

Call-for-Papers

ACM Fifteenth Conference on Information and Knowledge Management (CIKM2006)

November 6-11, 2006

Sheraton Crystal City Hotel
Arlington, VA 22202

<http://www.csee.umbc.edu/cikm/>

Since 1992, the **ACM Conference on Information and Knowledge Management (CIKM)** has successfully brought together leading researchers and developers from the database, information retrieval, and knowledge management communities. The purpose of the conference is to identify challenging problems facing the development of future knowledge and information systems, and to shape future research directions through the publication of high quality, applied and theoretical research findings. In CIKM-06, we also will continue the tradition of encouraging collaboration among multiple areas. We encourage submissions of high quality papers on all topics in the general areas of **databases**, **information retrieval**, and **knowledge management**. Papers that bridge across these areas are of special interest, and will be considered for a "Best Interdisciplinary Paper" award.

Topics of interest in the three tracks include, but are not limited to:

Databases

- Access methods and indexing
- Authorization, privacy and security
- Concurrency control and recovery
- Database languages and models
- Mobile databases and ubiquitous data management
- Peer to peer, parallel and distributed databases
- Query processing, optimization and performance
- Real-time and active databases
- Scientific and biological databases
- Semi-structured data and XML databases
- Stream-based processing and sensor databases
- Temporal, spatial and multimedia databases

Information Retrieval

- Cross-language and multi-lingual information retrieval
- Digital libraries
- Document and query representation
- Document summarization and question answering
- Document tracking, routing, and filtering; recommenders
- Hypertext and hypermedia management
- Information retrieval applications, e.g., chemical or genomic information
- Information retrieval evaluation, metrics
- Information retrieval models and theory
- Information visualization and exploration
- Interactive retrieval, user models and studies
- Interoperability and integration (federation, harvesting, fusion, mediators, wrappers)
- Metadata extraction and generation
- Multi-media and content-based information retrieval, music retrieval

- Performance issues in information retrieval
- Personalization and personal information management
- Question answering
- Test collections, experimental design
- Text classification and clustering, machine learning
- Web and distributed information retrieval

Knowledge Management

- Novel data mining algorithms
- Mining data streams
- Mining temporal and spatial data
- Mining text and semi-structured data
- Mining Web content, structure and usage data
- Mining reviews, blogs and discussions
- Link analysis and community discovery
- Data/information extraction and integration
- Knowledge management and synthesis
- Security and privacy issues
- Pre-processing, post-processing and visual data mining
- Applications of data mining (biomedical, multi-media, etc)

Research Paper Submissions

Authors are invited to submit original, unpublished research papers that are **not** being considered for publication in any other forum. Manuscripts should be submitted electronically, in PDF format and formatted using the ACM camera-ready templates available at

<http://www.acm.org/sigs/pubs/proceed/template.html>.

A website with camera-ready instructions is available at

<http://www.sheridanprinting.com/typedept/cikm.htm>.

Papers cannot exceed 8 pages in length. The **electronic submission Web site** for research papers is available at <https://msrcmt.research.microsoft.com/CIKM2006/>.

In addition to the regular full length papers, some will be accepted as 2 page poster papers. One author per paper is required to register and attend the conference to present the paper if accepted for publication.

"Best Interdisciplinary Paper" Award

A "Best Interdisciplinary Paper" award will be given to the best paper that bridges at least two of the general areas of interest to the conference, namely databases, information retrieval, and knowledge management.

Special Journal Issue

As in previous years, expanded versions of the best accepted papers will be invited to appear in a special issue of a journal.

Industry Track Submissions

We invite authors from industry to submit papers that describe solutions in all the information and knowledge management areas addressed by this conference. The focus of these papers should be on the technical aspects of the work, like:

- which problems were addressed by the solution?
- what are the relevant implementation details?
- were new research problems discovered while implementing the application?
- most important: what are the lessons learned?

The submission procedure for industrial papers is the same as for research papers.

Important Dates

Deadline for research and industrial paper submissions:	May 31, 2006
Notification to authors:	August 1, 2006
Final camera-ready version due (research paper and industry track):	August 31, 2006
Conference date:	November 6-11, 2006

Location

Sheraton Crystal City Hotel
 1800 Jefferson Davis Highway
 Arlington, VA 22202
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Conference Organizers

General Chair: Philip S. Yu, IBM T.J. Watson Research Center; psyu@us.ibm.com; (914) 784 7141

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