



## Call for Papers for *Selected Areas in Communication Symposium* *- Social Networks Track -*

### **Scope and Motivation:**

Social networks, which target the development of social relations among people with common interest through web-based services, have contributed a good portion of Internet traffic nowadays and become dominant forms of social interaction on the Internet. This recent development brings significant research interests on the interplay between physical communications networks and social networks. Due to its increasing prevalence and interdisciplinary nature, social networks have also attracted research attentions to a number of related technical areas, including cloud computing, big data analytics, data mining, information security and privacy protection. In light of this trend, the social networks track will solicit papers on the following subjects of interests (but not limited to):

### **Main Topics of Interest:**

- Knowledge discovery with big mobile data analytics and information dissemination and propagation in social networks
- Social network modeling, analysis, measurements, and experiments using big data and data mining for better understanding of social network influence, reputation, recommendation, community structure, and advertisement etc.
- Convergence and interplay between social networks and the underlying communications platforms, including characterization of social interactions in mobile communication networks and analysis of social network from communication theory perspective
- Influence of social networks on communications networks design and operation as well as subsequent development of new paradigms of future communications networks
- Numerical and analytical techniques as a foundation to enable social networks of massive networked (big) data (e.g., belief and message propagation, computational intelligence and machine learning, game and economical analysis, graph theoretical analysis etc.)
- Trusted networking, privacy and security, user behaviors and dynamics, and digital right management for big data from social networks
- System architecture, protocols, middleware and software engineering, terminal technology, user experience and interface technology, deployment and operations, and standards for social networks
- Social networks applications and services to mobile Internet, multimedia networks, mobile-commerce, cyber-physical systems, and their potential social, economic, and cultural impacts

- New applications of large social network analysis and relational structure of social networks to design advanced wireless communication networks, and interplay with network science areas such as physics and biology

## Sponsoring Technical Committees:

- Emerging Technical Subcommittee on Social Networks

## How to Submit a Paper:

The IEEE Globecom 2014 website provides full instructions on how to submit papers. You will select the desired symposium when submitting. **The paper submission deadline is April 1, 2014. Unlike recent ICC's and Globecom's, this is a hard deadline that will not be extended.**

## Symposium Track-Chair:

Xianbin Wang, Western University, Canada, [xianbin.wang@uwo.ca](mailto:xianbin.wang@uwo.ca)



Xianbin Wang (S'98-M'99-SM'06) is an Associate Professor at Western University and Canada Research Chair in Wireless Communications. He received his Ph.D. degree in electrical and computer engineering from National University of Singapore in 2001.

Prior to joining Western, he was with Communications Research Centre Canada as Research Scientist/Senior Research Scientist between July 2002 and Dec. 2007. From Jan. 2001 to July 2002, he was a system designer at STMicroelectronics, where he was responsible for system design for DSL and Gigabit Ethernet chipsets. He was with Institute for Infocomm Research, Singapore (formerly known as Centre for Wireless Communications), as a Senior R & D engineer in 2000. His primary research area is wireless communications and related applications, including adaptive communications, wireless security, and wireless infrastructure based emerging applications. Dr. Wang has over 150 peer-reviewed journal and conference papers on various communication system design issues, in addition to 23 granted and pending patents and several standard contributions.

Dr. Wang is an IEEE Distinguished Lecturer and a Senior Member of IEEE. He was the recipient of three IEEE Best Paper Awards. He currently serves as an Associate Editor for IEEE Wireless Communications Letters, IEEE Transactions on Vehicular Technology and IEEE Transactions on Broadcasting. He was also an editor for IEEE Transactions on Wireless Communications between 2007 and 2011. Dr. Wang was involved in a number of IEEE conferences including GLOBECOM, ICC, WCNC, VTC, and ICME, in different roles such as symposium chair, track chair, TPC and session chair.