



## Digital Communications and Networks

Call for Papers  
for Special Issue on

### “Big Data Security and Privacy”



#### Theme

As human beings are deep into the Information Age, we have been witnessing the rapid development of Big Data. Huge amounts of data from sensors, individual archives, social networks, Internet of Things, enterprise and Internet are collected, shared and analyzed. Security and Privacy is one of the most concerned issues in Big Data. Big Data definitely desires the security and privacy protection all through the collection, transmission and analysis procedures.

The features of Big Data such as Veracity, Volume, Variety and dynamicity bring new challenges to security and privacy protection. To protect the confidentiality, integrity and availability, traditional security measures such as cryptography, log/event analysis, intrusion detection/prevention and access control have taken a new dimension. To protect the privacy, new pattern of measures such as privacy-preserved data analysis need to be explored. There is a lot of work to be done in this emerging field.

The purpose of this special issue is to make the security and privacy communities realizing the challenges and tasks that we face in Big Data. We focus on exploring the security and privacy aspects of Big Data as supporting and indispensable elements of the emerging Big Data research.

The areas of interest include, but are not limited to, the following:

- Security technologies for collecting of Big Data
- Cryptography and Big Data
- Intrusion detection and transmission surveillance of Big Data
- Storage and system security for Big Data
- Big Data forensics
- Integrity protection and authentication of Big Data
- Access control of Big Data
- Privacy aware analysis and retrieval of Big Data
- Privacy aware data fusion of Big Data

#### Paper Submission

Elsevier DCN, fully open accessed by ScienceDirect, publishes rigorously peer-reviewed and high quality original articles and authoritative reviews. Only original and unpublished research papers will be considered in this special issue. Authors should follow the *Elsevier Digital Communications and Networks (DCN)* manuscript format described in the Information for Authors at *DCN journal website* (<http://www.journals.elsevier.com/digital-communications-and-networks/>).

Prospective authors should submit an electronic copy to the *Elsevier DCN* on-line manuscript system via <http://ees.elsevier.com/dcan/> according to the following timetable and choose the article type as “**SI: Big Data Security and Privacy**”.

#### Time Table

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