

Preface of the 31st Italian Symposium on Advanced Database Systems

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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



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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 Diotallevi, 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.

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