



Call for Papers

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):

- 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 2015 website provides full instructions on how to submit papers. Please select the desired symposium when submitting. **The paper submission deadline is April 1, 2015.**

Track Chair

Jelena Mišić (email jmistic@scs.ryerson.ca) is a Professor of Computer Science at Ryerson University in Toronto, ON, Canada. She has published over 100 papers in archival journals and more than 140 papers at international conferences in the areas of wireless networks, in particular wireless personal area network and wireless sensor network protocols, performance evaluation, and security. She serves on editorial boards of *IEEE Transactions on Vehicular Technology*, *IEEE Network*, *Computer Networks*, *Ad hoc Networks*, *Security and Communication Networks*. She is a Senior Member of the IEEE and Member of the ACM

