

CALL FOR PAPERS

Communications in Information and Systems – A Special Issue

Computational Informatics in Data Mining and Information Retrieval

A special issue for the journal Communications in Information and Systems is scheduled on the topic on Computational Informatics in Data Mining and Information Retrieval. The research in data mining and information retrieval on structured and unstructured data has been growing tremendously. Unlike structured data commonly found in database or data warehouse, unstructured data does not have a rigid schema. Various kinds of text data such as online news, emails, memos, and equipment maintenance logs are examples of unstructured data. Other examples are data composed of a combination of structured database records and free texts such as data found in biomedical domain, automated diagnosis, and customer relationship management applications. Mining useful information or extracting knowledge from structured and unstructured data has received much attention recently. Information retrieval for unstructured data especially text data has also drawn much interests. A variety of models and techniques have been developed. Computational technique plays an important role in developing intelligent mining and information retrieval methods for handling and processing the information content found in the data.

This special issue solicits high-quality innovative papers addressing significant research related to the broad area of computational informatics in data mining and information retrieval. Special topics of interest include, but are not limited to, the following:

- Intelligent information retrieval
- Intelligent data fusion
- Computational intelligence algorithms
- Text mining
- Semi-structured data mining
- Computational learning from unstructured data
- Intelligent data preprocessing

- Image mining
- Computational medical informatics
- Mining or learning sequences from data

Correspondence by e-mail is requested for convenience and speed. Authors may submit unpublished manuscripts in English to any guest editors via email. A cover letter must be sent to the corresponding editor by e-mail. The cover letter should give the author's preferred address, e-mail address, phone number, and fax number. All manuscripts will be reviewed by a panel of referees. Authors of all accepted papers must send the electronic version of the final manuscript (preferably in LATEX2e) to the corresponding editor.

Important Dates

Submission Deadline: March 15, 2005

Author Notification: May 30, 2005

Camera-ready Submission: June 20, 2005

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