Call for Papers

Special Session: Big Data Management, Curation and Analytics

Outline:

Big data is a recent addition to the field of data science. It is generated in many domains including healthcare, finance, media, manufacturing, energy and transport. Complex algorithms and technology are required for extracting value from the huge amounts of data having complex formats. Moreover, big data requires proper data management and curation protocols which are helpful in analysis of the data. Big data management involves the organization, administration and governance of large volumes of structured and unstructured data. One of the basic principles for data analytics is that the quality of the analysis is dependent on the quality of the information being analyzed. Proper data curation procedures provide the technological as well as methodological data management support for timely addressing of data quality issues for improving the usability of data. Big data analytics is the use of advanced analytic techniques against big data. The analytics techniques are typically domain specific which may require the knowledge of many fields including information retrieval, machine learning, data mining and statistics.

Topics:

Topics include but are not limited to:

- Big Data Models and Algorithms
- Cloud Computing Techniques for Big Data
- Big Data System Security and Integrity
- Big Data Service Performance Evaluation
- Algorithms and Systems for Big Data Search
- Big Data for Enterprise, Government, and Society
- Big Data Application Benchmarks
- Techniques and Algorithms for Real-Time Big Data Analytics
- Applications and Evaluation of Real-Time Big Data Systems
- Big Data for Improving Resilient Infrastructures
- Big Data Applications such as Healthcare and Transportation

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Important Dates:
Full Paper Submission deadline: 1 June 2017
Notification deadline: 31 July 2017
Camera-ready deadline: 31 August 2017

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