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Stéphane Marchand-Maillet · Yasin N. Silva
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Similarity Search and Applications

11th International Conference, SISAP 2018
Lima, Peru, October 7–9, 2018
Proceedings

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Preface

This volume contains the papers presented at the 11th International Conference on Similarity Search and Applications (SISAP 2018) held in Lima, Peru, during October 7–9, 2018.

SISAP is an annual forum for researchers and application developers in the area of similarity data management. It focuses on the technological problems shared by numerous application domains, such as data mining, information retrieval, multimedia, computer vision, pattern recognition, computational biology, geography, biometrics, machine learning, and many others that make use of similarity search as a necessary supporting service.

From its roots as a regional workshop in metric indexing, SISAP has expanded to become the only international conference entirely devoted to the issues surrounding the theory, design, analysis, practice, and application of content-based and feature-based similarity search. The SISAP initiative has also created a repository (<http://www.sisap.org/>) serving the similarity search community, for the exchange of examples of real-world applications, source code for similarity indexes, and experimental test beds and benchmark data sets.

The call for papers welcomed full papers, short papers, as well as demonstration papers, with all manuscripts presenting previously unpublished research contributions.

We received 31 submissions from authors based in 17 different countries. The Program Committee (PC) was composed of 50 international members. Reviews were thoroughly discussed by the chairs and PC members: Each submission received three reviews. Based on these reviews and discussions among PC members, the PC chairs accepted 16 full papers, three short papers, and one demonstration paper to be included in the conference program and the proceedings. At SISAP 2018, all contributions were presented orally.

The proceedings of SISAP are published by Springer as a volume in the *Lecture Notes in Computer Science* (LNCS) series. For SISAP 2018, as in previous years, extended versions of five selected excellent papers were invited for publication in a special issue of the journal *Information Systems*. The conference also conferred a Best Paper Award, as judged by the PC co-chairs and Steering Committee.

Beside the presentations of the accepted papers, the conference program featured three keynote presentations from exceptionally skilled scientists: Prof. Alistair Moffat from the University of Melbourne, Australia, Prof. Hanan Samet from the University of Maryland, USA, and Prof. Moshe Y. Vardi from Rice University, USA.

We would like to thank all the authors who submitted papers to SISAP 2018. We would also like to thank all members of the PC and the external reviewers for their effort and contribution to the conference. We want to express our gratitude to the members of the Organizing Committee for the enormous amount of work they did.

We also thank our sponsors and supporters for their generosity. All the submission, reviewing, and proceedings generation processes were made much easier through the EasyChair platform.

August 2018

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