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## Special Session Call for Papers SMC2014 Special Session on **Collaborative Processing of Big Data**

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### Introduction/Call for Papers

Recently, Big Data has become a new ubiquitous term and is transforming science, engineering, medicine, healthcare, finance, business, and ultimately society itself. Some new sources, including social media, machines, log files, video, text, image, RFID, and GPS, have strained the capabilities of traditional relational database management systems and spawned a host of new data processing technologies, approaches, and platforms. This special session provides a forum for researchers and practitioners involved in different but related domains to discuss key challenges and opportunities and present recent research outcomes on collaborative processing of Big Data. The focus will be on distributed collaborative data processing technologies, solutions, systems, and applications.

### Indicative Topics/Areas

- Big Data Acquisition, Integration, Cleaning, and Best Practices
- Big Data Analytics
- Big Data as a Service
- Big Data Security & Privacy
- Big Data Systems and Applications
- Collaborative Processing Models for Big Data
- Collaborative Visualization Analytics for Big Data
- Computational Models for Big Data
- Crowdsourcing
- Distributed Indexing and Search of Big Data
- Semantic-based Data Mining and Data Pre-processing
- Social Web Search and Mining

### Important Dates

April 7, 2014: Deadline for submission of full-length papers to special sessions.

May 25, 2014: Acceptance/Rejection Notification.

July 9, 2014: Final camera-ready papers due in electronic form.

### Submission

Manuscripts for a Special Session should **NOT** be submitted in duplication to any other regular or special sessions and should be submitted to SMC 2014 main conference online submission system on SMC 2014 conference website.

All submitted papers of Special Sessions have to undergo the same review process (three completed reviews per paper). The technical reviewers for each Special Session paper will be members of the SMC 2014 Program Committee and qualified peer-reviewers to be nominated by the Special Session organizers.

Organized by IEEE SMC TC on Computer Supported Cooperative Work in Design (CSCWD).