

## CALL FOR PAPERS

Special Issue of  
Journal of Universal Computer Science (J.UCS) on

"Advances on Social Network Applications"

Guest Editors:

+ Jason J. Jung, Yeungnam University, Republic of Korea

+ Przemyslaw Kazienko, Wroclaw University of Technology, Poland

Motivation and backgrounds

=====

We have possibility to process data (gathered in our computer systems) about interactions and activities of millions of individuals. Communication and multiple user technologies allow us to form large networks which in turn shape and catalyse our activities. Due to scale, complexity and dynamics, these networks are extremely difficult to analyse in terms of traditional social network analysis methods being at our disposal. On the other hand, the data about human communication, common activities and collaboration simultaneously provide new opportunities for new applications. This special issue is devoted to analysis of these large-scale social structures and what is more important to identify the areas where social network analysis can be applied and provide the knowledge that is not accessible for other types of analysis. Additionally, applications of social networks analysis can be investigated either from static or dynamic perspective. We seek for business and industrial applications of social network analysis that help to solve real-world problems. The area of social networks analysis and its applications bring together researchers and practitioners from different fields and the main goal of this special issue is to provide for these people the opportunity to share their visions, research achievements and solutions as well as to establish worldwide cooperative research and development. At the same time, we want to provide a platform for discussing research topics underlying the concepts of social network analysis and its applications by inviting members of different communities that share this common interest of investigating social networks. As the area of social networks is a highly cross-disciplinary one, we aim to foster and develop sustainable collaborations between Computer Science and Informatics, Sociology, Cognitive Science and Psychology, Geographic and Environmental Science, Biology, and Health and Social Sciences. This will give the opportunity to push further the discussion upon the potential of social networks and their applications across these communities. TOPICS OF INTEREST

List of Topics

=====

The scope of special issue includes, but is not limited to the following application areas of social network analysis:

- Business / e-business / e-commerce
- Customer relationship management
- Customer behavioural analysis
- Recommender systems – Collaborative filtering and personalization

- Information / opinion / knowledge spread and modelling
- Medical applications, e.g. diseases spread
- Social networks in health and social care
- Educational applications / e-learning
- Collaborative Information Retrieval
- Social networking sites, incl. dating applications
- Crime detection and investigation
- Organisational structure evaluation
- Collaborative environments, incl. wikis
- Sharing systems
- Virtual worlds and online multiplayer games
- Systems for e-society, incl. e-government
- User analysis in web-based systems
- Real – world case studies from the area of social network analysis
- etc.

Submission Guidelines:

=====

Submissions must be in English and formatted in J.UCS style. Detailed formatting instructions for authors and LaTeX style files can be accessed via the journal homepage ([http://www.jucs.org/ujs/jucs/info/submissions/style\\_guide.html](http://www.jucs.org/ujs/jucs/info/submissions/style_guide.html)). The total length should not exceed 20 pages. In case authors need more space, the editors of the special issue should be contacted in advance at <j3jung@gmail.com>.

Papers must be sent as pdf-files to <j3jung@gmail.com> by the due date. All submissions will undergo the usual reviewing process for journal papers. We anticipate to notify authors by the end of October 2011, whether their submission is accepted with or without minor amendments, a major revision is requested, or the submission is rejected.

Timeline and Planning:

=====

- + Paper submission: September 31, 2011
- + Feedback from reviewers and acceptance notification: October 30, 2011
- + Revised manuscripts (in case of major revisions): November 30, 2011
- + Feedback from reviewers on revisions and acceptance notification: December 15, 2011
- + Camera-ready versions: January 20, 2012