SISAP 2008 — First International Workshop on Similarity Search and Applications

Call for Papers

http://www.sisap.org

The *International Workshop on Similarity Search and Applications (SISAP)* is a new conference devoted to similarity searching, with emphasis on metric space searching. It aims to fill in the gap left by the various scientific venues devoted to similarity searching in spaces with coordinates, by providing a common forum for theoreticians and practitioners around the problem of similarity searching in general spaces (metric and non-metric) or using distance-based (as opposed to coordinate-based) techniques in general.

SISAP aims to become an ideal forum to exchange real-world, challenging and exciting examples of applications, new indexing techniques, common testbeds and benchmarks, source code, and up-to-date literature through a Web page serving the similarity searching community. Authors are expected to use the testbeds and code from the SISAP Web site for comparing new applications, databases, indexes and algorithms.

Contributions to the conference should fall into the following categories:

Basic techniques: general methods that apply to arbitrary metric spaces, nonmetric or (dis)similarity spaces, or high-dimensional vector spaces. We strongly encourage that those be accompanied with an open-source implementation conforming the interface of the Web site and to be tested with a relevant subset of the spaces included in the Web site. This will favor uniform comparison and also permit comparing the technique with future developments. Yet, especially in this first edition, we can waive this requirement for good enough submissions.

Applied techniques: methods that apply to specific similarity search problems. Those papers are also encouraged to contribute with the code and, especially, with the similarity

computation function and the datasets related to the specific problem they address (if they are new), for the Web site.

Spaces and similarities: poster papers that present challenges, in the form of searching in new spaces. This type of contribution is expected to provide a thorough study of the metric space (e.g. its intrinsic dimension) or the similarity measure, and must include code for the similarity computation and datasets for the Web site.

Topics

The topics of interest include, but are not limited to:

- Range search
- knn search
- Limited-range knn search
- Reverse knn search
- Similarity joins
- Clustering (applied to indexing)
- Parallelism
- Approximate searching
- Computation of intrinsic dimension
- Cost models
- Embeddings
- Languages for similarity databases

Program Committee

- Edgar Chávez (**co-chair**), Universidad Michoacana, Mexico
- Paolo Ciaccia, Universitá di Bologna, Italy
- Alfredo Ferro, Universitá di Catania, Italy
- Daniel Keim, Universitat Konstanz, Germany
- Daniel Miranker, University of Texas at Austin, USA
- Gonzalo Navarro (**co-chair**), Universidad de Chile, Chile
- Marco Patella, Universitá di Bologna, Italy
- Hanan Samet, University of Maryland, USA
- Tomás Skopal, Charles University in Prague, Czech Republic
- Pavel Zezula, Masaryk University, Czech Republic

Important Dates

Abstract submissions: November 26, 2007.

Paper submissions: December 1, 2007.

Notifications: December 27, 2007.

Camera-ready: January 15, 2008.

Workshop: April 11–12, 2008.

Submission Instructions

Please submit an extended abstract of at most 10 pages using 11-point size and reasonable margins (e.g. fullpage option in Latex). Those 10 pages include title, abstract, paper body, and references. Additional appendixes can use more pages but they will be read at the discretion of the reviewer, so they should not be used for material that is essential to understand the relevance of the contribution.

We remark that reviewing is double-blind, so please do not include author information nor any data that discloses authorship in an obvious way.

The submission procedure will be found from the Web site of the Workshop, `http://www.sisap.org`. The library of metric spaces and index implementations will be available at the same site.

Venue

SISAP 2008 will operate as a workshop co-located with ICDE 2008, in April 11-12, 2008. ICDE 2008 will be held in Cancun, Mexico, see `http://www.icde2008.org` for details.

Conference Proceedings and Special Issue

The Proceedings will be published by IEEE Computer Society Press.

A special issue with the extended versions of the best SISAP 2008 papers will appear in the *Journal of Discrete Algorithms* (Elsevier).