

Preface

Alejandro Maté,¹ Matteo Lissandrini²

¹University of Alicante, Spain

²University of Verona, Italy

Message from the DOLAP 2025 Chairs

The International Workshop On Design, Optimization, Languages and Analytical Processing of Big Data reached now its 27th edition. For DOLAP 2025 we received 25 submissions, which included 17 full papers, 4 short papers, and for the second time, also 4 submissions for the special Interactive Panel Session on: Federated and Distributed Data Spaces.

In the review process, all submitted papers received 3 to 4 reviews. As a result of the process, 5 papers were accepted as full papers, 7 as short papers, and 3 as panel discussion proposals for the workshop.

Moreover, DOLAP 2025 hosted one invited keynote by Prof. Edward Curry on “The Symbiotic Relationship between Data Spaces and AI”. Further, this year, the DOLAP Program Chairs assigned the best paper award to Enrico Gallinucci, Matteo Golfarelli, Wafaa Radwan, Gabriel Zarate, and Alberto Abelló for their paper “Impact Study of NoSQL Refactoring in SkyServer Database”.

The DOLAP 2025 Chairs would like to thank the Steering Committee and the Program Committee Members for their thorough and timely work.

March 2025

DOLAP 2025 Program Chairs

Alejandro Maté

Matteo Lissandrini

DOLAP'25, 27th International Workshop on Design, Optimization, Languages and Analytical Processing of Big Data, March 25, 2025, Barcelona, Spain

✉ amate@dlsi.ua.es (A. Maté); matteo.lissandrini@univr.it (M. Lissandrini)

🆔 0000-0001-7770-369393 (A. Maté); 0000-0001-7922-5998 (M. Lissandrini)



© 2025 Copyright for this paper by its authors. Use permitted under Creative Commons License Attribution 4.0 International (CC BY 4.0).

Steering Committee

- Alberto Abelló, Universitat Politècnica de Catalunya, Spain
- Ladjel Bellatreche, LIAS/ISAE-ENSMA, France
- Alfredo Cuzzocrea, Università della Calabria, Italy
- Carlos Garcia-Alvarado, Amazon, USA
- Enrico Gallinucci, University of Bologna, Italy
- Lukasz Golab, University of Waterloo, Canada
- Matteo Golfarelli, University of Bologna, Italy
- Katja Hose, Aalborg University, Denmark
- Patrick Marcel, University of Orléans, France
- Carlos Ordonez, University of Houston, USA
- Torben Bach Pedersen, Aalborg University, Denmark
- Stefano Rizzi, University of Bologna, Italy
- Oscar Romero, Universitat Politècnica de Catalunya, Spain
- Alkis Simitsis, Athena Research Center, Greece
- Il-Yeol Song, Drexel University, USA
- Kostas Stefanidis, Tampere University, Finland
- Dimitri Theodoratos, New Jersey Institute of Technology, USA
- Juan Carlos Trujillo, University of Alicante, Spain
- Panos Vassiliadis, University of Ioannina, Greece
- Robert Wrembel, Poznan University of Technology, Poland
- Esteban Zimanyi, Université Libre de Bruxelles, Belgium

Program Committee

- Alberto Abelló, Universitat Politècnica de Catalunya
- Julien Aligon, Université Toulouse 1 Capitole
- Ahmed MHA Awad, The British University in Dubai
- Antonio Badia, University of Louisville
- Ladjel Bellatreche, ISAE-ENSMA
- Rafael Berlanga Llavori, University Jaume I
- Besim Bilalli, Universitat Politècnica de Catalunya
- Laurent Bindschaedler, MPI-SWS
- Martin Boissier, Hasso Plattner Institute
- Tania Cerquitelli, Politecnico di Torino
- Silvia Chiusano, Politecnico di Torino
- Alfredo Cuzzocrea, Università della Calabria
- Jerome Darmont, ERIC - Université Lumière Lyon 2
- Stefania Dumbrava, ENSIIE
- Lorena Etcheverry, Universidad de la República

- BENTAYEB Fadila, University Lumiere Lyon 2
- Matteo Francia, University of Bologna
- Pedro Furtado, Universidade de Coimbra
- Enrico Gallinucci, University of Bologna
- Johann Gamper, Free University of Bozen
- Chang Ge, University of Minnesota
- Matteo Golfarelli, University of Bologna
- Marcin Gorawski, Silesian University of Technology
- Le Gruenwald, The University of Oklahoma
- Fernando Gualo, University of Castilla-La Mancha
- Andra-Denis Ionescu, TU Delft
- Shiva Jahangiri, Santa Clara University
- Nicolas Labroche, University of Tours
- Ana Lavalle, University of Alicante
- Wolfgang Lehner, TU Dresden
- Xiufeng Liu Technical, University of Denmark
- Patrick Marcel, University of Orléans
- Adriana Marotta, Universidad de la República
- Jose-Norberto Mazón, Universidad de Alicante
- Rokia Missaoui, UQO
- Sergi Nadal, Universitat Politècnica de Catalunya
- Carlos Ordonez, University of Houston
- Matteo Paganelli, University of Modena and Reggio Emilia
- Oscar Romero, Universitat Politècnica de Catalunya
- Dimitris Sacharidis, ULB
- Alkis Simitsis, Athena Research Center
- Kostas Stefanidis, Tampere University
- Olivier Teste, IRT, University of Toulouse
- Dimitri Theodoratos, New Jersey Institute of Technology
- Maik Thiele, Hochschule für Technik und Wirtschaft Dresden
- Christian Thomsen, Aalborg University
- Riccardo Tommasini, INSA Lyon - LIRIS
- Goce Trajcevski, Iowa State University
- Juan Trujillo, University of Alicante
- Panos Vassiliadis, University of Ioannina
- António C. Vieira, University of Minho
- Hannes Voigt, Neo4j
- Robert Wrembel, Poznan University of Technology
- Esteban Zimanyi, Université Libre de Bruxelles