



Call for Papers

Symposium on Selected Areas in Communications: Social Networks Track

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. In light of the above crucial needs, Selected Areas in Communication Symposium in Social Networks will serve as a forum for researchers and technologists from academia, industry, and government to discuss the state-of-the-art, present their cutting-edge innovations and contributions, and set future directions in all aspects of social networks. Papers on practical applications and R&D results from industry and academic/industrial collaborations are also encouraged.

Topics of Interest

The symposium seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related.

- 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
- Convergence and interplay between Metaverse and the underlying communication networks
- Infrastructure, platform, protocol design, and optimization for mobile social networks, social vehicular networks, mobile social clouds, social Internet-of-Things, and new paradigm of future social-aware communication 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
- Data mining, machine learning, information retrieval, signal processing, and artificial intelligence in social media and social contexts
- 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
- Multidisciplinary and interdisciplinary research on social networks

Important Dates

Paper Submission: 11 October 2023

Notification: 18 January 2024

Camera Ready and Registration: 15 February 2024

How to Submit a Paper

All papers for technical symposium should be submitted via EDAS. Full instructions on how to submit papers are provided on the IEEE ICC 2024 website: <https://icc2024.ieee-icc.org/>

Journal Publication Opportunity

The authors of selected papers from this symposium will be invited to submit an extended version of their work for fast-track review and possible publication in the IEEE Open Journal of the Communications Society.