Special Issue

Big Data Security and Privacy in Internet of Things

Message from the Guest Editors

With the rapid development of the Internet of Things (IoT), a tremendous number of data have been captured by pervasive sensors and transmitted to the central cloud platform for storage or further analytics. To satisfy users' expectation for improved quality of service (QoS) and/or quality of experience (QoE) requirements in various application scenarios, such as disaster monitoring, healthcare, smart cities and self-driving, numerous new frameworks and techniques have emerged to facilitate data acquisition, transmission, storage and analysis. Due to big data's typical characteristics, namely velocity, volume, variety and value, traditional security and privacy mechanisms are inadequate and unable to cope with the rapid explosion of data in this complex distributed computing environment. This Special Issue is dedicated to presenting advances in big data security and privacy issues and challenges in IoT. We will cover security mitigation and privacy protection frameworks, mechanisms and techniques involved in data acquisition, transmission, storage and analysis. Papers detailing the most significant challenges and trends in the abovementioned research are welcome.

Guest Editors

Dr. Xiaobo Zhou

Dr. Dong Yuan

Dr. Lei Yang

Deadline for manuscript submissions

closed (20 September 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/117326

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)