



Big Cloud Innovation for Sustainable Wireless Management

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Big data and Cloud Computing paradigm poses new challenges to the communication technology as numerous heterogeneous objects will need to be connected and supports a wide variety of applications. With the recent growth of Big Cloud computing based applications the usage of big data services is increasing exponentially. Big Cloud is a promising technology that enables intelligent data collection and processing on various sustainable cloud applications. The next generations of big cloud emerging application domains are approaching existing principles and technologies to their limits. Opportunely, Cloud development community is responding to these challenges with new theories and technologies capable of handling increasing dynamism, context-awareness and large-scale adaptation and evolution of software, development and environments.

The wireless network communication for the big data and cloud system would enable maximum utilization of resources, causing an enhancement in the wireless communication system efficiency, by sharing the infrastructure among multiple applications or service provisioning. Cloud and bigdata access can leverage on the sustainable wireless network offerings and gain complete solution over the network to strengthen wireless communication services. Big cloud techniques help in establishing flexible framework over the infrastructure, thereby assisting in optimizing the operations in a more fruitful manner.

The digital revolution led by the big cloud wireless management is already reshaping several traditional business sectors. In this issue, we discuss how data science for sustainable cloud applications, cloud platform for privacy preserving data science, social data relationship ranking on data grid, data grid applications for cognitive communication, machine

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learning and big data in cloud development, next generation wireless communication and smart city initiative and cloud services/infrastructures can alleviate some real environmental problems. This issue focuses high quality research papers that address significant and new big cloud and related system development issues in the emerging sustainable application domains.

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