



# IEEE Global Communications Conference

7-11 December 2021 • Madrid, Spain

*Connecting Cultures around the Globe*

## Selected Areas in Communication Symposium

### Social Networks Track

#### **SYMPOSIUM CHAIRS AND CO-CHAIRS**

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#### **SCOPE AND MOTIVATION**

Recently, social network research has advanced rapidly with the prevalence of online social applications and mobile social communications systems. Moreover, the ongoing pandemic via contact social networks has caused tremendous human life and economic loss around the world, and infodemic is one of the major social impacts that make people difficult to discriminate trustworthy sources, from false and manipulative information sources. Therefore, researchers are increasingly interested in addressing a wide spectrum of challenges in social networks, such as developing social-aware algorithms for communications systems, identifying the topological common structures and information/influence flows, analyzing the social media and evolutions of social graphs, and exploiting location-based and contextual information embedded in mobile social networks to create innovative applications. Due to the interdisciplinary nature, social networks have also attracted intensive research interests across multiple disciplines, including artificial intelligence, blockchain, big data analytics, information security and privacy protection, psychology, and marketing. In light of the above crucial needs, Selected Areas in Communication Symposium in Social Networks will serve as a forum for researchers and technologists to discuss the state-of-the-art, present their contributions, and set future directions in social networks.

#### **TOPICS OF INTEREST**

- Infrastructure, platform, protocol design, and optimization for mobile social networks, mobile social clouds, and social Internet-of-Things with Artificial Intelligence
- Social-aware network solutions and social network influence on (wireless) communications systems
- Cross-layer design for social networks and the underlying communications and network platforms, and subsequent new design paradigm for future (wireless) communications
- Network graph modeling, measurements, simulations, and experiments
- Analysis of dynamics and control of belief, influence, and rumor propagations in the evolutions of social networks
- 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 in social networks
- Innovative social network 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**

Deadline for paper submission: 15 April 2021

Date for notification: 25 July 2021

Deadline for final paper submission: 1 September 2021

### **SUBMISSION INSTRUCTIONS**

All papers for technical symposia should be submitted via EDAS through the following link

<https://edas.info/newPaper.php?c=27498&track=102700>