# Special Track on:
# INFORMATION ACCESS AND RETRIEVAL

https://www.sigapp.org/sac/sac2021/

**IAR Track 2021 facebook link for updated information**
https://www.facebook.com/events/332036691142147

**planned at Gwangju, Korea**

**Held Virtually**
**March 22-March 26, 2021**

**sponsored by**
**ACM Special Interest Group on Applied Computing (SIGAPP)**

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For the past 36th years the ACM Symposium on Applied Computing (SAC) has been a primary and international forum for applied computer scientists, computer engineers and application developers to gather, interact and present their work. The ACM Special Interest Group on Applied Computing (SIGAPP) is the sole sponsor of SAC. The conference proceedings are published by ACM and are also available online through ACM's Digital Library.

**The Information Access and Retrieval special track is concerned with the theory, implementation and evaluation of information access technologies to novel application areas and novel contexts.**

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| Nov 10, 2020 | Notification of papers and posters and SRC acceptance/rejection |
| Nov 25, 2020 | Camera-ready copies of accepted papers |
| Dec 21, 2020 | Author registration due date to have accepted paper published in the proceedings |

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# Special Track on Information Access and Retrieval (IAR - SAC 2021)

With the incredible expansion of the Web, the expression "big data" has become of common use to indicate huge amounts of both unstructured and structured data (high Volumes) different as far as their formats, genre and topics (great Variety), characterised by variable creation rates by sources with high or periodic frequency (high Velocity), and heterogeneous trustworthiness (Veracity). In facts, big data also comprise user generated contents in the form of query logs, social media messages and volunteered geographic information. Thus, in order to extract value from big data new scalable techniques are needed to select, filter, normalize, integrate, analyse and visualize "big data" coping with the 4 Vs in order to achieve as far as possible both efficiency and effectiveness.

A widespread diversification of information access technologies has been developed (e.g. Recommender Systems, Question Answering Systems, Geographic IRS, social information systems and services, discovery services of geospatial information); moreover these technologies are used in many different applicative contexts.

These new technologies reflect the evolution of the research on information access and retrieval that has moved from considering the problems posed by the management of textual information such as the modelling, design, implementation and evaluation of systems that provide a fast and effective access to large amount of textual documents, to deal with the problems posed by systems managing a large amount of distributed multimedia information, heterogeneous with respect to many aspects such as formats, types, genres, authorships and quality.

The main issues of the research in this field include: providing effective means to express information needs, identifying user intents and interests varying in time, analysing the retrieved results by estimating the relevance of documents to user information needs, intentions and knowledge, evaluating the sources trustfulness. These are complex tasks that depend on several factors among which the subjective and multi-dimensional nature of relevance, both user's and documents' context, and the documents' nature as well as the temporal evolution of such factors. The definition of new models as well as their application and evaluation in standard experimental contexts are very challenging tasks that deserve a great attention by the researchers.

# Topics

This special track is concerned with the theory, implementation and evaluation of information access and retrieval technologies to novel application areas and novel contexts. This is the 17th edition of this track in the context of SAC.

We invite submission of original research contributions, and experimentations in emerging fields such as context-based, personalized and temporal-based IR; crowd-sourced Information analysis and filtering; collaborative search and filtering; user Interfaces for information access, presentation, and exploration of web results; quality assessment for Information retrieval and filtering; .

The topics of interest include:

- Crawling, indexing, retrieval and filtering of images, audio files, video and georeferenced information on the Web and within social networks,
- Semantic, conceptual, ontology-based indexing, querying, retrieval and filtering,
- Users' modelling and personalization in IR and filtering,
- Context-based IR and filtering,
- Spatio-Temporal-based IR and filtering,
- Flexible content and spatial query languages,
- Topic and event detection and tracking,
- Sentiment analysis,
- Cross language retrieval,
- Collaborative information searching and filtering,
- (Mobile) Search engines and location-based services,
- Models of information access and retrieval,
- Emerging Applications of information access and retrieval,
- Web Recommendation search, ranking and summarization

# Guidelines for Submission:

Original full papers and Student Research (SRC) abstracts from the above mentioned or related areas will be considered. Submissions fall into the following categories: Original and unpublished work Reports of innovative computing applications in the arts, sciences, engineering, and business areas Reports of successful technology transfer to new problem domains Reports of industrial experience and demos of new innovative systems.

Peer groups with expertise in the track focus area will blindly review submissions to that track. Each submitted paper will be reviewed by at least three referees. Accepted papers will be published in the annual conference proceedings. Submission guidelines can be found in the download page of SAC 2021 Website https://www.sigapp.org/sac/sac2021/.

Submission of the same paper and SRC Abstract to multiple tracks is not allowed.

Submissions must follow the template reported at the conference web site.

Further information on SRC Abstracts are provided in the Call for SRC Abstracts .

Here some information for submission:

1.START Submissions: Using the passcode associated with your draft submission, log into

**https://www.sigapp.org/sac/sac2021/submission.html** (for regular and poster papers)

**https://www.sigapp.org/sac/sac2021/submission_src.html** (for student research abstracts)

If you have difficulty with START system, please contact the Softconf support team at (support@softconf.com).

**Page Limit**

Full papers are limited to 8 pages with the option for up to 2 additional pages and Posters are limited to 3 pages with the option for up to 1 additional page.

Submissions should be printable on a standard printer on common paper formats, such as US letter and A4.

The author(s) name(s) and address(es) must NOT appear in the body of the paper, and self reference should be in the third person. This is to guarantee impartiality of the blind review.

**Notice that not blind Full Papers will not be sent to the reviews and will be rejected.**

**Paper registration is required, allowing the inclusion of the paper/poster in the conference proceedings. An author or a proxy attending SAC MUST present the paper. This is a requirement for the paper/poster to be included in the ACM digital library. No-show of registered papers and posters will result in excluding them from the ACM digital library.**