

## Call for Papers

### **The 2009 IEEE International Workshop on Intelligent Data Analysis and Its Applications (IEEE IDAA 2009)**

In conjunction with IEEE BIFE 2009 (<http://madis1.iss.ac.cn/bife2009>)  
Beijing, China, July 24-26, 2009

#### **Motivation**

Intelligent Data Analysis (IDA) is an emerging interdisciplinary field related to the research and applications of artificial intelligence techniques in data analysis. These techniques include (but are not limited to) all areas of data visualization, data pre-processing (fusion, editing, transformation, filtering, sampling), data engineering, database mining techniques, tools and applications, use of domain knowledge in data analysis, evolutionary algorithms, machine learning, neural nets, fuzzy logic, statistical pattern recognition, knowledge filtering, and post-processing. In particular, this workshop solicits some papers that discuss development of new AI related data analysis architectures, methodologies, and techniques and their applications to various domains. The main purpose of this workshop is to provide an open forum for researchers and practitioners to exchange the newest idea and progress in IDA.

#### **Topics**

The primary focus of this workshop is on new and original research results in the areas of the IDA. We cordially invite you to submit your papers related to IDA. The topics include, but not limit to

- Artificial intelligence
- Neural networks
- Evolutionary computation
- Machine Learning
- Heuristic and meta-heuristic methods
- Computational learning theory (cooperative learning, competitive learning)
- Incremental and on-line learning
- Unsupervised learning
- Case-based reasoning
- Decision and induction
- Bayesian networks

- Knowledge acquisition and learning
- Data pre- and post-processing
- Data visualization
- Statistical pattern recognition and analysis
- Performance and optimization
- New IDA paradigm and theoretical IDA issues
- Application Fields (Industrial data analysis, financial data analysis, etc)

## Important Dates

**Full Paper Submission: March 10, 2009**

**Acceptance Notification: March 20, 2009**

**Camera-ready papers: April 15, 2009**

**Conference Registration: March 20, 2009-April 15, 2009**

**Conference Date: July 24-26, 2009**

## Submissions

All papers should be written in English, the length of the manuscripts will be limited to 5 pages (IEEE Two-Column Proceedings style). All paper should be submitted via IEEE BIFE 2009 submission web site (**Please select the category of “Workshop2: IDAA2009”**): <https://www.easychair.org/login.cgi?conf=bife2009> .

## Publications

All accepted papers will be included in IEEE Computer Society Proceedings (Published by IEEE Computer Society), which will be cited by EI Compendex and ISTP, if authors are willing to pay for registration fee.

Furthermore, extended version of some selected high-quality papers will be published in the special issues of some international journals.

- Computing and Informatics (SCI)
- Journal of Computer and System Sciences (SCI)

## Workshop Co-Chairs

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