# List of Publications

**Dr. Uwe EGLY**

## Edited Proceedings

[1] Olaf Beyersdorff, Nadia Creignou, Uwe Egly, and Heribert Vollmer. SAT and interactions (Dagstuhl Seminar 16381). *Dagstuhl Reports*, 6(9):74–93, 2016.

[2] 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.

[3] 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.

[4] Alexander Reiterer and Uwe Egly, editors. *First International Workshop on Applications of Artificial Intelligence in Engineering Geodesy (AIEG)*, Vienna, Austria, December 2008.

[5] 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.

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**Publications in Journals**


[1] Uwe Egly, Martin Kronegger, Florian Lonsing, and Andreas Pfandler. Conformant planning as a case study of incremental QBF solving. *Ann. Math. Artif. Intell.*, 80(1):21–45, 2017.

[2] Nadia Creignou, Hervé Daudé, Uwe Egly, and Raphaël Rossignol. Exact location of the phase transition for random (1, 2)-QSAT. *RAIRO - Theor. Inf. and Applic.*, 49(1):23–45, 2015.

[3] Nadia Creignou, Uwe Egly, and Johannes Schmidt. Complexity classifications for logic-based argumentation. *ACM Trans. Comput. Log.*, 15(3):19, 2014.

[4] 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.

[5] Uwe Egly, Sarah A. Gaggl, and Stefan Woltran. Answer-set programming encodings for argumentation frameworks. *Argumentation and Computation*, 1(2):147–177, 2010.

[6] Uwe Egly and Leopold Haller. A SAT solver for circuits based on the tableau method. *KI*, 24(1):15–23, 2010.

[7] Uwe Egly, Martina Seidl, and Stefan Woltran. A solver for QBFs in negation normal form. *Constraints*, 14(1):38–79, 2009.

[8] 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.

[9] 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.

[10] 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.

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[13] Uwe Egly, Bernhard Schieman, and Josef Schneeberger. Technical documentation authoring based on semantic web methods. *KI*, 19(2):56–59, 2005.

[14] 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).

[15] 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).

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**Publications in Conferences and Symposia**

[1] Florian Lonsing and Uwe Egly. QRAT+: generalizing QRAT by a more powerful QBF redundancy property. In Didier Galmiche, Stephan Schulz, and Roberto Sebastiani, editors, *Automated Reasoning - 9th International Joint Conference, IJCAR 2018, Held as Part of the Federated Logic Conference, FloC 2018, Oxford, UK, July 14-17, 2018, Proceedings*, volume 10900 of *Lecture Notes in Computer Science*, pages 161–177. Springer, 2018.

[2] Florian Lonsing and Uwe Egly. Evaluating QBF solvers: Quantifier alternations matter. In John N. Hooker, editor, *Principles and Practice of Constraint Programming - 24th International Conference, CP 2018, Lille, France, August 27-31, 2018, Proceedings*, volume 11008 of *Lecture Notes in Computer Science*, pages 276–294. Springer, 2018.

[3] Roderick Bloem, Nicolas Braud-Santoni, Vedad Hadzic, Uwe Egly, Florian Lonsing, and Martina Seidl. Expansion-based QBF solving without recursion. In *Formal Methods in Computer-Aided Design*, 2018, to appear.

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[24] Tanja Vicovac, Alexander Reiterer, Uwe Egly, Thomas Eiter, and Dirk Rieke-Zapp. First developement 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.

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