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Call for Papers for
Communication and Information Systems Security Symposium

Scope and Motivation:

As communication and information systems are becoming more indispensable to the society today, security has also become more critical and challenging when many contents, devices and users get connected to the Internet in these days, and this trend will inevitably continue in future. This symposium welcomes manuscripts on all aspects of the modeling, design, implementation, deployment, and management of security algorithms, protocols, architectures, and systems. Furthermore, contributions devoted to the evaluation, optimization, or enhancement of security and privacy mechanisms for current technologies, as well as devising efficient security and privacy solutions for emerging areas, from physical-layer technology to the application layer, are solicited.

Main Topics of Interest:

To ensure complete coverage of the security advances in communication and information systems, this Communication and Information Systems Security (CISS) Symposium seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Anonymous communication, metrics and performance
- Autonomous vehicle security
- Attack, detection and prevention
- Authentication protocols and key management
- Availability and survivability of secure services and systems
- Biometric security: technologies, risks, vulnerabilities, bio-cryptography
- Cloud, data center and distributed systems security
- Computer and network forensics
- Cryptography for network security
- Digital rights management
- Firewall technologies
- Fog computing security and privacy
- Formal trust models, security modeling, and design of secure protocols
- Information systems security and security management

- Internet security and privacy
- Inside threat detection
- Malware detection and damage recovery
- Network security metrics and performance
- Operating systems and application security
- Physical layer security
- Physical security and hardware/software security
- Privacy and privacy-enhancing technologies
- Security and privacy for mobile and wireless networks
- Security for cloud computing and networking
- Security for mobile and wireless networks
- Security for next-generation networks
- Security in healthcare systems
- Security in network coding
- Security in smart grid communications
- Security in vehicular communications
- Security in virtual machine environments
- Security tools for communication and information systems
- Trustworthy computing
- Wired systems and optical network security

Sponsoring Technical Committees:

- Communications and Information Security Technical Committee

How to Submit a Paper:

The IEEE Globecom 2017 website provides full instructions on how to submit papers. You will select the desired symposium when submitting. **The paper submission deadline is April 1, 2017. Unlike recent ICC's and Globecom's, this is a hard deadline that will not be extended.**

Symposium Co-Chairs:

- Kui Ren, State University of New York at Buffalo, kuiren@buffalo.edu
- Bin Xiao, The Hong Kong Polytechnic University, China csbxiao@comp.polyu.edu.hk

Biographies:

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Kui Ren (IEEE M'07-SM'11-F'15) is an associate professor of Computer Science and Engineering and the director of UbiSeC Lab at State University of New York at Buffalo. He received his PhD degree from Worcester Polytechnic Institute. Kui's current research interest spans Cloud & Outsourcing Security, Wireless & Wearable Systems Security, and Mobile Sensing & Crowdsourcing. His research has been supported by NSF, DoE, AFRL, MSR, and Amazon. He was a recipient of SEAS Senior Researcher of the Year, UB in 2015, Sigma Xi/IIT Research Excellence Award in 2012, and NSF CAREER Award in 2011. Kui has published 150 peer-review journal and conference papers and received several Best Paper Awards including IEEE ICNP 2011. He currently serves as an associate editor for IEEE Transactions on Dependable and Secure Computing, IEEE Transactions on Mobile Computing, IEEE Transactions on Information Forensics and Security, IEEE Wireless Communications, IEEE Internet of Things Journal, IEEE Transactions on Smart Grid, and Oxford The Computer Journal. Kui is a Fellow of IEEE, a Distinguished Lecturer of IEEE, a member of ACM, and a past board member of Internet Privacy Task Force, State of Illinois.

Bin Xiao (IEEE M'02-SM'11) is an associate professor at Department of Computing, the Hong Kong Polytechnic University, Hong Kong. Dr. Xiao received the B.Sc and M.Sc degrees in Electronics Engineering from Fudan University, China, and Ph.D. degree in computer science from University of Texas at Dallas, USA. After his Ph.D. graduation, he joined the Department of Computing of the Hong Kong Polytechnic University as an Assistant Professor. He has been the director of the Mobile Cloud Computing Lab in the department. His research interests include distributed wireless systems and security, mobile data analytics, software-defined networks (SDN) and network security. Dr. Xiao has published more than 100 technical papers in international top journals and conferences. Currently, he is the associate editor of the Journal of Parallel and Distributed Computing (JPDC) and Security and Communication Networks (SCN). He is the IEEE Senior member, a member of IEEE Communications Society and ACM member.