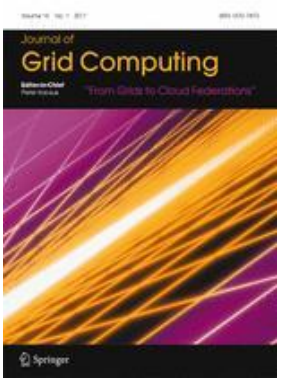

CALL FOR PAPERS

SI: Knowledge Discovery in Big Data (KDBD)

http://www.springer.com/computer/communication+networks/journal/10723

Guest Editors:

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Scope and Aims

Big Data is the ocean of data and information swirling around our life flowing from our PC's, laptops, mobile phones and other devices to highly sophisticated complex systems such as Enterprise Resource planning (ERP) systems. Basically, Big Data refers to large datasets, characterized with 5 V's (i.e., high volume, variety, velocity, variability, veracity and complexity). This nature of big data makes traditional database management systems (DBMSs) or data analysis tools vulnerable and limited in their ability to work/deal with them; giving a bigger than ever issue to explore in today's world. On one hand Data storage is quickly becoming cheaper (i.e., cost per unit) while on the other hand, computational processing devices are reducing their physical size, are becoming more powerful and is readily available. These factors combining with the availability of the huge repository of data is making the use of "Big Data" an increasingly practical, efficient and affordable way of data gathering, storage and processing for various organizations. With the right big data tools and application, every organization can store, manage, process and analyze huge amount of data to gain valuable insights that were previously unimaginable (using conventional technologies). Technological advancements pertaining to big data such as artificial intelligence, business analytics, data mining and machine learning can help in making right decisions at a right time. The WWW and social area network (SAN) have greatly contributed to the volume and heterogeneity of data (such as text, images, videos, audio and drawing) available. To discover big data for a greater insight poses greater challenges in terms of computing efficiency, business analytical problem solving and knowledge discovery.

This special issue tries to be a meeting point between researchers and analytics in Big Data. The issue focuses on 'big data' related problems giving the opportunity to the researchers to propose new methods of transformation of the technological framework into big data techniques and to produce new research results. This new focus will be marked by this special issue covering latest and emergent topics. Potential topics include, but are not limited to:

List of Topics:

- Knowledge development, discovery and decision making from big data
- Big data intelligence and scientific discovery from data in industry
- Big data processing and computing methods for social network
- Big data information security

- Improving forecasting models using big data analytics
- Data mining techniques for unstructured, spatial temporal and multimedia data.
- Data classification techniques for big data
- Data streams mining methods for big data
- Threat and vulnerability analysis in big data
- Information Forensics in big data
- Machine learning from big data
- Big data analytics and associated issues

Important Dates:

- Submission deadline: 30th May 2017
- Author notification: 30th August 2018
- Revised papers 15th September 2018
- Final notification: 30th September 2018
- Publication: As per the policy of journal

Submission guidelines:

This is an open call inviting papers from anybody working in Big Data technologies. All papers will undergo the same rigorous revision process adopted by Journal of Grid Computing. Please submit a full-length paper through the Journal of Grid Computing online submission system (https://www.editorialmanager.com/grid/default.aspx) and indicate that it is for this special issue. Papers should be formatted by following Journal of Grid Computing manuscript formatting guidelines. Please refer to the Journal's website for detailed instructions on paper submission. For further inquiries, please contact the corresponding Guest Editor Dr. Sajid Anwar (see contact details below).

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