

ADMA 2005 CALL FOR PAPERS

First International Conference on Advanced Data Mining and Applications

Wuhan, China, 22-24 July, 2005

<http://www.itee.uq.edu.au/~adma05>

adma05@itee.uq.edu.au

Honorary Chair

Lotfi A.Zadeh

Jingnan Liu

General Co-Chair:

Xiaofang Zhou

University of Queensland, Australia

Deren Li

Wuhan University, China

PC Co-Chair:

Xue Li & Zhaoyang Dong

University of Queensland, Australia

Shuliang Wang

Wuhan University, China

Organization Co-Chair:

Yixin Zeng, Min Chen

Wuhan University, China

Tutorial Chair:

Osmar R. Zaiane

University of Alberta, Canada

Publicity Chair:

Yanchun Zhang

Victoria University, Australia

With the continuous increase and accumulation, the huge amounts of the computerized data have far exceeded human ability to completely interpret and use. Then, data mining, or knowledge discovery from databases is proposed to gain insight into aspects of the data and save people out of data sea. A growing attention has been paid to the study, development and application of data mining. As a result there is an urgent need for sophisticated techniques and tools that can handle new fields of data mining, e.g. spatial data mining in the context of spatial-temporal characteristics. Our knowledge on data mining should also have to be expanded to new applications.

The First International Conference on Advanced Data Mining and Applications (ADMA2005) aims at bringing together the experts on data mining in the world, and provides a leading international forum for the dissemination of original research results in data mining, spanning applications, algorithms, software and systems, and different applied disciplines with potential in data mining.

The paper should be in English and contain unpublished contributions to the data mining fields.

The proceedings of the conference will be published by Springer in its Lecture Notes in Computer Science series.

We invite authors to submit papers on any topics of advanced data mining and applications, including but not limited to:

Advanced Data Mining Topics

- Grand challenges of data mining
- Mining on data streams
- Spatial data mining
- Web mining
- High performance data mining algorithms
- Data-mining-ready structures and pre-processing
- Data mining visualization
- Information hiding in data mining
- Parallel and distributed data mining algorithms
- Graph and subgraph mining
- Text, video, multimedia data mining
- Correlation mining
- Bench marking and evaluations
- Interactive data mining
- Security and privacy issues
- Competitive analysis of mining algorithms

Data Mining Applications

- Database administration, indexing, performance tuning
- DNA Sequencing, Bioinformatics, Genomics, and biometrics
- Medical informatics
- Disaster prediction
- Financial market analysis
- Software engineering
- Image interpretations
- E-commerce and Web services
- Remote monitoring
- Online filtering

Important Dates

Full paper submission due: 25 February, 2005
Acceptance notification: April 15, 2005
Final Camera-ready: 13 May 2005
Conference: July 22-24, 2005

Publication



Lecture Notes in
Computer Science

LNCS

LNAI

LNBI

Selected papers on a **Special Issue:**
International Journal of Data Warehousing and Mining