

# IEEE GLOBECOM 2023

4-8 December 2023 // Kuala Lumpur, Malaysia

## CALL FOR PAPERS

*Intelligent Communications for Shared Prosperity*

# SAC Symposium: Social Networks

## Co-Chair

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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

Original research articles are solicited in, but not limited to, the following topics:

- 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

## Biography of the Co-Chair

**Burak Kantarci** is an Associate Professor in the School of Electrical Engineering and Computer Science at the University of Ottawa. Prior to joining the uOttawa, he was an assistant professor at Clarkson University in Potsdam, New York. Dr. Kantarci is the founding director of the Smart Connected Vehicles Innovation Centre (SCVIC) and Next Generation Communications and Computing Networks Lab (NEXTCON). In 2009-2014, he had also worked as a research fellow at the School of Electrical Engineering and Computer Science of the University of Ottawa.

Dr. Kantarci is a Distinguished Lecturer of IEEE Systems Council (2022-2024), Distinguished Speaker of the ACM (2019-2021), Senior Member of the ACM and a Senior Member of the IEEE, a member of the Sigma Xi, The Scientific Research Honor Society, an editor for IEEE Communications Surveys and Tutorials, associate editor for IEEE Networking Letters, associate editor for IEEE Internet of Things Journal, associate editor for Vehicular Communications, associate editor for IEEE Access, area editor for IEEE Transactions on Green Communications and Networking. In 2019-2020, Dr. Kantarci served as the Chair of IEEE Communication Systems Integration and Modeling Technical Committee of IEEE Communications Society. He has been serving as a TPC member of GLOBECOM (since 2011) and ICC (since 13) in various tracks. He is also co-chairing the Workshop on Management of Cloud and Smart City Systems (MoCS) since 2012, and is a Symposium co-chair in IEEE GLOBECOM'18-Symp on Communication Systems QoS and Reliability Modeling, and a symposium chair in ICC'22 Communication Systems QoS and Reliability Modeling Symposium. He served as the chair of two different tracks of IEEE Vehicular Technology Conference (VTC) in 2016 and 2019. He has also served as a symposium co-chair of IEEE International Conference on Communications and Networking in multiple symposia, most recently in 2021 as Cybersecurity track chair of IEEE Canadian Conference on Electrical and Computer Engineering, Security and Privacy Track Chair of IEEE International Smart Cities Conference (ISC2), and the general co-chair of IEEE BlackSeaCom 2021, and IEEE CAMAD 2021 conferences. In 2020, he served as the symposium chair for Machine Learning for Communications and Networking symposium. Previously, he had served as a TPC co-chair and a general co-chair of the IEEE International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD) in 2014 and 2016, respectively. Since December 2012, Dr. Kantarci is an area editor of the IEEE ComSoc Ad Hoc Sensor Networks Technical Committee (AHSN-TC) Newsletter.

## How to Submit a Paper

All papers for technical symposia should be submitted via EDAS. Full instructions on how to submit papers and important deadlines are posted at <https://globecom2023.ieee-globecom.org/>