The 7th IEEE International Workshop on Big Data and IoT Security in Smart Computing

During SMARTCOMP 2023 (June 26-30, 2023, Nashville, Tennessee)

https://www.yama.info.waseda.ac.jp/en/bits2023

Call for Papers

Smart computing aims at improving the quality of life and experience in modern society and 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, and 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, data traceability as well as efficiency are extremely important.

After successful previously holding three IEEE International Workshops on Big Data and IoT Security in Smart Computing (IEEE BITS 2017/2018/2019/2020/2021/2022), the 7th workshop, IEEE BITS 2023, will be held focusing on theories and implementations of 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 9th IEEE International Conference on Smart Computing (SmartComp2023) in June 2023.

The topics to be addressed at BITS2023 will include but are 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 EDAS by selecting the **BITS2023** 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 SmartComp2023 conference proceedings and submitted to the **IEEE Xplore Digital Library**. All accepted papers will be **EI indexed**.

IEEE conference template
Submission from EDAS (please select BITS2023 track)

Organizing Committee

General Co-Chairs

- Hayato Yamana, Waseda University, Japan
- Sajal K. Das, Missouri Univ. of Science and Technology, USA

Technical Program Co-Chairs

- Shameek Bhattacharjee, Western Michigan University, USA
- Keiichi Yasumoto, Nara Institute of Science and Technology, Japan

Technical Program Committee

- TBA

Important Dates

Paper Submission Deadline: April 15, 2023

Accepted Notification: May 3, 2023

Camera Ready Deadline: May 10, 2023

Workshop Date: during SMARTCOMP 2023