



## Call For Papers

### The First International Workshop on Security and Privacy in Big Data

(BigSecurity 2013, conjunct with Globecom 2013)

<http://www.nsp.org.au/CFP/BigSecurity/>

### Scope and Topics of Interest

As we are deep into the Information Age, we also witness the explosive growth of data available on the Internet. For example, human beings create about 2.5 quintillion bytes of data every day in 2012, which come from sensors, individual archives, social networks, Internet of Things, enterprise and Internet in all scales and formats. We face one of the most challenging issues, i.e., how to effectively manage such a large amount of data and identify new ways to analyze large amounts of data and unlock information. The issue is also known as Big Data, which has been emerging as a hot topic in Information and Communication Technologies (ICT) research.

Security and privacy issue is critical for Big Data. Many works have been carried out focusing on business, application and information processing level from big data, such as data mining and analysis. However, security and privacy issues in Big Data are seldom mentioned to date. Due to its extraordinary scale, security and privacy in Big Data faces many challenges, such as efficient encryption and decryption algorithms, encrypted information retrieval, attribute based encryption, attacks on availability, reliability and integrity of Big Data.

The purpose of this workshop is to offer a timely venue for researchers and industry partners to present and discuss their latest results in security and privacy related work of Big Data.

The topics of interest include, but are not limited to:

- Threat and Vulnerability Analysis in Big Data
- Architecture for Security and Privacy in Big Data
- Encrypted Information Retrieval in Big Data
- Cryptanalysis and Applications in Big Data
- Lightweight Cryptographic Algorithms in Big Data
- Trust in Big Data
- Network Security, Privacy in Big Data
- Network Forensics in Big Data

- Anonymous Communication in Big Data
- Physical Layer Security in Big Data
- Privacy and Security in Cloud Data
- Privacy and Security in Data Center Networks
- Application Level Security and Privacy in Big Data
- Attacks and Counter Measures in Big Data
- Information Forensics in Big Data
- Secure Cross-layer Design in Big Data
- Identity Management and Key Management in Big Data
- Intrusion Detection and Response in Big Data
- Security and Privacy in Complex Networks
- Malware and Virus Detection in Big Data
- Biometric Security and Forensics in Big Data
- Reliability and Availability in Big Data
- Network Security in Big Data
- Network Privacy in Big Data
- Security and Privacy Theories in Big Data

## **Organizing Committee**

### **General Co-chairs**

Professor Wanlei Zhou, Deakin University, Australia

Professor Peter Muller, IBM Research, Switzerland

### **Technical Program Co-chairs**

Dr Shui Yu, Deakin University, Australia.

Professor Honggang Hu, University of Science and Technology of China, China

Professor Prasant Mohapatra, University of California, Davis, USA

### **Important Dates**

Paper submission: 7 July, 2013 (extended, firm deadline)

Acceptance: 1 September, 2013

Camera-ready 1 October, 2013

### **Submission Guidelines**

Prospective authors are invited to submit original technical papers by the deadline of **10 June 2013** for publication in the IEEE Globecom 2013 Conference Proceedings and for presentation at the conference. Submissions will be accepted through EDAS. The submission URL: <http://edas.info/N14923>

All submissions should be written in English with a maximum paper length of six (6) printed pages (minimum 10-point font) including figures, without incurring additional page charges. One (1) additional page is allowed with a charge of USD100, if accepted. Papers exceeding 7 pages will not be accepted at EDAS, nor will they be reviewed at all.