Preface

Datalog 2.0 is a workshop for Datalog researchers, implementors, and users. Its aim is to bring together researchers and practitioners interested in different aspects of Datalog to share research experiences, promote collaboration and identify directions for joint future research.

The 5th International Workshop on the Resurgence of Datalog in Academia and Industry (Datalog 2.0 2024) was held in Dallas, Texas, USA, on October 11, 2024. Datalog 2.0 2024 was hosted by the 15th International Conference on Logic Programming and Non-monotonic Reasoning (LPNMR 2024).

The first edition of Datalog 2.0 was held in Oxford, UK, in 2010, and it was by invitation only. Since Datalog has resurrected as a lively topic with applications in many different areas of computer science, as well as industry, the second edition of the workshop, which was held in Vienna, Austria, in 2012, was open for submissions (as also the following editions). The third edition was held in Philadelphia, PA (USA), in 2019. The fourth edition was held in Genova-Nervi, Italy, in 2022.

This edition of the workshop was also open for submissions, and 10 groups of researchers submitted their articles to the peer review process. Each submission was reviewed by at least 2 program committee members, and the committee decided to accept 8 papers, based on their technical merit and potential for stimulating discussions at the workshop. The program also includes an invited talks by Andreas Pieris, and an invited tutorial by Przemysław Andrzej Wałęga.

We acknowledge OpenReview (`https://openreview.net/` for providing their conference management system. Finally, we thanks all the authors who contributed to the workshops and the Program Committee members for their effort to produce timely and wise reviews.

October 1, 2024   Mario Alviano
                                                              Matthias Lanzinger

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