



The 6th IEEE International Workshop on Big Data and IoT Security in Smart Computing (in conjunction with IEEE SMARTCOMP 2022)

Aalto University, Espoo, Finland, **20-24 June 2022**

<http://www.yama.info.waseda.ac.jp/bits2022/>

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Paper submission deadline: 15 April 2021

Submission from <https://edas.info/N29350>

Notification of paper acceptance: 09 May 2021

Submission of camera-ready deadline: 16 June 2021

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Smart computing aims at improving the 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 BITS2017-2021), the 6th workshop, IEEE BITS2022, will be held focussing 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 with the 8th IEEE International Conference on Smart Computing (SmartComp2022) on 20-24 June 2022.

The topics to be addressed at BITS2022 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:

- Anonymity for big data

- 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 should be no longer than 6 pages and formatted according to the IEEE conference template. Papers must be submitted electronically as PDF files through EDA(<https://edas.info/N29350>). IEEE provides corresponding formatting templates at IEEE conference template (<https://www.ieee.org/conferences/publishing/templates.html>). 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 2022 conference proceedings and submitted to the IEEE Xplore Digital Library.

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