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Privacy-Enhancing Technologies of Data for Sustainable and Secure Cooperation

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Message from the Guest Editors

Privacy-enhancing technologies could unlock new forms of collaboration and new norms in the responsible use of personal data. They enable organizations to share data without compromising the privacy of individuals, which is particularly important in sensitive industries such as healthcare, finance, and telecommunications.

Encryption techniques transform data into unreadable formats, ensuring that only authorized parties can access and decrypt the information. Anonymization methods remove personally identifiable information from datasets, making it challenging to identify specific individuals. Differential privacy techniques introduce noise or randomness to data analysis, preventing the identification of individual records.

In this Special Issue, research areas may include, but are not limited to, the following Secure Multi-Party Computation (MPC), anonymization methods, differential privacy, sustainable development of network, blockchain security, AI security, image security, voice security, sustainable data collection, processing, transmission and security, sustainable data cooperation, homomorphic encryption, data masking, etc.

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Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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