At the 37th ACM/SIGAPP Symposium On Applied Computing

Special Track on:
INFORMATION ACCESS AND RETRIEVAL

http://www.sigapp.org/sac/sac2022/index.html

IAR Track 2022 facebook link for updated information

https://www.facebook.com/events/366556551492102/?active_tab=about

IAR track CFP:
http://www.irea.cnr.it/en/index.php?option=com_k2&view=item&id=627:call-for-papers-sac-2022

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For the past 37th 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.

October 24, 2021   Extended deadline for Submission of regular papers and SRC research abstracts
October 25, 2021   Submission of Tutorial Proposals
November 20, 2021   Notification of Tutorials Acceptance
December 10, 2021 Notification of paper acceptance/rejection
December 10, 2021 Notification of SRC acceptance/rejection

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Special Track on Information Access and Retrieval (IAR - SAC 2022)

Since the first Information Retrieval group by Gerard Salton at Cornell during the '60s, Information Retrieval (IR) research has grown well beyond its primary goals of indexing and searching textual documents in static bibliographic collections, and has moved away from the perception of being the narrow area of interest of librarians and information experts.

With the expansion of the Web, IR has to manage "big data", i.e., large amount 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 quality and trustworthiness (Veracity).

Big data comprehends both authoritative documents, such as refereed scientific articles in open data journals, and 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.

The main issues of the research in this field include: providing effective means to express information needs, identifying user knowledge and interests varying in time, analysing the retrieved results by estimating the multidimensional relevance of documents to user information needs, the query intent and the sources trustfulness. 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.

Besides, during the last decade, the methods applied to model IR tasks have seen a paradigmatic change from the premier model-based approaches, such as the famous Boolean and Vector Space Models, to data driven approaches based on Deep Learning, such as transformers modelling attention and Embedding methods mapping discrete and categorical variables like words to vectors of real numbers.

These AI technologies have demonstrated very successful but fail when the training collections are affected by some bias. So an novel IR area is creating benchmark training collections for diverse IR tasks.

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 18th 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 spatio 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; social network sentiment analysis; Question Answering in textual and multimedia contexts .

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 2022 Website http://www.sigapp.org/sac/sac2022/authorkit.html

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:

Page Limit

Note: 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 double 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.