Special Issue

Cloud-Based Big Data Analytics in the Internet of Things and Smart Cities

Message from the Guest Editors

The IoT often generates a large amount of data (Big Data). However, Big Data analytics for IoT is quite complex due to a variety of issues, such as: i) the requirements of cross-thematic applications (e.g., energy, transport, water and urban), ii) multiple data sources providing unstructured, semi-structured or structured data, and iii) the trustworthiness of data. On the other hand, a review of the state of the art shows very promising insights about utilizing cloud computing resources for IoT-based Big Data analytics. It can provide solutions to facilitate storing, processing, and analyzing Big Data for information and knowledge generation with artificial intelligence (AI) techniques. This Special Issue aims to explore the potential of cloud computing (i.e., including all cloud-related technologies including edge/fog computing) and Big Data analytics in IoT and smart cities by going beyond the existing conventional approaches and architectures.

Guest Editors

Prof. Dr. Gyu Myoung Lee

Dr. Ehsan Ahvar

Dr. Shohreh Ahvar

Dr. S. H. Shah Newaz

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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