

## 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 4th International Workshop on the Resurgence of Datalog in Academia and Industry (Datalog 2.0 2022) was held in Genova Nervi, Italy, on September 5, 2022. Datalog 2.0 2022 was hosted by the 16th International Conference on Logic Programming and Non-monotonic Reasoning (LPNMR 2022).

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. The third edition was held in Philadelphia, PA (USA), in 2019, and was also open for submissions.

This edition of the workshop was also open for submissions, and 24 groups of researchers submitted their articles to the peer review process. Each submission was reviewed by at least 3 program committee members, and the committee decided to accept 21 papers, based on their technical merit and potential for stimulating discussions at the workshop. The program also includes an invited talks by Reinhard Pichler.

We acknowledge EasyChair (<https://easychair.org/>) 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.

August 29, 2022

Mario Alviano  
Andreas Pieris

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