



Selected Areas in Communication Symposium Track on Social Networks

TRACK CHAIR:

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SCOPE AND MOTIVATION

Social networks, which target the development of social relations among people with common interest through web-based services, have contributed a large 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 mobile communications networks, mobile computing 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 blockchain, artificial intelligence, cloud computing, big data analytics, data mining, information security and privacy protection. This track aims to provide a forum that brings together scientists and researchers from academia, industry, and government to present their cutting-edge innovations in all aspects of the field. Papers on practical applications and R&D results from industry and academic/industrial collaborations are encouraged.

TOPICS OF INTEREST

- Artificial Intelligence for social networks and applications
- Blockchain-based social networks, decentralized social content, and cryptocurrency through social networks
- Knowledge discovery with big mobile data analytics and information dissemination and propagation in social networks
- 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
- 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

IMPORTANT DATES

Paper Submission: 15 April 2020

Notification: 25 July 2020

Camera Ready and Registration: 1 September 2020

SUBMISSION INSTRUCTION

All papers for technical symposia should be submitted via EDAS through the following link: <https://edas.info/N27054>