

List of Candidate's Publications

Filip Bárték

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This document lists the main publications I contributed to during my doctoral studies. For each of the publications, the contributions of the individual authors are structured according to CRediT contributor role taxonomy [8]. The authors are identified by their initials. Where appropriate, contributors other than authors are credited.

Conference and Workshop Papers

Learning Precedences from Simple Symbol Features

Authors *Filip Bárték* and Martin Suda

Title Learning Precedences from Simple Symbol Features [1]

Conference Workshop on Practical Aspects of Automated Reasoning (PAAR) 2020

Author contributions. Conceptualization: M.S. and *F.B.*; Formal analysis: *F.B.*; Funding acquisition: Josef Urban, M.S., and *F.B.*; Investigation: *F.B.*; Methodology: M.S. and *F.B.*; Project administration: M.S.; Resources: Josef Urban; Software: *F.B.* and M.S.; Supervision: M.S.; Visualization: *F.B.*; Writing – original draft: *F.B.* and M.S.; Writing – review & editing: *F.B.* and M.S.

Neural Precedence Recommender

Authors *Filip Bárték* and Martin Suda

Title Neural Precedence Recommender [2]

Conference Conference on Automated Deduction (CADE) 2021

Author contributions. Conceptualization: M.S. and *F.B.*; Formal analysis: *F.B.*; Funding acquisition: M.S., *F.B.*, and Josef Urban; Investigation: *F.B.*; Methodology: *F.B.* and M.S.; Project administration: M.S.; Resources: Josef Urban; Software: *F.B.* and M.S.; Supervision: M.S.; Visualization: *F.B.*; Writing – original draft: *F.B.* and M.S.; Writing – review & editing: *F.B.* and M.S.

A GNN-Advised Clause Selection

Authors *Filip Bártek* and Martin Suda

Title How much should this symbol weigh? A GNN-Advised Clause Selection [3]

Conference International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR) 2023

Author contributions. Conceptualization: M.S., *F.B.*, and Cezary Kaliszyk; Formal analysis: *F.B.* and M.S.; Funding acquisition: M.S., Josef Urban, and *F.B.*; Investigation: *F.B.*; Methodology: *F.B.* and M.S.; Project administration: M.S.; Resources: Josef Urban; Software: *F.B.*; Supervision: M.S.; Visualization: *F.B.*; Writing – original draft: *F.B.* and M.S.; Writing – review & editing: *F.B.* and M.S.

Regularization in Spider-Style Strategy Discovery and Schedule Construction

Authors *Filip Bártek*, Karel Chvalovský, and Martin Suda

Title Regularization in Spider-Style Strategy Discovery and Schedule Construction [4]

Conference International Joint Conference on Automated Reasoning (IJCAR) 2024

A manuscript with additional appendices has been published [7].

Author contributions. Conceptualization: M.S., *F.B.*, and K.C.; Data curation: *F.B.* and M.S.; Formal analysis: *F.B.* and M.S.; Funding acquisition: M.S., Josef Urban, and *F.B.*; Investigation: *F.B.*, M.S., and K.C.; Methodology: M.S., *F.B.*, and K.C.; Project administration: M.S.; Resources: Josef Urban; Software: *F.B.*, M.S., and K.C.; Supervision: M.S.; Validation: *F.B.*; Visualization: *F.B.* and M.S.; Writing – original draft: M.S., *F.B.*, and K.C.; Writing – review & editing: *F.B.*, M.S., and K.C.

Cautious Specialization of Strategy Schedules

Authors *Filip Bártek*, Karel Chvalovský, and Martin Suda

Title Cautious Specialization of Strategy Schedules (Extended Abstract) [5]

Conference Workshop on Practical Aspects of Automated Reasoning (PAAR) 2024

Author contributions. Conceptualization: M.S., K.C., and *F.B.*; Data curation: M.S. and K.C.; Formal analysis: M.S. and K.C.; Funding acquisition: M.S.; Investigation: K.C. and M.S.; Methodology: M.S. and K.C.; Project administration: M.S. and *F.B.*; Resources: Josef Urban; Software: K.C. and M.S.; Supervision: M.S.; Visualization: M.S.; Writing – original draft: M.S., K.C., and *F.B.*; Writing – review & editing: *F.B.*, M.S., and K.C.

Datasets

Vampire strategy performance measurements

Authors *Filip Bártek* and Martin Suda

Title Vampire strategy performance measurements [6]

Author contributions. Conceptualization: *F.B.* and M.S.; Data curation: *F.B.* and M.S.; Formal analysis: *F.B.*; Funding acquisition: M.S., Josef Urban, and *F.B.*; Investigation: *F.B.*; Methodology: *F.B.*; Project administration: M.S.; Resources: Josef Urban; Software: *F.B.*; Supervision: M.S.; Visualization: *F.B.*; Writing – original draft: *F.B.*; Writing – review & editing: M.S.

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