



Call for Papers for ICCMIT 2018:

Special Session on:

Making correct economic and business decisions based on knowledge extraction from unstructured texts and documents

Organized by:

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Objectives and Motivation

Nowadays in order to make correct financially significant economic decisions large amount of information and knowledge should be analyzed. Useful information can be found both in specialized economic sources and in Web-resources of general nature.

Traditionally, in order to make decisions on the stock market investors use technical analysis based on the time series analysis of share prices and on corresponding indicators. The indicators may give different signals concerning the expected trend changes of shares prices. Additionally current financial status of stock issuing companies can be studied by the methods of fundamental analysis.

However, more than 80% of information within corporate networks and Internet resources (blogs, forums, mass media etc.) is text information of non-structured and semi-structured nature. Consequently, such information can become additional powerful source for predicting the expected stock market changes. Different Text Mining systems can give a business analyst an opportunity to work with large quantity of semi-structuralized text information. But unfortunately nowadays there are no systems performing full automatic processing of natural language in corporate and global information systems.

The promising research directions of Text Mining are clustering, text classification, information retrieval, data warehouses and the like. We should focus our attention on one of the most important issues. This is automatic extraction of the correct information to from semi-structured and unstructured textual information to make correct economic and business decisions. The

issue includes the tasks of knowledge discovery, web mining, facts extraction, opinion mining, etc.

Scope and Interests

The scope of this conference session includes modern achievements in the fields of NLP applications; multilingual processing and applications; information extraction; cognitive, mathematical and computational models of language processing. Topics covered include semantic web, sentiment analysis, opinion mining, web mining, content analysis, artificial intelligence and some others.

The following are suggested but not limited topics within this concept:

- Information extraction (IE) & Sentiment analysis;
- Opinion Mining;
- Intelligent Decision-making Support Systems;
- Content analysis;
- Ontology generation or ontology acquisition;
- Web mining;
- NLP methods and applications;
- Artificial intelligence.

Paper Submission Important Dates

All instructions and templates for submission can be found in the ICCMIT 2018 web site: <http://www.iccmit.net/>. Please, contact the special session organizer if you are planning to submit any paper.

Important Dates

Paper abstract submission:	December 31, 2017
Notification of acceptance:	January 15, 2018
Final paper submission and authors camera ready:	February 28, 2018
Conference Dates:	April 2-4, 2018