

**The 1st International Conference on
Information Acquisition and Knowledge Services
Joint with
The 6th Workshop on Search Behavior and User Cognition
(October 2014, Nanjing China)**

Introduction

It is a pleasure to welcome you to the 1st International Conference on Information Acquisition and Knowledge Services (IAKS'2014), which will be held in Nanjing and hosted by Nanjing University of Science and Technology, during October 10-12, 2014.

Nowadays, social and economic changes are fuelling the rise of big data, leading to a data deluge. Volume, Velocity, Variety, Veracity, Value - the traits of big data, have gone far beyond the traditional information management.

The integration of users, resources, knowledge, intelligence, processes and services, and the convergence of mobile platforms, web, Internet of Things, mass media and social networks in big data environments have been driving the dramatic reshaping of underlying techniques of information access, storage, organization, analysis, presentation and services from traditional "data transmission" to "computation transmission" and "knowledge services".

The way the big data is going, the information management is becoming more users focused and knowledge focused. Whereas big data is providing users with totally new experiences of computation and intelligent services, it is radically changing users' information behaviors and their demands for knowledge.

In response to the pressures and to achieve better insights from big data, over the next decade, researchers and analysts from both academic and industrial organizations have to dedicate their efforts to information acquisition and knowledge services in big data environments.

Therefore, we are motivated to hold the 1st International Conference on Information Acquisition and Knowledge Services, hoping to invite researchers and analysts from all over the world to gather together, share the research outcomes, discuss the edge-cutting theories and techniques, and prospect for the trends in the very fields.

Succeeding the former five workshops on search behavior and user cognition held in Beijing, Nanjing, Chengdu, Wuhan and Guangzhou respectively, this international conference is initiated jointly by Peking University, Nanjing University of Science and Technology, the University of Pittsburgh, the Research

Centre of Information Resources at Wuhan University and Nanjing University, and co-sponsored by IEEE, related prestigious universities and academic publications, as well as industrial organizations.

The conference website can be found at <http://sem.njust.edu.cn/iaks2014/>.

Call for Papers

Please join us for IAKS'2014 to gain new knowledge and to learn and exchange exciting new research results, leading practices, and high impact applications in information acquisition and seeking, knowledge systematization and services as well as user behavior and cognitive informatics. Authors are cordially invited to submit original research papers in any aspects of information behavior sciences from big data perspectives with emphases on but not limited to the following topics:

- Techniques and Methodologies of Information Acquisition and Seeking
 - Information Needs and User Profiling
 - Information Seeking and Acquisition
 - Intelligent Searching and Information Converging
 - Social Information Retrieval
 - Information Literacy and Information Ethics
- Techniques and Methodologies of Knowledge Systematization and Services
 - Knowledge Organization Systems
 - Knowledge Representation and Ontology Engineering
 - Knowledge Converging and Discovery
 - Knowledge Navigation and Presentation
 - Personalized Knowledge Services
- User Behavior and Cognitive Informatics
 - Theories of User Behavior and Cognition
 - Information Cognition Behavior Computation
 - Individual Behavior and Crowd/Group Decision-Making
 - Social Network Analysis
 - Social Computation and Behavioral Simulation
- User Generated Content and Interaction Mining
 - Social Tagging
 - Social Relationship Mining and Community Discovery
 - User Logs Mining
 - Personalized Mining
 - Industrial Applications of User Generated Content

Sponsors

Peking University, China

Nanjing University of Science and Technology, China

University of Pittsburgh, USA

Research Centre of Information Resources at Wuhan University, China

Nanjing University, China

Keynote Speakers

We are seeking the most prestigious and outstanding researchers in the fields of big data computing, behavioral computing and social computing from all over the world to make keynotes in this event.

Invited speakers are as follows:

- **Gary Marchionini**, *Prof., School of Information and Library Science, University of North Carolina, USA*
- **Ronald Larsen**, *Prof., School of Information Sciences, University of Pittsburgh, USA*
- **Jonathan Zhu**, *Prof., Department of Media and Communication, City University of Hong Kong, China*
- **Changzhu Huang**, *Prof., Chinese Academy of Social Science, China*
- **Chuanfu Chen**, *Prof., School of Information Management, Wuhan University, China*
- **Maosheng Lai**, *Prof., School of Information Management, Peking University, China*

Important Dates

April 30, 2014: Conference Paper Submission Deadline

May 31, 2014: Notification of Acceptance/Rejection & Registration Starts

June 20, 2014: Camera-Ready Paper Submission Due & Registration Due

Submissions

Authors are invited to submit original technical papers via <http://www.easychair.org/conferences/?conf=iaks2014>.

Manuscripts should be formatted according to the template, which can be downloaded by <http://sem.njust.edu.cn/iaks2014/PaperTemplate.rar>.

Manuscripts more than 5 pages will lead to extra charge.

Paper Acceptance

Manuscripts should present the current research in the areas identified in the call for papers. All submitted manuscripts will be reviewed by experts in the fields and will be judged from the aspects of problem significance, contributions, originality, correctness, technical strength, quality of presentation, and relevance to the conference attendees. Papers will be accepted with Regular Papers and Short Papers with maximal 8 pages and 4 pages in the final version respectively.

Publications

Part of the proceedings will be published as a special issue of *Geomatics and Information Science of Wuhan University*, which is indexed by EI (Compendex). Other accepted and presented papers, including the workshops' papers will be published as special issues of *Information Studies and Practices* and *Information Science*, both are CSSCI indexed journals.

Selected BEST papers will be recommended to the following SSCI/SCI indexed international journals for reviews (to be updated):

- Journal of Electronic Commerce Research
- Electronic Library

Authors of accepted papers, or at least one of them, should register and present their work at the conference, otherwise their papers will be removed from the aforementioned publications and associated indexing systems.

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