

# **Data Mining: Models, Techniques and Applications**

Session Organizer

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**This session is organized as a part of**

***The 8th International FLINS Conference***

***on Computational Intelligence in Decision and Control***

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Nowadays we are witnessing an explosive growth in the amount of data that is being generated from commercial enterprises and a wide variety of scientific and engineering disciplines. Moreover, advances in information technology and data collection methods have led to the availability of the large data sets. We have an unprecedented opportunity to analyze this data and extract its useful information. Data mining (or Knowledge Discovery in Databases) is the process of discovering previously unknown and potentially interesting patterns in large databases. It is currently a fast growing field both from an application and a research point of view as well.

This special session aims at providing an opportunity for researchers and practitioners interested in the advances and applications related to data mining, to share their new ideas, original research results and practical development experiences in this exciting area. Authors are invited to submit original unpublished manuscripts for the special session on Data Mining.

Recommended topics include but are not limited to the following:

- Theoretic foundations of data mining
- Models of Data mining
- Scalable mining algorithms
- Distributed data mining
- Query/constraint-based data mining
- Privacy sensitive data mining
- Text mining
- Web/Multimedia mining
- Data stream analysis
- Bio-data analysis
- Financial data analysis
- Risk analysis
- E-commerce
- Trend and periodicity analysis
- Medical and health industry
- Intrusion detection
- Case studies / benchmarks
- Data reduction/pre-processing
- Post-processing
- Novel applications

### **Submission of papers**

Authors are invited to submit a paper up to 6 pages by **January 15, 2008**. You can submit your paper to the session organizer by email to: **trli@swjtu.edu.cn**, **trli30@gmail.com** or **Geert.Wets@uhasselt.be**

All papers submitted in this session will be peer-reviewed. Accepted papers will be published in the conference proceedings as a book by **World Scientific** (included in ISI proceedings). Final papers should be prepared according to the **publisher's instructions**:

[http://www.worldscientific.com/style/proceedings\\_style.shtml](http://www.worldscientific.com/style/proceedings_style.shtml)

Please select the trim size: 9" x 6". Papers that are not prepared according to these guidelines will not be published.

### **Important dates**

- Paper submissions: January 15, 2008
- Acceptance letter: March 15, 2008
- Final papers submissions: April 15, 2008