Call for Papers IEEEInternetofThingsJournal SpecialIssueon Security and Privacy Protection for Big Dataand IoT

With the proliferation of the Internet of Things (IoT), wireless sensor networks, mobile social networks, crowdsensing applications, etc., huge amounts of dataare being explosively generated every day. While big data and IoTbringwell-understood benefits to increase knowledge and improve the quality of our daily lives, theyalso face wide attacking surfaces, and thus raise critical concerns on notions of trust, security, and privacy. One of the fundamental questions is how to collect, store, and process the huge amounts of data in a secure and privacy-preserving manner, without compromising the potential of capitalization on big data and IoT. This problem, also known as security and privacy protection for big data and IoT, has received wide attentions in recent years, where noteworthy progress has been made. However, existing solutions are still far from sufficient to address all the security and privacy issues, given the newchallenges brought by the features of big data and IoT, such as volume, velocity, variety, and veracity. This special issue aims to provide a venue for interested researchers and practitioners to share their novel ideas and latest findingson research ofbig data and IoT, with focus on various aspects of trust, security, and privacy. The purpose is to advocate further efforts from research communitiesso as to further push forward the frontiers of big data security research, especially in the context of IoT.

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

- Security threat detection theories and techniques forbig Utility/service quality of systems and applications • data and IoT
- Threat and vulnerability analysis forbig data and IoT
- Privacy-preserving big data processing •
- Access control forbigdata and IoT
- Secure cyber-physical systems
- Anonymous communication

- Trust evaluation and management
- Secure data search and collection
- Secure/privacy-aware protocol design
- Parallel and distributed algorithms for security and privacy
- Security in cloud-based data processing

Submission

The special issue seeks submission of papers that present novel original results and findings on security and privacy protection for Big Data. Original submissions must not be currently under consideration for publication in other venues. Author guidelines and submission information can be found at http://iot.ieee.org/journal. All manuscripts should be submitted through Manuscript Central: http://mc.manuscriptcentral.com/iot.

Important Dates

Submission Deadline:February1st, 2018 FirstReview Due: April 15th, 2018Revision Due: May15th, 2018 Acceptance Notification:June15th, 2018Final Manuscript Due:July15th, 2018 Publication Date: 2018

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