The 4th IEEE International Workshop
on Big Data and IoT Security in Smart Computing
(in conjunction with IEEE SMARTCOMP 2020)

~~June 22-25, 2020,~~ September 14-17, Bologna, Italy
http://www.yama.info.waseda.ac.jp/bits2020/
*IEEE Xplore and EI Indexed

Paper submission deadline: ~~22 March 2020~~ 15 May 2020
Notification of paper acceptance: ~~13 April 2020~~ 16 June 2020
Submission of camera-ready deadline: ~~13 April 2020~~ 30 June 2020

(Because of COVID-19 situation, IEEE BITS 2020's schedule has been changed.

The conference will still take place in Bologna, Italy. Proceedings will not be cancelled, and

publications will continue as planned.

We regret any inconvenience this may cause, and your understanding is appreciated.)

<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 include security, privacy, reliability, resiliency, robustness, and efficiency. Indeed, to boost the development of big data applications in smart computing, data security and data traceability as well as efficiency are extremely important.

After successful previously held three IEEE International Workshops on Big Data and IoT Security in Smart Computing (IEEE BITS2017/2018/2019), the 4th workshop, IEEE BITS2020, will be held focusing on theories and implementations on security, privacy, reliability, resiliency, and robustness secure computing and efficient data management in Cloud/IoT environment. BITS is a full-day workshop that is going to be organized in conjunction in conjunction with The 6th IEEE International Conference on Smart Computing (SmartComp2020) on 20-25 June, 2020.

The topics to be addressed at BITS2020 will include, but not limited to, theoretical or practical aspects of big data and IoT 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:

- Big data management and its efficiency in Smart Computing
- Cloud security and privacy policies
- Data traceability for big data
- Distributed systems security
- Encryption theory and its implementations for big data
- IoT services and applications in Smart Computing
- Legal study for big data
- Machine learning in Smart Computing
- Privacy risk assessment
- Secure computation for big data
- Security management
- Side-channel attacks in Smart Computing
- Trust, security, privacy, and data provenance issues in Smart Computing
- Privacy issues for big data
- Security and privacy issues in various smart computing applications such as transportation, energy, environmental, smart city, healthcare, and social media

\<SUBMISSION GUIDELINES\>

Paper submissions must be no longer than 6 pages and formatted according to the two-column IEEE proceedings template. IEEE provides corresponding formatting templates at IEEE conference template. Make sure to use the conference mode of the template, i.e., LaTeX users must use the conference option of the IEEEtran document class.

Papers must be submitted electronically as a single PDF file on US Letter size paper (not A4), with all fonts embedded (the PDF-A standard complies with that), through EDAS (https://edas.info/N27130). Prior to submission, ensure that any running headers/footers, page numbering, as well as blue underlining for URLs and email addresses has been removed.

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 IEEE SMARTCOMP 2020 conference proceedings and submitted to the IEEE Xplore Digital Library.

IEEE conference template

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

EDAS (please select BITS 2020)

https://edas.info/N27130

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