

## Preface

The Italian Symposium on Advanced Database Systems (*SEBD – Sistemi Evoluti per Basi di Dati*) is the major annual event of the Italian database research community. The twenty-seventh edition of SEBD was jointly organized by ISTI CNR Pisa, Sapienza Università di Roma, Università della Calabria and ICT-SUD Cosenza, and took place in Castiglione della Pescaia (Grosseto) at Riva del Sole resort from 16th to June 19th 2019.

The symposium program included invited keynote talks by Pavel Zezula (professor at the Masaryk University, Brno, Czech Republic) on similarity management of data, by Divesh Srivastava (head of Database Research at AT&T Labs, USA) on exploring change, and by Carlo Batini (professor at Università di Milano Bicocca) giving a special talk for his retirement. Indeed, SEBD 2019 celebrated the retirements, happened during 2019, of Fausto Rabitti and Carlo Batini, for their great contributions over the years to the Italian database research community. SEBD 2019 also included a doctoral consortium, organized by Fabrizio Falchi, and a tutorial by Andrea Marrella on analysing event data through process mining.

The research track involved presentations of 7 research papers and 39 discussion papers. The latter were short papers mainly devoted to preliminary and ongoing work, system and application descriptions, and new ideas of interest to the SEBD audience. Discussion papers included also extended abstracts of recent publications. The papers covered several research topics, such as searching and retrieval, deep learning and machine learning, ontologies, open data, reasoning techniques, OLAP, visual analytics, stream data management, big data, social media data management, information and data integration, security and blockchain.

We would like to thank the invited keynote speakers and presenter of the tutorial, all authors who submitted papers to the symposium, the members of the program committee, and the additional reviewers for their efforts to produce fair and thorough evaluations of the submitted papers, the general chairs Fausto Rabitti and Sergio Greco, the local organization committee headed by Catherine Bosio and the organizing agency Consulta Umbria, the web and publicity chair Franca Debole, and the publication chair Claudio Gennaro, who helped us in preparing this volume.

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Giuseppe Amato and Massimo Mecella  
SEBD 2019 Program Chairs

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