

📅 October 1-3, 2025

CONFERENCE WEBSITE: <https://sisap.org/2025/>

| About the Conference

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18th International Conference on Similarity Search and Applications,
SISAP 2025

Reykjavik, Iceland, October 1-3, 2025

<https://www.sisap.org/2025/>
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📅 Important Dates



CONFERENCE DATE
October 1-3, 2025

==== Important Dates =====

Regular and Special Session Papers

Abstract deadline: May 11, 2025 (AoE)

Paper deadline: May 18, 2025 (AoE)

Paper notification: July 14, 2025 (AoE)

Camera-ready due: July 31, 2025 (AoE)

Demonstration and Doctoral Symposium Papers

Paper deadline: June 6, 2025 (AoE)

Paper notification: July 14, 2025 (AoE)

Camera-ready due: July 31, 2025 (AoE)

Special Session Proposals

Special Session proposal deadline: February 3, 2025 (AoE)

Notification: February 17, 2025 (AoE)

=== Scope ===

The 18th International Conference on Similarity Search and Applications (SISAP) is an annual forum for researchers and application developers in the area of similarity data management. It aims at the technological problems shared by numerous application domains, such as data mining, information retrieval, multimedia retrieval, 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 in metric indexing, SISAP has expanded to become the

only international conference entirely devoted to all issues surrounding the theory, design, analysis, practice, and application of content-based and feature-based similarity search. Since 2021, SISAP has been a CORE Rank B conference.

The conference proceedings will be published by Springer as a volume in the Springer Lecture Notes in Computer Science (LNCS) series.

=== Important Additional Scholarly Activities at SISAP ===

-SISAP Indexing Challenge

-Fifth Doctoral Symposium on Similarity Search and Applications

=== Call for Special Sessions at SISAP 2025 ===

Special sessions are mini-venues, each focusing on one state-of-the-art research direction within the field of similarity search and applications. Special session papers will supplement the regular research papers and be included in the proceedings of SISAP 2025, which will be published by Springer as a volume in the Lecture Notes in Computer Science (LNCS) series. Special sessions should generally be organized in a moderated panel format, typically led by one of the special session chairs, where the authors have reduced time to present their work, followed by an extensive Q&A session with the audience. It is expected that special session chairs attend the conference.

The panel format is a general guideline rather than a strict requirement. If a proposal envisages a different session format, we are open to such a submission and would negotiate it further.

Special session proposals must be submitted by email to sisap2025@isti.cnr.it by February 3, 2025.

Please see the website at

<https://www.sisap.org/2025/call4specialsession.html> for more information about these special sessions.

=== Doctoral Symposium ===

SISAP 2025 Doctoral Symposium provides a forum for PhD students to present their research ideas and receive feedback from senior members of the research community. The Symposium fosters a collaborative environment, encouraging constructive discussions and sharing of ideas.

Please see <https://www.sisap.org/2025/doctorsymposium.html> for more details.

=== Topics of interest ===

Topics of interest to the SISAP community include (but are not limited to) the following:

Similarity

- *Similarity queries (k-NN, range, reverse NN, top-k, Approximate and/or precise solutions, etc.)
- *Similarity measures (for vectors, graphs, structures, time series, complex data, tensors, secondary similarity, etc.)
- *Similarity operations (joins, ranking, classification, categorization, filtering, etc.)

Scalability

- *Indexing and access methods for similarity-based processing
- *High-performance/large-scale similarity search (distributed, parallel, etc.)
- *Data management (transaction support, dynamic maintenance, etc.)

Theory

- *Models of similarity
- *Intrinsic dimensionality and Curse of dimensionality
- *Discriminability and contrast
- *Languages for similarity databases
- *Manifolds and subspaces

Analytics, Learning, Artificial Intelligence

- *Feature selection and extraction for similarity search
- *Representations learning for feature extraction
- *Visual analytics for similarity-based operations
- *Learning/adaptive similarity measures
- *Similarity in learning and mining
- *Merging/combining multiple similarity modalities

Evaluation

- *Evaluation techniques for similarity queries and operations
- *Cost models and analysis for similarity data processing
- *Performance studies and comparisons
- *Test collections and benchmarks

Applications

- *Multimedia retrieval systems
- *Dense retrieval
- *Vector databases
- *Similarity search in emerging data domains
- *Applications of similarity-based operations
- *Industrial applications and case studies
- *Similarity search cloud services
- *Security and privacy of in similarity search

*Similarity for forensics and security

=== Organization ===

Steering Committee

*Giuseppe Amato, ISTI-CNR, Italy

*Edgar Chávez, CICESE, México

*Stéphane Marchand-Maillet, University of Geneva, Switzerland

*Marco Patella, University of Bologna, Italy

*Ilaria Bartolini, University of Bologna, Italy

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SISAP Indexing Challenge Chairs

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*Martin Aumüller, ITU Copenhagen, Denmark

*Vladimir Mic, Aarhus University, Denmark

*Edgar Chávez, CICESE, México

TOPICS OF INTEREST

4 topics

Research papers are invited in, but not limited to, the following areas:

Uncategorized

Image & Signal Processing

Digital Libraries & Information Systems

Business & Management

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