

The 1st IEEE International Workshop on Big Data and IoT Security in Smart Computing

May 29, 2017 – Hong Kong, China

<http://www.yama.info.waseda.ac.jp/bits2017/>

CALL FOR PAPERS

Smart computing aims at improving quality of life and experience in modern society represents the next wave of computing. Key technologies for realizing smart computing include sensing, IoTs, mobile and pervasive computing, cyber-physical-social systems, big data, machine learning, data analytics, social and cognitive computing. Smart computing helps to solve a wide variety of societal challenges related to transportation, energy, healthcare, finance, disaster management, and so on.

At the core of all such systems and applications, critical issues are security privacy, reliability, resiliency, and robustness. Indeed, to boost the development of big data applications in smart computing, data security and data traceability as well as privacy are extremely important.

The 2017 IEEE International Workshop on Big Data and IoT Security in Smart Computing (IEEE BITS2017) focuses on theories and implementations on secure computing and secure data management in Cloud/IoT environment. BITS is a full-day workshop that is going to be organized in conjunction in conjunction with [The 3rd IEEE International Conference on Smart Computing \(SmartComp2017\)](#) on 29-31 May, 2017.

The topics to be addressed at BITS2017 will include, but not limited to, theoretical or practical aspects of big data and IoT security and privacy in smart computing and cyber-physical systems. Papers describing experience on real prototype implementations are also welcome. Submissions should be targeted to one of the following sub-topics:

- Anonymity for big data
- Cryptology for big data (Fully Homomorphic Encryption, Proof of Storage, Attribute-based Encryption, etc.)
- Computer architecture to speed-up secure computation
- Cloud security (Security and privacy policies)
- Data traceability for big data
- Distributed systems security
- Government funded projects in the area of data security and data traceability
- Legal study for handling big data
- Privacy risk assessment
- Secure computation for big data
- Secure information flow
- Security management
- Trust, security, privacy, and data provenance issues in Smart Computing
- Security and privacy issues in various smart computing applications such as transportation, energy, environmental, smart city, healthcare, and social media

SUBMISSION GUIDELINES

Paper submissions should be no longer than 6 pages and formatted according to the [IEEE conference template](#). Papers must be submitted electronically as PDF files through [EasyChair](#) by selecting **BITS2017** track.

All submitted papers will be subject to peer reviews by Technical Program Committee members and other experts in the field. All presented papers will be published in the SmartComp2017 conference proceedings and submitted to the *IEEE Xplore Digital Library*. All accepted papers will be *EI indexed*.

IEEE conference template

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

EasyChair (please select BITS2017 track)

<https://easychair.org/conferences/?conf=smartcomp2017>

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IMPORTANT DATES

Paper Submission Deadline: Sunday, April 9, 2017

Accepted Notification: Saturday, April 22, 2017

Camera Ready Deadline: Friday, April 28, 2017

Workshop Date: Monday, May 29, 2017