

# PUBLICATIONS LIST

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I have listed publications categorized by research areas in Section 1 and chronologically in Section 2.

## 1 PUBLICATIONS BY RESEARCH AREAS

### FORMAL METHODS

1. Priyanka Golia, Friedrich Slivovsky, Subhajit Roy, and Kuldeep S. Meel. “Engineering an Efficient Boolean Functional Synthesis Engine”. In: *Proc. of ICCAD*. 2021. **Best Paper Award Nomination**.
2. Jaroslav Bendik and Kuldeep S. Meel. “Counting Minimal Unsatisfiable Subsets”. In: *Proc. of CAV*. 2021.
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## ARTIFICIAL INTELLIGENCE

1. Mate Soos and Kuldeep S. Meel. “Gaussian Elimination meets Maximum Satisfiability”. In: *Proc. of KR*. 2021.
2. Yash Pote and Kuldeep S. Meel. “Testing Probabilistic Circuits”. In: *Proc. of NeurIPS*. 2021.
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## LOGIC AND DATABASES

1. A. Pavan, N. V. Vinodchandran, Arnab Bhattacharya, and Kuldeep S. Meel. “Model Counting Meets  $F_0$  Estimation”. In: *Proc. of PODS*. 2021. **Invited as “Best of PODS 2021” by ACM TODS.**
2. Kuldeep S Meel, NV Vinodchandran, and Sourav Chakraborty. “Estimating the Size of Union of Sets in Streaming Models”. In: *Proc. of PODS*. 2021.
3. Kuldeep S. Meel and S. Akshay. “Sparse Hashing for Scalable Approximate Model Counting: Theory and Practice”. In: *Proc. of LICS*. 2020.
4. A. Dileep, Kuldeep S. Meel, and Ammar F. Sabili. “Induction Models on  $N$ ”. In: *Proc. of LPAR*. 2020.
5. Shubham Sharma, Rahul Gupta, Subhajit Roy, and Kuldeep S. Meel. “Knowledge Compilation meets Uniform Sampling”. In: *Proc. of LPAR*. 2018.

## SOFTWARE ENGINEERING

1. Teodora Baluta, Zheng Leong Chua, Kuldeep S. Meel, and Prateek Saxena. “Scalable Quantitative Verification For Deep Neural Networks”. In: *Proc. of ICSE*. 2021.
2. Eduard Baranov, Axel Legay, and Kuldeep S. Meel. “Baital: An Adaptive Weighted Sampling Approach for Improved t-wise Coverage”. In: *Proc. of FSE*. 2020.
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5. Deepak Majeti, Kuldeep S. Meel, Raj Barik, and Vivek Sarkar. “ADHA: Automatic Data layout framework for Heterogeneous Architectures”. In: *Proc. of PACT*. 2014.

## 2 PUBLICATIONS IN CHRONOLOGICAL ORDER

### CONFERENCE PUBLICATIONS

1. Priyanka Golia, Friedrich Slivovsky, Subhajit Roy, and Kuldeep S. Meel. “Engineering an Efficient Boolean Functional Synthesis Engine”. In: *Proc. of ICCAD*. 2021. **Best Paper Award Nomination.**
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## WORKSHOP PUBLICATIONS

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