

**CFP: 2014 International Workshop on Big Data Analytics,
Management and Storage (BDAMS-2014)**

To be held in conjunction with

The Third ASE International Conference on Big Data Science and Computing

<http://www.scienceengineering.org/ase/conference/2014/bigdata/beijing/website/>

**August 4 - 7, 2014
Beijing, China**

Goals

Big data has shown great capability in yielding extremely useful information and extraordinary potential in revolutionizing scientific discoveries and traditional commercial models. Numerous corporations started to utilize big data to understand their customers' behavior at a fine-grained level, rethink their business process workflow, and increase their productivity and competitiveness. Scientists are using big data to make new discoveries that are not possible before. As the volume, velocity, variety, and veracity of big data keep increasing, we are facing significant challenges with respect to innovative big data management, efficient big data analytics and low-cost big data storage solutions. This workshop aims to bring researchers and industry pioneers together to share their vision, discuss the ideas and demonstrate use cases on big data analytics, management and storage.

Topics of Interests

The topics of interest of this workshop include but are not limited to:

- Novel Computational and Programming Models for Big Data
- High Performance and Parallel Processing for Big Data
- Big Data processing with Accelerators/Coprocessors (GPU, APU, MIC)
- Effective Management of Commercial, Mobile and Social Big Data
- Effective Management of Big Data in Scientific Computing
- Workflow Optimization for Automate Big Data Analytics
- Database Management Challenges: SQL and NoSQL
- New Algorithms and Architectures for Big Data Analytics
- Scalable and Low-Cost Algorithms and Systems for Big Data Storage
- Software and Hardware Architectures for Real-Time Big Data Analytics
- Energy-efficiency of Big Data Analytics and Storage
- Use Case of Big Data for Commercial Applications
- Use Case of Big Data for Scientific Applications
- Case Studies of Big Data Project Deployments

- Industry Standards and Open Platforms for Big Data

Paper Format, Submission and Selection

All papers (in PDF format) should be submitted electronically using the workshop submission system (soon to be made available at <http://bigdata2014beijing.scienceengineering.org/>). The submission is limited to 6 pages and should follow the ASE Big Data Science 2014 - Beijing format requirements ([Paper Styles](#)).

All papers submitted to this workshop will be peer-reviewed and accepted based on their scientific merit and relevance to the workshop topics. Each submission should be regarded as an undertaking that, should the paper be accepted, at least one of the authors must attend the workshop to present the work in order for the paper to be included in the ASE Digital Library.

Organizing Committees

Program co-chairs:

Rong Ge, Marquette University
Ziliang Zong, Texas State University

Program Committee:

- Woongki Baek, Ulsan National Institute of Science and Technology
- Michela Becchi, University of Missouri
- Trishul M. Chilimbi, Microsoft Research
- Song Fu, University of North Texas
- Rong Ge, Marquette University
- Rini Kaushik, IBM research
- Jian Li, IBM Research
- Yu David Liu, SUNY Binghamton
- Dong Li, Oakridge National Lab
- Shaolei Ren, Florida International University
- Shuaiwen Song, Pacific Northwest National Lab
- Ziliang Zong, Texas State University

Important dates:

Paper Submission Deadline:	May 15, 2014
Notification of acceptance:	June 1, 2014
Camera-ready:	June 15, 2014
Workshop date:	Aug. 4, 2014