

Guest Editorial Preface

Special Issue on Recent Trends in Information Retrieval

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Information retrieval is a process to identify the relevant information of an unstructured nature within the context of information need from a set of large information pool of resources. In answer to a variety of issues concern for providing information access, information retrieval has evolved providing systematic procedure for searching a variety of contents. Information search and retrieval paves a significant way to locate relevant resources. The ability to support an end user in obtaining relevant information is the responsibility of librarians and information scientists. The Searches results may find their basis on metadata or on full-text or other content-based indexing. Optimization of information retrieval strategies has contributed a lot in generation of web search engine to latest quality standards where the majority of internet users are gratified majority of the time, and web search has become an ordinary and often desired source of information finding.

Though traditionally the information's content begins with library records and orderly publications, but soon it extends a variety of contents delivered by information professionals. Much of the scientific research on information retrieval has happened in these contexts and much of the continual practice of information retrieval contracts with providing access to unstructured information in a variety of domains. Nevertheless, in current years, a principal driver of novelty is World Wide Web which has unleashed publication at the scale of tens of millions of publications of content founders. This detonation of published information would be moot if the information could not be got, annotated and analyzed so that complete and relevant information can be found by each user according to their needs. Information retrieval is not just one field but combination of many different domains of computer science and other areas such as

- Natural Language Processing for better document understanding,
- Machine learning to make intelligent crawlers,
- Human computer interaction to design user interface,
- Statistics to find trend in data,
- Databases to efficiently store and cached documents,
- Computer architecture to make process parallel and fast

and many more field such as temporal information retrieval, opinion mining & sentiment analysis, social network analysis, visual segmentation of web page, multimedia information retrieval, recommendation systems, micro blog information retrieval, news information retrieval, music information retrieval contribute to this area of information retrieval.

In the first article, entitled Concept of Association Rule of Data Mining Assists Mitigating the Increasing Obesity, authors have implemented the idea of association rule of data mining that had served the purpose of regulating the exercise patterns which was placed in the frequency set comprising of sleep, the regular event, enhancing the likelihood of occurring exercise event, along with the sleep event.

In the second article, entitled Design of a Least Cost Vertical Search Engine Based on Domain Specific Hidden Web Crawler, authors have implemented the architecture of a vertical search engine based on the domain specific hidden web crawler and with the help of this architecture cost of different search field can be reduced.

In the third article, entitled Information Retrieval Model using Uncertain Confidence's Network, authors have proposed a new relevance feedback approach to collaborative information retrieval based on a confidence's network, which executes propagation relevance between annotations terms.

In the fourth article, entitled Self-Adaptive Ontology based Focused Crawler for Social Bookmarking Sites, authors have proposed ingenious system that is ontology based and is self-adaptive and it will confirm the faithfulness and strength of the URL posted in the Social Bookmarking Sites.

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