

CALL FOR PAPERS

Elsevier - Computer Communications Journal
Special Issue on
Online Social Networks

Submission Deadline: 19 October 2014



Online Social Networks are a massively successful phenomenon, used by billions of users to interact. Nowadays they are key platforms for, among others, content dissemination, social and professional networking, recommendation, scouting, alerting, and political campaigns. The research interest in OSNs is multi-faceted, and exploits an unmatched source of large-scale data about the human behavior. It spans a number of disciplines, across numerous fields in and beyond computer science, all the way up to the analysis of human social relationships and how they evolve and mature over time. Moreover, the pervasive presence of users' mobile devices (e.g., smartphones) has opened new avenues in the design of mobile social networking services, and in the study of the interplay between mobility and social interactions. Research in OSN is a fertile ground also for industry, to develop innovative ideas fostering the design of the new generation of communication platforms and their services.

This special issue seeks contributions pushing the state of the art in all facets of Online Social Networks highlighted above. We also encourage original work based on an interdisciplinary research (at the boundary between computer science and humanistic disciplines such as sociology and anthropology) where *quantitative* evidence is available demonstrating the mutual advantage of such an approach. Therefore, purely methodological papers or papers that do not present quantitative results with real Online or Mobile Social Networking technologies are considered out of scope. Moreover, special attention is expected in interpreting the proposed research results in order to shed light towards what users may need and wish in terms of novel, practical services and application. Topics of interest include (but are not limited to) the following:

- Design of OSN platforms based on human behavioural models
- Analysis of OSN users' behaviour and its evolution over time
- Comparison of human social behaviour in Online and "offline" Social Networks, and across OSNs
- Impact of Online Social Networks on human social behaviour
- Analysis of the use of social-networking sites in the urban context
- OSNs for supporting novel, social-oriented applications and services
- Mobile and Location-aware Online Social Networks
- OSN services enabled by the analysis of mobility and social behaviour
- Crowdsourcing for Online and Mobile Social Networks
- Dynamics of trends, information and opinion diffusion in OSN
- Smart recommendations and advertising in Online Social Networks
- Information extraction and search in Online Social Networks
- Privacy in management and analysis of Online and Mobile Social Networks data
- Privacy, Security, Trust and Reputation in Online Social Networks
- Prevention of misbehaviours (spamming, phishing, ...) in Online Social Networks
- Modelling of Online Social Networks characteristics and mechanisms
- Graph analysis applied to Online Social Networks
- Complex networks techniques applied to the investigation of OSN
- Data Mining and Machine Learning to gain novel insights on Online Social Networks
- Novel distributed solutions for designing, supporting and operating Online Social Networks
- Networking, computation and data infrastructure support for Online Social Network systems

Tentative Schedule

Submission deadline: 19 October 2014

Author notification: 31 January 2015

Revised paper due: 15 March 2015

Final author notification: 15 April 2015

Publication: 3rd Quarter 2015

Guest Editors

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Instructions for submission

Manuscripts must not have been previously published nor currently under review by other journals or conferences. If prior work was published in a conference, the submitted manuscript should include a substantial extension of at least 35% novel contributions. In this case, authors are also required to submit their published conference articles and a summary document explaining the enhancements made in the journal version.

Papers must be submitted through the Computer Communications website at <http://ees.elsevier.com/comcom>, where guidelines for manuscript preparation can also be found (<http://www.elsevier.com/journals/computer-communications/0140-3664/guide-for-authors>). To ensure that all manuscripts are correctly identified for consideration by the Special Issue, the authors should select "Special Issue: OSN" when they reach the "Article Type" step in the submission process.

For further information, please contact the guest editors at comcomsi_osn@iit.cnr.it