



Technical Reports

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This is the list of technical reports 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 <https://tu-dresden.de/ing/informatik/thi/lat>, where recent versions of this document are available in PDF format or as web pages.

2020

Franz Baader and Jakub Rydval: **Using Model-Theory to Find ω -Admissible Concrete Domains.** LTCS-Report 20-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

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Franz Baader and Deepak Kapur: **Deciding the Word Problem for Ground Identities with Commutative and Extensional Symbols.** LTCS-Report 20-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

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Manuel Bodirsky, Wied Pakusa, and Jakub Rydval: **Temporal Constraint Satisfaction Problems in Fixed-Point Logic.** LTCS-Report 20-04, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

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Oliver Fernández Gil and Anni-Yasmin Turhan: **Answering Regular Path Queries Under Approximate Semantics in Lightweight Description Logics**. LTCS-Report 20-05, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

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Patrick Koopmann and Jieying Chen: **Deductive Module Extraction for Expressive Description Logics (Extended Version)**. LTCS-Report 20-06, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, 2020.

BibTeX Entry: <https://tu-dresden.de/ing/informatik/thi/lat/forschung/technische-berichte#KoCh-LTCS-20-06:bibtex>

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Franz Baader, Francesco Kriegel, Adrian Nuradiansyah, and Rafael Peñaloza: **Computing Compliant Anonymisations of Quantified ABoxes w.r.t. \mathcal{EL} Policies (Extended Version)**. LTCS-Report 20-08, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

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Franz Baader and Jakub Rydval: **An Algebraic View on p-Admissible Concrete Domains for Lightweight Description Logics (Extended Version)**. LTCS-Report 20-10, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2020.

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Franz Baader, Francesco Kriegel, and Adrian Nuradiansyah: **Privacy-Preserving Ontology Publishing for \mathcal{EL} Instance Stores (Extended Version)**. LTCS-Report 19-01, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

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Francesco Kriegel: **Joining Implications in Formal Contexts and Inductive Learning in a Horn Description Logic (Extended Version)**. LTCS-Report 19-02, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

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Patrick Koopmann: **Maybe Eventually? Towards Combining Temporal and Probabilistic Description Logics and Queries (Extended Version)**. LTCS-Report 19-03, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

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Clemens Dubsloff, Patrick Koopmann, and Anni-Yasmin Turhan: **Ontology-Mediated Probabilistic Model Checking (Extended Version)**. LTCS-Report 19-05, TU Dresden, Dresden, Germany, 2019.

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Stefan Borgwardt and Barbara Morawska: **Finite Herbrand Models for Restricted First-Order Clauses**. LTCS-Report 19-07, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

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Franz Baader and Clément Théron: **Role-Value Maps and General Concept Inclusions in the Description Logic \mathcal{FL}_0** . LTCS-Report 19-08, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2019.

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Francesco Kriegel: **Terminological Knowledge Acquisition in Probabilistic Description Logic**. LTCS-Report 18-03, Chair of Automata Theory, Institute of Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

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Franz Baader, Oliver Fernández Gil, and Maximilian Pensel: **Standard and Non-Standard Inferences in the Description Logic \mathcal{FL}_0 Using Tree Automata**. LTCS-Report 18-04, Chair for Automata Theory, Institute for Theoretical Computer Science, Technische Universität Dresden, Dresden, Germany, 2018.

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