

Title:

Big Data Security and Applications

Abstract:

With the tide of information revolution rising and the explosion of data and information, "big data" has been derived. Its research has promoted the rapid development of information storage, information mining, network application and computing technology. Big data has become a national basic strategic resource and an innovative production factor, and its strategic value and asset value have risen sharply. At the same time big data is a double-edged sword, and it has brought unprecedented new security problem. Security of sensitive data has become a top priority for big data application security. Big data operating environment involves the network, host, application, computing resources, storage resources and other levels, so it needs to have a multi-area security tools. This workshop aims to exchange the latest research results and progress on the safety and application of big data both at home and abroad, and provide a platform for exchange between researchers in the industry and academia.

Scope and Topics:

This workshop encourages submissions on both theoretical technologies and practical applications. Topics of interests include but are not limited to the following aspects:

- ✧ Innovative techniques for IoT infrastructure security
- ✧ Big data-aware security
- ✧ Big data security storage
- ✧ Big data security search
- ✧ Big data processing
- ✧ Big data intelligence analysis
- ✧ Big data and cloud computing
- ✧ Big data and IOT
- ✧ Big data and data space
- ✧ Big data in education and other industries

Program Committee Chairs:

Xinwen Fu, University of Central Florida, USA
xinwenfu@ucf.edu
cs.uml.edu/~xinwenfu/

Dr. Xinwen Fu is an associate professor in the Department of Computer Science, University of Central Florida. He received B.S. (1995) and M.S. (1998) in Electrical Engineering from Xi'an Jiaotong University, China and University of Science and

Technology of China respectively. He obtained Ph.D. (2005) in Computer Engineering from Texas A&M University. Dr. Fu's current research interests are in network security and privacy, network forensics, computer forensics, information assurance, system reliability and networking QoS.

Kim-Kwang Raymond Choo, The University of Texas at San Antonio, USA

raymond.choo.au@gmail.com

sites.google.com/site/raymondchooau/

Dr. Kim-Kwang Raymond Choo is Cloud Technology Endowed Professor at The University of Texas at San Antonio, USA. He has won the United States "Fulbright Scholar Award". Dr. Xu has been invited many times to give keynote speeches and academic presentations for international professional conferences organized by international organizations such as SERENE-RISC Spring 2016 Workshop, IEEE International Conference on Data Science and Data Intensive Systems. Dr. Xu currently chairs a number of safety-related research projects such as the National Drug Law Enforcement Research Fund of the Australian Government, the Design and Implementation of Safety Fog Computing System at Nanyang Technological University, Singapore, the Ministry of Education's Mobile Cloud Data Security and Privacy Protection Project, etc.

Zhangjie Fu, Nanjing University of Information Science and Technology, China

fzj@nuist.edu.cn

Zhangjie Fu received his PhD in computer science from the College of Computer, Hunan University, China, in 2012. He is currently an Associate Professor at School of Computer and Software, Nanjing University of Information Science and Technology, China. He was a research fellow of Computer Science and Engineering at State University of New York at Buffalo from March, 2015 to March, 2016. His research interests include Cloud Security, Outsourcing Security, Digital Forensics, Network and Information Security. His research has been supported by NSFC, PAPD, and GYHY.

Xiaokang Wang, St. Francis Xavier University, Canada

wangxiaokang1002@163.com

Xiaokang Wang received his PhD in computer science from the College of Computer Science and Technology, Huazhong University of Science and Technology, China. He is currently a research fellow at St. Francis Xavier University of Canada. His research interests include big data processing and Parallel And Distributed Computing.

Program Committee:

Bingsheng Zhang, Lancaster University, UK

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