

Preface

In data management we face the problem of handling and querying very large datasets with large and partially unknown schemas, possibly containing billions of instances. An important issue in this context is to efficiently perform keyword searches. The size of the datasets poses challenges related to both scalability and semantic analysis. Another challenge is the discovery of suitable data sources for keyword search, given that one would want to process queries on relevant sources.

The Second International KEYSTONE Conference (IKC 2016), organized within the Cost Action IC1302 (Semantic Keyword-Based Search on Structured Data Sources), attracted several contributions in the area of keyword and semantic search on large structured data. In all, 14 papers were selected; the topics covered, among others, the areas of keyword extraction, natural language searches, graph databases, information retrieval techniques for keyword search and document retrieval. The program also included invited talks by experts in the field: Maria-Esther Vidal (University of Bonn, Germany), Dan Olteanu (University of Oxford, UK), Mihai Dinsoreanu (Recognos, Romania), Stefan Dietze (LS3 Research Centre, University of Hannover, Germany), Dragan Ivanovic (University of Novi Sad, Serbia), and Radu Tudoran (Huawei, Germany). An exciting panel moderated by Yannis Velegrakis took place with the participation of Radu Tudoran and Vagan Terzian. The program was stimulating and managed to keep the participants in the lecture room despite the wonderful sights of Cluj-Napoca.

The success of this conference is the result of the effort of many. We would like to thank the authors, the invited speakers, the conference participants, the members of the Program Committee, and the external referees. We would also like to thank Springer for providing assistance in the preparation of the proceedings, the University of Cluj-Napoca for providing local facilities, and the local organizers and students who helped run the event.

COST (European Cooperation in Science and Technology) is a pan-European intergovernmental framework. Its mission is to enable break through scientific and technological developments leading to new concepts and products and thereby contribute toward strengthening Europe's research and innovation capacities. It allows researchers, engineers, and scholars to jointly develop their own ideas and take new initiatives across all fields of science and technology, while promoting multi- and interdisciplinary approaches. COST aims at fostering a better integration of less research-intensive countries to the knowledge hubs of the European research area. The COST Association, an international not-for-profit association under Belgian law,

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Sources

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