

Call for Papers for *Selected Areas in Communications Symposium* *P2P Networking Track*

Symposium Co-Chair

Hongwei Li, University of Electronic Science and Technology of China, China,
hongwei.uestc@gmail.com

Scope and Topics of Interest

A peer-to-peer (P2P) network is a type of decentralized and distributed network architecture in which individual nodes in the network (called "peers") act as both suppliers and consumers of resources. The P2P network continues to attract substantial investment in terms of both technical projects and marketing activities. The goal of this Track is to bring together and disseminate the state of the art research contributions that address the various aspects of analysis, design, optimization, implementation, standardization, and application of P2P Networking.

The selected areas in Communications Symposium - P2P Networking Track solicits original contributions in, but not limited to, the following topical areas:

- Cooperation, incentives, and fairness
- Deployed (commercial) applications and systems
- Experience with deployed (commercial) applications and systems
- Information retrieval and query support
- Large-scale infrastructure technology and protocols
- Measurements and modeling of P2P and cloud systems
- New applications of P2P technologies
- Overlay architectures and topologies
- Overlay interaction with underlying infrastructure
- Overlay monitoring and management
- Performance, availability, robustness, and scalability

- Policy enforcement, participation incentives, trust, and reputation
- P2P applications and systems over mobile networks
- P2P technologies for grids, clouds and data centers
- P2P economics
- Security, privacy, anonymity, and anti-censorship
- Self-organization and self-management
- Semantic overlay networks and semantic query routing
- Social networks and socially-informed infrastructures
- Volunteer computing



Hongwei Li is an Associate Professor at the School of Computer Science and Engineering, University of Electronic Science and Technology of China, China. He received his M.Sc. (2004) degree in computer application technology from Southwest Jiao Tong University, China, and his Ph.D. (2008) in computer software and theory from University of Electronic

Science and Technology of China, China. He has worked as a Post-Doctoral Fellow in Dept. of Electrical and Computer Engineering at University of Waterloo for one year until Oct. 2012.

His current research interests include P2P Networking, applied cryptography, and trusted computing. His research is supported by National Science Foundation of China, and Ministry of Science and Technology of China, and Ministry of Industry and Information Technology, and China Unicom. Dr. Li has published more than 50 technical papers. He is the sole author of a book, *Enabling Secure and Privacy Preserving Communications in Smart Grids* (Springer, 2014). Dr. Li currently serves as the Associate Editor of Peer-to-Peer Networking and Applications, Guest Editor for Peer-to-Peer Networking and Applications Special Issue on Security and Privacy of P2P Networks in Emerging Smart City. He also serves on the technical program committees for many international conferences such as IEEE INFOCOM, IEEE ICC, IEEE GLOBECOM, IEEE WCNC, IEEE SmartGridComm, IEEE ICNC, IEEE BODYNETS, IEEE ICCAS, IEEE WCSP and IEEE DASC.