Special Issue

Big Data Analytics and Cloud Data Management

Message from the Guest Editor

Big Data are large, complex, and unprocessed datasets that cannot be processed by traditional applications but can offer knowledge and value if properly analyzed. The exponential growth of data production, the diversity of data sources, along with the improvement of the computational capabilities of hardware have given rise to multifarious challenges of data management related to all seven V's that are used to describe Big Data, i.e.: volume, variety, velocity, variability, veracity, visualization, value. Such challenges are related to capturing the raw data and storing the raw data and pertinent metadata; analyzing the data and producing new knowledge; sharing data and knowledge; as well as offering services on the data for visualization and exploration. For the storage and processing of Big Data, Cloud Computing seems to be the ideal paradigm, as it offers flexibility for the processing environment, renting resources from cloud providers and inherently distributed services. Hence, cloud data management techniques that are tailored for the processing of Big Data are highly sought after both in the research world and in the industry.

Guest Editor

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About the Journal

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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