image preprocessing for a theodolit measurement system. In A. Grün and H. Kahmen, editors, *Proceedings of the 6th Conference on Optical 3D Measurement Techniques (DMT03)*, pages 183–190, 2003.
- [30] Uwe Egly. Embedding lax logic into intuitionistic logic. In Andrei Voronkov, editor, *Automated Deduction - CADE-18, 18th International Conference on Automated Deduction, Copenhagen, Denmark, July 27-30, 2002, Proceedings*, volume 2392 of *Lecture Notes in Computer Science*, pages 78–93. Springer, 2002.
- [31] Uwe Egly. Properties of embeddings from Int to S4. In Roy Dyckhoff, editor, *Automated Reasoning with Analytic Tableaux and Related Methods, International Conference, TABLEUX 2000, St Andrews, Scotland, UK, July 3-7, 2000, Proceedings*, volume 1847 of *Lecture Notes in Computer Science*, pages 205–219. Springer, 2000.
- [32] Uwe Egly, Thomas Eiter, Hans Tompits, and Stefan Woltran. Solving advanced reasoning tasks using quantified boolean formulas. In *Proceedings of the Seventeenth National Conference on Artificial Intelligence and Twelfth Conference on Innovative Applications of Artificial Intelligence, July 30 - August 3, 2000, Austin, Texas, USA*, pages 417–422. AAAI Press / The MIT Press, 2000.
- [33] Uwe Egly, Michael Fink, Axel Polleres, and Hans Tompits. A web-based tutoring tool for calculating default logic extensions. In *WebNet*, pages 1251–1252, 1999.
- [34] Uwe Egly. Quantifiers and the system KE: Some surprising results. In Georg Gottlob, Etienne Grandjean, and Katrin Seyr, editors, *CSL*, volume 1584 of *Lecture Notes in Computer Science*, pages 90–104. Springer, 1998.
- [35] Uwe Egly and Gernot Koller. JQuest: ein javabasiertes designtool für elektronische Fragebogen im Internet. In Manfred Sommer, Werner Remmele, and Konrad Klöckner, editors, *Interaktion im Web - Innovative Kommunikationsformen, Fachtagung und Kongreß des German Chapter of the ACM, der Gesellschaft für Informatik (GI) sowie Fachbereich Mathematik und Informatik der Philipps-Universität Marburg/Lahn am 12. und 13. Mai 1998 in Marburn/Lahn*, volume 50 of *Berichte des German Chapter of the ACM*, pages 33–43. Teubner, 1998.

- [36] Uwe Egly and Stephan Schmitt. Intuitionistic proof transformations and their application to constructive program synthesis. In Jacques Calmet and Jan A. Plaza, editors, *Artificial Intelligence and Symbolic Computation, International Conference AISC'98, Plattsburgh, New York, USA, September 16-18, 1998, Proceedings*, volume 1476 of *Lecture Notes in Computer Science*, pages 132–144. Springer, 1998.
- [37] Uwe Egly and Hans Tompits. On proof complexity of circumscription. In Harrie C. M. de Swart, editor, *Automated Reasoning with Analytic Tableaux and Related Methods, International Conference, TABLEAUX '98, Oisterwijk, The Netherlands, May 5-8, 1998, Proceedings*, volume 1397 of *Lecture Notes in Computer Science*, pages 141–155. Springer, 1998.
- [38] Matthias Baaz, Uwe Egly, and Christian G. Fermüller. Lean induction principles for tableaux. In Didier Galmiche, editor, *Automated Reasoning with Analytic Tableaux and Related Methods, International Conference, TABLEAUX '97, Pont-à-Mousson, France, May 13-16, 1997, Proceedings*, volume 1227 of *Lecture Notes in Computer Science*, pages 62–75. Springer, 1997.
- [39] Uwe Egly. Some pitfalls of LK-to-LJ translations and how to avoid them. In William McCune, editor, *Automated Deduction - CADE-14, 14th International Conference on Automated Deduction, Townsville, North Queensland, Australia, July 13-17, 1997, Proceedings*, volume 1249 of *Lecture Notes in Computer Science*, pages 116–130. Springer, 1997.
- [40] Uwe Egly. Non-elementary speed-ups in proof length by different variants of classical analytic calculi. In Didier Galmiche, editor, *Automated Reasoning with Analytic Tableaux and Related Methods, International Conference, TABLEAUX '97, Pont-à-Mousson, France, May 13-16, 1997, Proceedings*, volume 1227 of *Lecture Notes in Computer Science*, pages 158–172. Springer, 1997.
- [41] Uwe Egly and Karin Genter. Structuring of computer-generated proofs by cut introduction. In Georg Gottlob, Alexander Leitsch, and Daniele Mundici, editors, *Computational Logic and Proof Theory, 5th Kurt Gödel Colloquium, KGC'97, Vienna, Austria, August 25-29, 1997, Proceedings*, volume 1289 of *Lecture Notes in Computer Science*, pages 140–152. Springer, 1997.
- [42] Uwe Egly and Hans Tompits. Non-elementary speed-ups in default reasoning. In Dov M. Gabbay, Rudolf Kruse, Andreas Nonnengart, and Hans Jürgen Ohlbach, editors, *Qualitative and Quantitative Practical Reasoning, First International Joint Conference on Qualitative and Quantitative Practical Reasoning ECSQARU-FAPR'97, Bad Honnef, Germany, June 9-12, 1997, Proceedings*, volume 1244 of *Lecture Notes in Computer Science*, pages 237–251. Springer, 1997.
- [43] Uwe Egly and Hans Tompits. Is non-monotonic reasoning always harder? In Jürgen Dix, Ulrich Furbach, and Anil Nerode, editors, *Logic Programming and Nonmonotonic Reasoning, 4th International Conference, LPNMR'97, Dagstuhl Castle, Germany, July 28-31, 1997, Proceedings*, volume 1265 of *Lecture Notes in Computer Science*, pages 60–75. Springer, 1997.
- [44] Uwe Egly and Thomas Rath. On the practical value of different definitional translations to normal form. In Michael A. McRobbie and John K. Slaney, editors, *Automated Deduction - CADE-13, 13th International Conference on Automated Deduction, New Brunswick, NJ, USA,*

July 30 - August 3, 1996, *Proceedings*, volume 1104 of *Lecture Notes in Computer Science*, pages 403–417. Springer, 1996.

- [45] Wolfgang Bibel, Stefan Brüning, Uwe Egly, Daniel S. Korn, and Thomas Rath. Issues in theorem proving based on the connection method. In Peter Baumgartner, Reiner Hähnle, and Joachim Posegga, editors, *Theorem Proving with Analytic Tableaux and Related Methods, 4th International Workshop, TABLEAUX '95, Schloß Rheinfels, St. Goar, Germany, May 7-10, 1995, Proceedings*, volume 918 of *Lecture Notes in Computer Science*, pages 1–16. Springer, 1995.
- [46] Uwe Egly. Super-polynomial speed-ups in proof length by new tautologies. In Carlos A. Pinto-Ferreira and Nuno J. Mamede, editors, *Progress in Artificial Intelligence, 7th Portuguese Conference on Artificial Intelligence, EPIA '95, Funchal, Madeira Island, Portugal, October 3-6, 1995, Proceedings*, volume 990 of *Lecture Notes in Computer Science*, pages 29–40. Springer, 1995.
- [47] Wolfgang Bibel, Stefan Brüning, Uwe Egly, and Thomas Rath. Towards an Adequate Theorem Prover Based on the Connection Method. In *Proceedings of the Sixth International Conference on Artificial Intelligence and Information-Control of Robots*, pages 137–148. World Scientific Publishing Company, 1994.
- [48] Wolfgang Bibel, Stefan Brüning, Uwe Egly, and Thomas Rath. Komet. In Alan Bundy, editor, *Automated Deduction - CADE-12, 12th International Conference on Automated Deduction, Nancy, France, June 26 - July 1, 1994, Proceedings*, volume 814 of *Lecture Notes in Computer Science*, pages 783–787. Springer, 1994.
- [49] Uwe Egly. On the value of antiprenexing. In Frank Pfenning, editor, *Logic Programming and Automated Reasoning, 5th International Conference, LPAR'94, Kiev, Ukraine, July 16-22, 1994, Proceedings*, volume 822 of *Lecture Notes in Computer Science*, pages 69–83. Springer, 1994.
- [50] Uwe Egly. On different concepts of function introduction. In Georg Gottlob, Alexander Leitsch, and Daniele Mundici, editors, *Computational Logic and Proof Theory, Third Kurt Gödel Colloquium, KGC'93, Brno, Czech Republic, August 24-27, 1993, Proceedings*, volume 713 of *Lecture Notes in Computer Science*, pages 172–183. Springer, 1993.
- [51] Uwe Egly. A first order resolution calculus with symmetries. In Andrei Voronkov, editor, *Logic Programming and Automated Reasoning, 4th International Conference, LPAR'93, St. Petersburg, Russia, July 13-20, 1993, Proceedings*, volume 698 of *Lecture Notes in Computer Science*, pages 110–121. Springer, 1993.
- [52] Uwe Egly. A simple proof for the pigeonhole formulae. In Bernd Neumann, editor, *10th European Conference on Artificial Intelligence, ECAI 92, Vienna, Austria, August 3-7*, pages 70–71. John Wiley and Sons, 1992.
- [53] Uwe Egly. Shortening proofs by quantifier introduction. In Andrei Voronkov, editor, *Logic Programming and Automated Reasoning, International Conference LPAR'92, St. Petersburg, Russia, July 15-20, 1992, Proceedings*, volume 624 of *Lecture Notes in Computer Science*, pages 148–159. Springer, 1992.

- [54] Uwe Egly. A generalized factorization rule based on the introduction of skolem terms. In Hermann Kaindl, editor, *Proc. 7th Austrian Conference on Artificial Intelligence, ÖGAI-91, Wien, 24.-27. September 1991*, volume 287 of *Informatik-Fachberichte*, pages 116–125. Springer, 1991.

Other Publications

- [1] Nadia Creignou, Hervé Daudé, Uwe Egly, and Raphael Rossignol. The threshold for random (1,2)-QSAT. *CoRR*, abs/0907.0937, 2009. Submitted.
- [2] Uwe Egly, Sarah A. Gaggl, and Stefan Woltran. Answer-set programming encodings for argumentation frameworks. In W. Faber and J. Lee, editors, *Proceedings of the 1st International Workshop on Answer Set Programming and Other Computing Paradigms (ASPOCP)*, pages 1–15, 2008.
- [3] Alexander Reiterer, A. Bauer, and Uwe Egly. Deformation monitoring by image assisted total stations—state of the art and future developments. Technologieforum Leica Geosystems, Heerbrugg, Schweiz, 2008. Poster (invited presentation).
- [4] Uwe Egly. Reconstructing DPLL in sequent calculi. In *Collegium Logicum 2007: Proofs and Structures*, Vienna, Austria, October 2007. (Informal abstracts at <http://www.logic.at/CL2007>).
- [5] Uwe Egly, Thomas Eiter, Volker Klotz, Hans Tompits, and Stefan Woltran. Computing stable models with quantified boolean formulas: Some experimental results. In Alessandro Provetti and Tran Cao Son, editors, *Answer Set Programming, Towards Efficient and Scalable Knowledge Representation and Reasoning, Proceedings of the 1st Intl. ASP'01 Workshop, Stanford, March 26-28, 2001*, 2001.
- [6] U. Egly, A. Fiedler, H. Horacek, and S. Schmidt, editors. *Proceedings of the IJCAR 2001 Workshop on Proof Transformation, Proof Presentation and Complexity of Proofs*, 2001. Università degli Studi di Siena, via Roma 56, 53100 Siena, Italy.
- [7] Uwe Egly, Rainer Feldmann, and Hans Tompits, editors. *Proceedings of the IJCAR 2001 Workshop on Theory and Applications of Quantified Boolean Formulas*, 2001. Technical Report DII 12/01, Dipartimento di Ingegneria dell'Informazione, Università degli Studi di Siena, via Roma 56, 53100 Siena, Italy.
- [8] Uwe Egly, Thomas Eiter, Volker Klotz, Hans Tompits, and Stefan Woltran. Experimental evaluation of the disjunctive logic programming module of the system quip. In *15. WLP*, pages 113–122, 2000.
- [9] Uwe Egly, Thomas Eiter, Hans Tompits, and Stefan Woltran. Implementing default reasoning using quantified boolean formulae. In *WLP*, pages 223–228, 2000.
- [10] Uwe Egly and Hans Tompits. A sequent calculus for intuitionistic default logic. In *WLP*, 1997. Online Proceedings: <http://www.pms.ifi.lmu.de/publikationen/PMS-FB/PMS-FB-1997-10/>.
- [11] Uwe Egly. *On Methods of Function Introduction and Related Concepts*. PhD thesis, TH Darmstadt, 1994.

- [12] Uwe Egly. Problem-Reduction Methods and Clause Splitting in Automated Theorem Proving. Master's thesis, Technische Universität Wien, A-1040 Wien, 1990.
- [13] Uwe Egly. Objektorientiertes Windowhandling und Schlußfolgern in INTERLISP/LOOPS. Master's thesis, Universität Heidelberg, Studiengang Medizinische Informatik, 1987.