Special Issue

Advances in Distributed and Parallel Big Data Processing

Message from the Guest Editor

Big data refers to a large-scale and complex collection of data that span various fields such as business, scientific research, healthcare, and finance, among others. Through big data analysis, hidden patterns and trends can be discovered, providing insights into market trends, user behavior, disease forecasting, and more. To handle the scale and complexity of big data, parallel or distributed techniques are required. Traditional serial processing methods are inefficient for processing large datasets; thus, parallel and distributed computing have become crucial. Parallel computing involves dividing tasks into multiple sub-tasks and executing them simultaneously on multiple processing units. Distributed computing involves distributing data across multiple computing nodes, with each node responsible for processing a portion of the data, and communication and coordination occur over a network. These techniques leverage the computational and storage capabilities of multiple computers to enhance data processing speed and efficiency.

Guest Editor

Prof. Dr. Shi-Jinn Horng

Department of Computer Science and Information Engineering, National Taiwan University of Science and Technology, Taipei 10672, Taiwan

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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