



Call for Papers

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

Recent Advances in Social Networks Analysis, Management and Security

Abstract

Social network analysis is concerned with the study of relationships between social entities. The recent advances in internet technologies and social media sites, such as Facebook, Twitter and LinkedIn, have created outstanding opportunities for individuals to connect, communicate or comment on issues or events of their interests. Social networks are dynamic and evolving in nature; they also involve a huge number of users. Frequently, the information related to a certain concept is distributed among several servers. This brings numerous challenges to researchers, particularly in the data mining and machine learning fields. The purpose of this special issue is to provide a forum for researchers to present and discuss their work which is related to social network analysis, mining, management and security. It aims to investigate the opportunities in all aspects of Social Networks. In addition, it seeks for novel contributions that help mitigating possible challenges. Researchers are encouraged to submit original research contributions in all major areas, which include, but not limited to:

SYSTEMS & INFRASTRUCTURE

- Systems and algorithms for social search
- Infrastructure support for social networks and systems
- Dynamics and evolution patterns of large and complex networks
- Social properties in systems design
- Learnings from operational social networks
- Data Collection
- Big Data and Social Paradigms

ALGORITHMS AND MODELS

- Deep Learning and Knowledge Discovery.
- Measurement and analysis of social and crowdsourcing systems
- Benchmarking, modeling, performance and workload characterization
- Modeling Social Networks and behavior
- Management of social network data
- Streaming algorithms for social data
- Knowledge and innovation networks
- Methods for social and media analysis
- Models for network data

Network analysis in human and social sciences
Information propagation and assimilation in social networks
Data mining and machine learning in social systems

APPLICATIONS

Novel social applications and systems
Transient OSNs (e.g. Snapchat)
Special purpose OSNs (e.g., Instagram, Vine)
Communities in social networks
Collaboration networks
New models of advertising and monetization in social networks
Mobile advertising on OSNs
Network visualization
Social networks and online education
Sentiment analysis on OSNs
Multilingual social networks
Social networks as agents of societal change

PRIVACY & SECURITY

Privacy and security in social systems
Trust and reputations in social systems
Detection, analysis, prevention of spam, phishing, and misbehavior in social systems

Deadlines

- First submission date: **December 30, 2018**
- First Notification date **March 15, 2019**
- Revision submission date **April 30, 2019**
- Final paper acceptance date: **June 1st, 2019**
- Special Issue publication date: **J.UCS publication schedule**

Submission and Evaluation Procedure

The Journal of Universal Computer Science is a high-quality electronic publication that deals with all aspects of computer science. J.UCS has been appearing monthly since 1995 and is thus one of the oldest electronic journals with uninterrupted publication since its foundation. A number of special issues as well as the printed archive editions of the volumes are also available in print and can be ordered directly from J.UCS office. The impact factor of J.UCS is 0.696, the 5-year impact factor 0.770 (2016). For further information, please refer to:

http://www.jucs.org/jucs_info/aims/unique_features.html

Manuscripts must be submitted in PDF format, written in English and should not exceed 20 pages. Papers only prepared according to the JUCS's guidelines for authors and submitted online

(see procedure described below) will be included in the review process. Illustrations and tables must be provided as integrated parts of the manuscript. The guidelines for authors are available at:

http://www.jucs.org/ujs/jucs/info/submissions/style_guide.html

For all potential authors who have received an invitation for an extended version of their Social Networks Analysis, Management and Security conference (SNAMS 2018) paper, please bear in mind that we can only consider submissions which are significantly extended (at least 50 percent new material and the title of the extended version must clearly and unmistakably differ from the title of the article presented at the conference). Only novel research papers which are currently not under review at another event or a journal are accepted for the review process. For more details, please also refer to:

http://www.jucs.org/ujs/jucs/info/special_issues/special_guidelines.html

Please submit your original and proof-read papers not later than xxx 2019 using the submission system at: <https://easychair.org/conferences/?conf=snams2018si>

Each paper will be blind reviewed by at least 3 reviewers. According to the covered main subjects in the content, a selected set of reviewers with the appropriate expertise will be assigned.

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