Tentative Outline

Special Thematic Issue for Recent Patents on Computer Science
Big Data and IoT: Trends, Issues and Applications
Guest Editors: Dr. Balamurugan Balusamy, Dr. Patan Rizwan, Ms. Gayathri Rakesh

Aims & Scope:

The enormous growth of data has led to the urgent need to develop effective and efficient big data analytics techniques for industries and academia to discover information or knowledge from big data. The main components and ecosystem of big data covers a wide category of technologies, including the collection, storage, analytics and visualization of immense quantities of data. Big data analytics concerns modern statistical and machine learning techniques to analyze huge amounts of data. Internet of Things is a technological revolution which is totally a dynamic in nature. It has been converging multiple technologies creating new dimension of services that improves the quality of life of consumers and productivity of enterprises. From the consumer point of view, the IoT has the potential applications such as deliver solutions that dramatically improve health, education, energy and various aspects of daily living.

The purpose of this special issue is to identify the role of big data and business analytics on digital ecosystems, shed some light on how they are reshaping contemporary companies, and assess the value of big data analytics. This special issue invites high-quality manuscripts that focus on novel science and engineering solutions regarding the theoretical foundations in IoT, big data analytics and data-driven decision making in industrial applications.

Subtopics:

The subtopics to be covered within this issue are listed below:

- Big data based Architectures and techniques
- Data Analytics Frameworks
- Big data based data analytics models
- Big Data for Multi-Discipline Services
- Big data and IoT in e-healthcare
- Real-time Bigdata Analytics
- IoT based data analysis
- IoT Enabling Technologies
- IoT Cloud Computing
- IoT next generation networks
- Energy Efficiency in IoT applications
- Artificial Intelligence based IoT
- Security in big data analysis and IoT
- Challenges and Future directions of IoT and Big Data

Schedule:

- Manuscript submission deadline: -
- Peer Review Due: August 31, 2019
- Revision Due: September 20, 2019
- Announcement of acceptance by the Guest Editors: October 15, 2019
- Final manuscripts due: 30-November-2019
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