

# Call for Papers

## The 19<sup>th</sup> ACM International Conference on Information and Knowledge Management Toronto, Canada, October 26-30, 2010

<http://www.yorku.ca/cikm10>

### Sponsored by: ACM SIGIR, SIGWEB and SIGKDD

THEME: The 19<sup>th</sup> ACM International Conference on Information and Knowledge Management (**CIKM 2010**) will be held from October 26 to 30, 2010 in Toronto, Canada. CIKM is a well-known top tier and premier ACM conference in the areas of **information retrieval**, **knowledge management** and **database**. Since 1992, it has successfully brought together leading researchers and developers from the three 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 2010, we will continue the tradition of promoting 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:

Data Adaptability, Quality, Reusability and Adaptability  
Information Integration, Data Provenance, Probabilistic Databases  
Mobile and distributed data management  
Query Optimization  
Security and Data Privacy  
Semantic Web  
Streams, Network Databases  
String Databases, Blogs and Social Search Systems, Platforms, Middleware, Applications and Experiences  
User experience (languages, models, interfaces)  
XML Data Processing, Filtering, Routing, and Algorithms  
Novel Data Management Tools  
Data Warehousing and OLAP

#### Information Retrieval:

Citation Analysis, Social Networks for IR  
Domain-specific IR (e.g., Legal IR, Genome, Mobile IR, IR for chemical structures)  
Filtering (e.g., Routing, Collaborative filtering, Topic tracking, Recommender systems)  
Foundation of Information Retrieval (e.g., theory, ranking)

IR Architectures, Scalability and Efficiency  
IR Evaluation  
Language Specific IR (Multi-lingual, Cross-lingual, NLP)  
Machine Learning for IR  
Multimedia IR (Audio, Speech, Video, Image)  
Semi-Structured Information Retrieval  
User Modeling for IR, Search Personalization  
Web Search, Advertising, Adversarial

#### Knowledge Management:

Advertising and Optimization  
Classification and Clustering  
Data pre- and post-Processing  
Information Extraction  
Information Filtering and Recommender Systems  
Knowledge Synthesis and Visualization  
Large-scale statistical techniques  
Link and Graph Mining  
Semantic Techniques  
Temporal and Spatial Data Mining  
Text Mining

#### Industry track:

Industrial Practice and Experience  
Technology for Developing Regions

#### Paper Submissions for CIKM 2010

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/publications/proceedings-templates>

ACM CIKM review is double-blind. Therefore, please anonymize your submission. Papers cannot exceed 10 pages in length. In addition to the regular full-length papers, the program committee will accept some as poster papers (4 pages using ACM camera-ready double column format). Note that the submission procedure is the same for all areas.

Uploading instructions and more detailed submission instructions for papers, workshop and tutorial proposals, are available at the conference website (<http://www.yorku.ca/cikm10>).

One author per paper is required to register and attend the conference to present the paper if accepted for publication. Only accepted papers that are presented by one of authors will be indexed by the ACM digital library. Each accepted paper is required a full registration fee regardless the status of the registered author.

A “Best *Interdisciplinary Paper*” award (sponsored by **Google**) 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. The graduate students travel award will be sponsored by **Microsoft**.

A selected number of top-quality accepted papers will be invited to submit an expanded version for publications in high quality journals through an expedient review and publication process.

### **Industrial Papers for CIKM 2010**

Industry authors are also invited to submit papers describing solutions in the domains addressed by this conference, focusing on the technical aspects of their work. The submission procedure for industrial papers is the same as for research papers.

### **Important Dates for CIKM 2010**

Research and Industry Track	Abstracts due: May 27, 2010 Papers due: June 3, 2010 Notification of Acceptance: July 15, 2010 Camera ready August 15, 2010
Workshops	Proposals due: April 25, 2010 Notification of workshop proposal Acceptance: May 5, 2010 Individual workshop papers due June 30, 2010 Notification of Acceptance: July 30, 2010 Camera ready August 15, 2010
Tutorials	Proposals due: July 15, 2010 Notification of Acceptance: July 25, 2010
Registration	Registration opens June 30, 2010 Author registration (one full registration per accepted paper) due: Aug 15, 2010 Early registration deadline: August 22, 2010
Conference Dates	Tutorial Day: October 26, 2010 Conference: October 27, 28, 29 2010 Workshops: October 30, 2008 (and part of October 29 if required)

### **Organizing Committee for CIKM 2010**

Conference Chair	Jimmy Huang (York University, Canada)
DB Track PC Chair	Nick Koudas (University of Toronto, Canada)
IR Track PC Chair	Gareth Jones (Dublin City University, Ireland)
KM Track PC Chair	Xindong Wu (University of Vermont, USA)
Industry Chair	Kevyn Collins-Thompson (Microsoft Research, USA)
Proceedings Chair	Aijun An (York University, Canada)
Tutorials Co-Chairs	Andrew MacFarlane (City University in London, UK) Dimitri Theodoratos (New Jersey Institute of Tech., USA)
Workshops Chair	Mounia Lamas (University of Glasgow, UK)
Local Arrangement Co-Chairs	Marshall Walker (York University, Canada) Xiaohui Yu (York University, Canada)
Sponsorship Co-Chairs	Tapas Kanungo (Microsoft Bing, USA) Thomas Lynam (York University, Canada)
Publicity Co-Chairs	Shusaku Tsumoto (Shimane University, Japan) Jing Bai (Yahoo! Labs, USA)
Treasurer	E.K. Park (City University of New York, USA)
CIKM 2011 Liaison	Iadh Ounis (University of Glasgow, UK)
Web Master	Dawid Kasperowicz