



The 4th International Conference on Big Data and Security

Xiamen, China • December 8-12, 2022



Workshop

Title: The Core Security in Big Data Industrialization

Abstract:

With the popularization of big data and artificial intelligence technology, massive multi-source heterogeneous data has increased sharply, which has brought new big data processing platforms. In addition, many other industrial applications stem from optimized knowledge discovery algorithms, such as Internet finance, e-commerce recommendation, public opinion analysis and prediction. Big data has become a management and decision-making tool that finance, industry and even government agencies rely on. However, related security threats continue to appear. In the process of big data industrialization, not only the traditional network information security, but also some inherent characteristics of data need to be considered. The core elements are data property ownership in transaction process, and conflicts between data usage and data leakage in processing.

Scope and Topics:

The proposed workshop on “The Core Security in Big Data Industrialization” aims to provide a platform to academia researchers as well as industry partners where they can exchange ideas and solutions on recent research and future directions for the advanced security

technologies in big data industrialization. This workshop solicits original research papers that addresses the following non-exhaustive list of topics:

Topics:

- Big data source security, such as data carrier security, Data standardization construction In the industrial chain.
- Data source identification, circulation query, value data management, etc. of terminal devices.
- Big data processing security, such as data preprocessing and quality improvement, data mining, evaluation and prediction, etc.,
- The supervision of the processing process of sensitive data such as health, medical care, insurance, confidential government affairs, etc.
- Big data circulation security, such as data access (data center, data warehouse), privacy protection, information desensitization in the industrial chain. Data dissemination security, Data traceability, etc.

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