



## PUBLICATIONS

**Prof. Dr.-Ing. Franz Baader**

November 16, 2018

This is the list of publications of the Chair of Automata Theory at TU Dresden. When available, links to online versions of abstract, BibTeX entries, and the papers are provided. More information about the research group is available at the above web page, where recent versions of this document are available in PDF format or as web pages.

### 2018

Franz Baader, Stefan Borgwardt, and Walter Forkel: **Patient Selection for Clinical Trials Using Temporalized Ontology-Mediated Query Answering**. In *Proc. of the 1st Int. Workshop on Hybrid Question Answering with Structured and Unstructured Knowledge (HQA'18), Companion of the The Web Conference 2018*, pages 1069–1074. ACM, 2018.

BibTeX Entry: <https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaBF-HQA18:bibtex>

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PDF File: <https://lat.inf.tu-dresden.de/research/papers/2018/BaBF-HQA18.pdf>

DOI: <https://dx.doi.org/10.1145/3184558.3191538>

Franz Baader, Oliver Fernández Gil, and Pavlos Marantidis: **Matching in the Description Logic  $\mathcal{FL}_0$  with respect to General TBoxes**. In Gilles Barthe, Geoff Sutcliffe, and Margus Veanes, editors, *LPAR-22. 22nd International Conference on Logic for Programming, Artificial Intelligence and Reasoning*, volume 57 of *EPiC Series in Computing*, pages 76–94. EasyChair, 2018.

BibTeX Entry: <https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaFeMa18-LPAR:bibtex>

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PDF File: <https://lat.inf.tu-dresden.de/research/papers/2018/BaFeMa18-LPAR.pdf>

DOI: <https://dx.doi.org/10.29007/q74p>

Franz Baader, Oliver Fernández Gil, and Maximilian Pensel: **Standard and Non-Standard Inferences in the Description Logic  $\mathcal{FL}_0$  Using Tree Automata**. In Daniel Lee, Alexander Steen, and Toby Walsh, editors, *GCAI 2018, 4th Global Conference on Artificial Intelligence, Luxembourg, September 2018.*, volume 55 of *EPiC Series in Computing*, pages 1–14. EasyChair, 2018.

BibTeX Entry: <https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaFePe-GCAI-18:bibtex>

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PDF File: <https://lat.inf.tu-dresden.de/research/papers/2018/BaFePe-GCAI-18.pdf>

DOI: <https://dx.doi.org/10.29007/scbw>

Franz Baader, Francesco Kriegel, Adrian Nuradiansyah, and Rafael Peñaloza: **Making Repairs in Description Logics More Gentle (Extended Abstract)**. In Magdalena Ortiz and Thomas Schneider, editors, *Proceedings of the 31st International Workshop on Description Logics, Tempe, Arizona, October 27-29, 2018*, volume 2211 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2018.

BibTeX Entry: <https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKrNuPe-DL2018:bibtex>

PDF File: <https://lat.inf.tu-dresden.de/research/papers/2018/BaKrNuPe-DL2018.pdf>

PDF File (ceur-ws.org): <http://ceur-ws.org/Vol-2211/paper-39.pdf>

Full Conference Paper: <https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKrNuPe-KR2018>

Franz Baader, Francesco Kriegel, Adrian Nuradiansyah, and Rafael Peñaloza: **Making Repairs in Description Logics More Gentle**. In Frank Wolter, Michael Thielscher, and Francesca Toni, editors, *Principles of Knowledge Representation and Reasoning: Proceedings of the Sixteenth International Conference, KR 2018, Tempe, Arizona, 30 October - 2 November 2018*, pages 319–328. USA, AAAI Press, 2018.

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Extended Abstract: <https://tu-dresden.de/ing/informatik/thi/lat/forschung/veroeffentlichungen#BaKrNuPe-DL2018>

Extended Technical Report: <https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#BaKrNuPe-LTCS-18-01>

Franz Baader, Pavlos Marantidis, and Antoine Mottet: **ACUI Unification modulo Ground Theories**. In Mauricio Ayala-Rincón and Philippe Balbiani, editors, *Proceedings of the 32th International Workshop on Unification (UNIF 2018)*, 2018.

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Franz Baader, Pavlos Marantidis, and Maximilian Pensel: **The Data Complexity of Answering Instance Queries in  $\mathcal{FL}_0$** . In *Proc. of the Reasoning on Data Workshop (RoD'18), Companion of the The Web Conference 2018*, pages 1603–1607. ACM, 2018.

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Franz Baader and Adrian Nuradiansyah: **Towards Privacy-Preserving Ontology Publishing**. In Magdalena Ortiz and Thomas Schneider, editors, *Proceedings of the 31st International Workshop on Description Logics, Tempe, Arizona, October 27-29, 2018, CEUR Workshop Proceedings*. CEUR-WS.org, 2018. To appear.

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Camille Bourgaux, Patrick Koopmann, and Anni-Yasmin Turhan: **Ontology-mediated query answering over temporal and inconsistent data**. *Semantic Web*, 2018.

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Francesco Kriegel: **The Distributive, Graded Lattice of  $\mathcal{EL}$  Concept Descriptions and its Neighborhood Relation.** In Dmitry I. Ignatov and Lhouari Nourine, editors, *Proceedings of the 14th International Conference on Concept Lattices and Their Applications (CLA 2018)*, volume 2123 of *CEUR Workshop Proceedings*, pages 267–278. Olomouc, Czech Republic, CEUR-WS.org, 2018.

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Maximilian Pensel and Anni-Yasmin Turhan: **Reasoning in the Defeasible Description Logic  $\mathcal{EL}_\perp$ —Computing Standard Inferences under Rational and Relevant Semantics.** *International Journal of Approximate Reasoning (IJAR)*, 103:28–70, 2018.

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## 2017

Franz Baader: **A New Description Logic with Set Constraints and Cardinality Constraints on Role Successors.** In Clare Dixon and Marcelo Finger, editors, *Proceedings of the 11th International Symposium on Frontiers of Combining Systems (FroCoS'17)*, volume 10483 of *Lecture Notes in Computer Science*, pages 43–59. Brasília, Brazil, Springer-Verlag, 2017.

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