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


A website with camera-ready instructions is available at


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

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