

## Preface of the 31st Italian Symposium on Advanced Database Systems

Calvanese, Diego; Ferro, Nicola; Diamantini, Claudia; Silvello, Gianmaria; Marchesin, Stefano; Tanca, Letizia; Atzori, Maurizio; Bartolini, Ilaria; Bellomarini, Luigi; Buccafurri, Francesco; Cabibbo, Luca; Calí, Andrea; Caruccio, Loredana; Ceci, Michelangelo; Chiusano, Silvia; Ciaccia, Paolo; Corradini, Enrico; Crescenzi, Valter; Di Noia, Tommaso; Faggioli, Guglielmo

*License:*  
Creative Commons: Attribution (CC BY)

*Document Version*  
Publisher's PDF, also known as Version of record

*Citation for published version (Harvard):*  
Calvanese, D, Ferro, N, Diamantini, C, Silvello, G, Marchesin, S, Tanca, L, Atzori, M, Bartolini, I, Bellomarini, L, Buccafurri, F, Cabibbo, L, Calí, A, Caruccio, L, Ceci, M, Chiusano, S, Ciaccia, P, Corradini, E, Crescenzi, V, Di Noia, T, Faggioli, G, Fazzino, B, Ferrara, A, Ferrari, E, Firmani, D, Garza, P, Golfarelli, M, Guerrini, G, Gullo, F, Guzzi, PH, Lanti, D, Leotta, F, Manco, G, Mandreoli, F, Masciari, E, Maurino, A, Melchiori, M, Mircoli, A, Missier, P, Molinaro, C, Montanelli, S, Moscato, V, Papotti, P, Pensa, RG, Piantella, D, Pugliese, A, Quintarelli, E, Renso, C, Rinzivillo, S, Sartiani, C, Savo, DF, Simonini, G, Storti, E, Tagarelli, A, Amato, F, Baralis, E, Castano, S, Catania, B, De Antonellis, V, Greco, S, Lembo, D, Camporese, A, Giachelle, F, Irrera, O, Leoncini, D, Menotti, L, Pasin, A & Quaggio, E 2023, 'Preface of the 31st Italian Symposium on Advanced Database Systems', *CEUR Workshop Proceedings*, vol. 3478, pp. i-iv. <<https://ceur-ws.org/Vol-3478/preface.pdf>>

[Link to publication on Research at Birmingham portal](#)

### General rights

Unless a licence is specified above, all rights (including copyright and moral rights) in this document are retained by the authors and/or the copyright holders. The express permission of the copyright holder must be obtained for any use of this material other than for purposes permitted by law.

- Users may freely distribute the URL that is used to identify this publication.
- Users may download and/or print one copy of the publication from the University of Birmingham research portal for the purpose of private study or non-commercial research.
- User may use extracts from the document in line with the concept of 'fair dealing' under the Copyright, Designs and Patents Act 1988 (?)
- Users may not further distribute the material nor use it for the purposes of commercial gain.

Where a licence is displayed above, please note the terms and conditions of the licence govern your use of this document.

When citing, please reference the published version.

### Take down policy

While the University of Birmingham exercises care and attention in making items available there are rare occasions when an item has been uploaded in error or has been deemed to be commercially or otherwise sensitive.

If you believe that this is the case for this document, please contact [UBIRA@lists.bham.ac.uk](mailto:UBIRA@lists.bham.ac.uk) providing details and we will remove access to the work immediately and investigate.

# Preface of the 31st Italian Symposium on Advanced Database Systems

## Abstract

This volume contains the proceedings of the 31st Italian Symposium on Advanced Database Systems (SEBD – Sistemi Evoluti per Basi di Dati), held in Galzignano Terme (Padua, Italy) from 2 to 5 July 2023.

## Preface

The 31st edition of the *Italian Symposium on Advanced Database Systems* (SEBD – Sistemi Evoluti per Basi di Dati) was held in Galzignano Terme (Padua, Italy) at the Galzignano Resort from 2 to 5 July 2023. This volume collects the papers selected for presentation at the conference.

SEBD is the major annual event of the Italian database research community at large, as it is thought of as a forum for all those people, in academia and industry, that are interested in data management and its wide range of applications, to meet, discuss, and exchange experiences. SEBD 2023 covered various topics, including learning frameworks and structures, entity extraction, matching and modeling, knowledge bases and data semantics, data quality, data fairness, graph-based methods and applications, querying, and machine learning methods.

The scientific program of SEBD 2023 was organized into seven sessions and two poster sessions, including the presentations of 66 papers accepted at the end of a peer-reviewing process. The program also included three keynote talks by international researchers: Yannis Ioannidis (University of Athens, Greece) on user-defined functions in relational databases, Julia Stoyanovich (New York University, USA) on responsible data management, and Carlo Curino (Microsoft, USA) on tensor query processing. Last, but not least, SEBD 2023 included the *Doctoral Consortium*, chaired by Stefano Marchesin (Università di Padova) and Letizia Tanca (Politecnico di Milano), with 15 papers presented both orally and with poster discussion.

SEBD 2023 assigned the “*Taste of Time*” Award (TTA), introduced in 2022 to recognize seminal contributions, and retracing the history of the Italian database community by selecting significant (and tasty) papers from past editions of SEBD. The ultimate goal of the TTA is to keep alive the tradition of the SEBD community, to contextualize the most important research lines and make sense of their evolution, and to inspire new generations of researchers by discussing how key challenges have been addressed, which ones are still open, and what can follow-up from them. The candidate papers for the SEBD 2023 TTA have been selected from:

2nd SEBD 1994: Rimini

3rd SEBD 1995: Ravello

4th SEBD 1996: Pisa

---

*SEBD 2023: 31st Symposium on Advanced Database Systems, July 02–05, 2023, Galzignano Terme, Padua, Italy*



© 2023 Copyright for this paper by its authors. Use permitted under Creative Commons License Attribution 4.0 International (CC BY 4.0).



CEUR Workshop Proceedings (CEUR-WS.org)

The SEBD 2023 TTA Committee was formed by:

Maristella Agosti (Università degli Studi di Padova) – Chair

Elena Baralis (Politecnico di Torino)

Domenico Saccà (Università della Calabria)

Letizia Tanca (Politecnico di Milano)

Riccardo Torlone (Università di Roma Tre)

The winner of the SEBD 2023 TTA is:

Antonio Albano, C. Brasini, Milena Diotalle, Giorgio Ghelli, Renzo Orsini.

*A Guided Tour of the Fibonacci System*. Edition: SEBD 1994.

The SEBD 2023 TTA Honorable Mention is:

Domenico Beneventano, Sonia Bergamaschi, Stefano Lodi, Claudio Sartori.

*Reasoning with Constraints in Database Models*. Edition: SEBD 1994.

We want to thank all the contributing speakers for making SEBD 2023 a great event, and we are grateful to the members of our Steering, Program, and Organization Committees, as well as Sistema Congressi, for timely providing their support in all organizational and technical aspects.

## **Organization**

### **General Chairs**

Diego Calvanese (Libera Università di Bolzano)

Nicola Ferro (Università degli Studi di Padova)

### **Program Chairs**

Claudia Diamantini (Università Politecnica delle Marche)

Gianmaria Silvello (Università degli Studi di Padova)

### **Doctoral Consortium Chairs**

Stefano Marchesin (Università degli Studi di Padova)

Letizia Tanca (Politecnico di Milano)

### **Program Committee**

Maurizio Atzori (Università di Cagliari)

Ilaria Bartolini (Università di Bologna)

Luigi Bellomarini (Banca d'Italia)

Francesco Buccafurri (Università Mediterranea di Reggio Calabria)  
Luca Cabibbo (Università di Roma Tre)  
Andrea Calí (Birkbeck, University of London)  
Loredana Caruccio (Università di Salerno)  
Michelangelo Ceci (Università di Bari)  
Silvia Chiusano (Politecnico di Torino)  
Paolo Ciaccia (Università di Bologna)  
Enrico Corradini (Università Politecnica delle Marche)  
Valter Crescenzi (Università di Roma Tre)  
Tommaso Di Noia (Politecnico di Bari)  
Guglielmo Faggioli (Università degli Studi di Padova)  
Bettina Fazzinga (ICAR-CNR Rende)  
Alfio Ferrara (Università di Milano)  
Elena Ferrari (Università dell'Insubria)  
Donatella Firmani (Università La Sapienza di Roma)  
Paolo Garza (Politecnico di Torino)  
Matteo Golfarelli (Università di Bologna)  
Giovanna Guerrini (Università di Genova)  
Francesco Gullo (UniCredit)  
Pietro Hiram Guzzi (Università di Catanzaro)  
Davide Lanti (Libera Università di Bolzano)  
Francesco Leotta (Università La Sapienza di Roma)  
Giuseppe Manco (ICAR-CNR Rende)  
Federica Mandreoli (Università di Modena e Reggio Emilia)  
Elio Masciari (Università Federico II di Napoli)  
Andrea Maurino (Università di Milano Bicocca)  
Michele Melchiori (Università di Brescia)  
Alex Mircoli (Università Politecnica delle Marche)  
Paolo Missier (Newcastle University, UK)  
Cristian Molinaro (Università della Calabria)  
Stefano Montanelli (Università di Milano)  
Vincenzo Moscato (Università Federico II di Napoli)  
Paolo Papotti (Eurecom, France)

Ruggero G. Pensa (Università di Torino)  
Davide Piantella (Politecnico di Milano)  
Andrea Pugliese (Università della Calabria)  
Elisa Quintarelli (Università di Verona)  
Chiara Renso (ISTI-CNR Pisa)  
Salvatore Rinzivillo (ISTI-CNR Pisa)  
Carlo Sartiani (Università della Basilicata)  
Domenico Fabio Savo (Università di Bergamo)  
Giovanni Simonini (Università di Modena e Reggio Emilia)  
Emanuele Storti (Università Politecnica delle Marche)  
Andrea Tagarelli (Università della Calabria)

#### **Doctoral Consortium Program Committee**

Flora Amato (Università Federico II di Napoli)  
Elena Baralis (Politecnico di Torino)  
Silvana Castano (Università di Milano)  
Barbara Catania (Università di Genova)  
Valeria De Antonellis (Università di Brescia)  
Claudia Diamantini (Università Politecnica delle Marche)  
Sergio Greco (Università della Calabria)  
Domenico Lembo (Università La Sapienza di Roma)  
Vincenzo Moscato (Università Federico II di Napoli)

#### **Local Organizing Committee**

Antonio Camporese (Università di Padova)  
Guglielmo Faggioli (Università di Padova)  
Nicola Ferro (Università di Padova)  
Fabio Giachelle (Università di Padova)  
Ornella Irrera (Università di Padova)  
Debora Leoncini (Università di Padova)  
Stefano Marchesin (Università di Padova)  
Laura Menotti (Università di Padova)  
Andrea Pasin (Università di Padova)  
Elisa Quaggio (Sistema Congressi)  
Gianmaria Silvello (Università di Padova)