

Call for Papers

Elsevier Journal of Computational Science (SCI IF=1.078)

Special Issue on The Convergence of New Computing Paradigms and Big Data Analytics Methodologies for Online Social Networks



<http://www.journals.elsevier.com/journal-of-computational-science/call-for-papers/special-issue-on-the-convergence-of-new-computing-paradigms>

Aims and Scopes

Over past decade, the developments of Web 2.0 and Science 2.0 have become critical network infrastructure and knowledge platform for all socially organized participating entities (man, machine, group, and even brain-like computer) for exchanging, sharing, contributing a great amount of data, information, knowledge. The emerging in-depth convergence of advanced computing paradigms, social media big data and analytics methodologies, such as social computing, aware computing and situational analytics, seems inherently capable for gaining edge over comprehensiveness, diversity and wisdom. In the big data-enabling social media networks era, the advanced computing paradigms and analytics become essential for processing data, mining rules and establishing knowledge. How to employ those the state-of-the-art of computing paradigms, methodologies and techniques for big data analytics is clearly highlighted and focused today.

The special issue attempts to collect high-quality survey paper and original research articles closely related to the recommended topics, and bring together computational science, social media networks and big data-oriented academic researchers, engineers and administrators resorting to the state-of-the-art technologies and ideas to adopt both advanced computing paradigms and big data analytics for OSN, with a result of an in-depth user behavior analytics as well as an resolution of security and trust issues, etc. The special issue encourages more practical, validated computational theories and big data analytics techniques in a real-world social media networks, not focused on pure and simple conceptual model, framework and building blocks descriptions.

Recommended Topics

- ✧ Advanced computing paradigms and computational theories outreach applicable for social media big data analytics
- ✧ Aware computing methodologies for social media and recommendation system
- ✧ Situational analytics for social media big data mining and applications
- ✧ User behavior analytics for social-sensed multimedia computing
- ✧ New computing paradigms performance metrics and benchmarks in the process of big data
- ✧ Computational technologies-employed security, trust management and assessment, as well as social-factor considerations in social media ecosystem

- ✧ Social media prototypes and empirical studies together with new computing paradigms

Instructions for submission

All submitted papers must be clearly written in excellent English and contain only original work and cutting-edges survey, which has not been published by or is currently under review for any other journal or conference. All papers submitted to this Special Issue will undergo the standard review procedures of Journal of Computational Science. All manuscripts should be submitted through the Elsevier Editorial System: <http://ees.elsevier.com/jocs> Authors should select "SI: NCP&BD" when reaching step of selecting an article type name in the submission process. For further information, please contact the leading guest editor at xidianzzy@126.com.

Tentative Important dates

- Full paper submission deadline: April 1, 2017
- First author notification: June 1, 2017
- Revised paper due: August 1, 2017
- Final author notification: October 1, 2017
- Expected publication: the final quarter of 2017

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