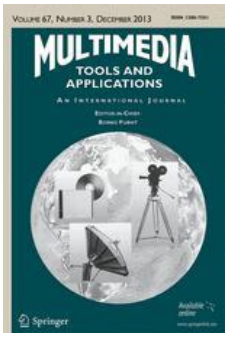

CALL-FOR-PAPERS

Multimedia Tools and Applications (MTAP)

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SPECIAL ISSUE ON

Hybrid Recommender Systems

Overview:

Driven by the rapid development of online information application and fast information dissemination, recommender systems are increasing in an exponential manner. The research of recommendation system has been going on for decades. However, there are still some problems exist in current recommender systems such as cold-start problem and data sparse problem. Fortunately, some emerging technologies in other field such as social networks and deep learning theories can help to solve these problems.

Most current recommender systems also provide online social networks to users. In other words, users are able to follow users that they trust or believe. Through these social networks, recommender systems can recommend products to new users according to the users trusted by the new user. Besides, information of online social networks such as communities and evolutions is also very useful for recommender systems.

Reviews of users are significant for modern recommender systems. The rating of users is also a kind of review. The natural language review is a very efficient way to elaborate users' profile. However, most natural language approaches suffer from low accuracy and efficiency. In the past few years, deep learning methods have achieved great successes in natural language process tasks. Through deep learning process methods, recommender systems can elaborate users' profile more efficiently and thus to improve the recommend efficiency.

There are also other emerging methods which can improve the efficiency of recommender systems such as cloud computing and compressed sensing, which are also encouraged in this special issue.

The special issue aims at present a collection of high quality research papers on the state-of-the-art in the emerging technologies for the applications of hybrid recommender system applications. We are soliciting original contributions that have not been published and are not currently under consideration by any other journals. Both theoretical studies and state-of-the-art practical applications are welcome for submission. All submitted papers will be peer-reviewed and selected on the basis of both their quality and their relevance to the theme of this special issue.

Topics

Topics of interest include, but are not limited to, the following scope:

– Social networks in rating prediction; – Social networks in items ranking – Social networks in shilling attack detection – Deep learning theories in shilling attack	– Emerging technology based recommender systems – Emerging technology in recommender system security

detection – Deep learning theories in rating prediction – Cloud computing in recommender systems – Privacy, Security, Trust and Reputation in recommender systems – Trust and Reputation in recommender systems – Hybrid recommender systems – Social networks in mobile recommender systems – Complex networks techniques applied to the investigation of recommender systems	– Hybrid recommender systems – Hybrid security schemes in recommender systems – Networking, computation and data infrastructure support for hybrid recommender systems – Novel distributed solutions for designing, supporting and operating hybrid recommender systems – Modelling of hybrid recommender systems' characteristics and mechanisms

Important Dates

- **Manuscript submission deadline: October 31, 2016**
- Notification of acceptance: January 15, 2017
- Submission of final revised paper: March 31, 2017
- Publication of special issue (tentative): May 31, 2017

Submission Procedure

Authors should follow the MTAP Journal manuscript format described at the journal site. Manuscripts should be submitted on-line through http://www.editorialmanager.com/mtap/.

A copy of the manuscript should also be emailed to the Corresponding Guest Editor at the following email address(es) pkuwalter@gmail.com

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http://www.springer.com/journal/11042

Multimedia Tools and Applications
An International Journal
Editor-in-Chief: Furht, B.
ISSN: 1380-7501 (print version)
ISSN: 1573-7721 (electronic version)
Journal no. 11042